



Southern Marshall County seeks inclusion in Flint Hills protection

By Donna Sullivan, Editor

Long recognized as one of the hidden treasures of Kansas, the Flint Hills region is home to about two-thirds of the last remaining tallgrass prairie ecosystem. Less than 4% of the tallgrass prairie remains, a tiny remnant of what once covered 170 million acres of North America, from Canada to Texas and as far east as Ohio. As more and more of the area was converted to farmland, protecting the prairie became a priority. The layers of chert (flint) in the limestone gave the Flint Hills their name, and also proved the saving grace of the prairie, because the ground was too rocky to be plowed. Cattle ranching was recognized as the best use of the land, and continues to be its main agriculture use today.

In 1996 Congress authorized the Tallgrass Prairie Preserve with a unique model of public-private partnership, mandating the majority of the preserve be under private ownership. In 2004, when the preserve's private partner faced financial difficulty, the Nature Conservancy purchased the preserve to keep parts of the land from being sold off to pay liabilities and debt.

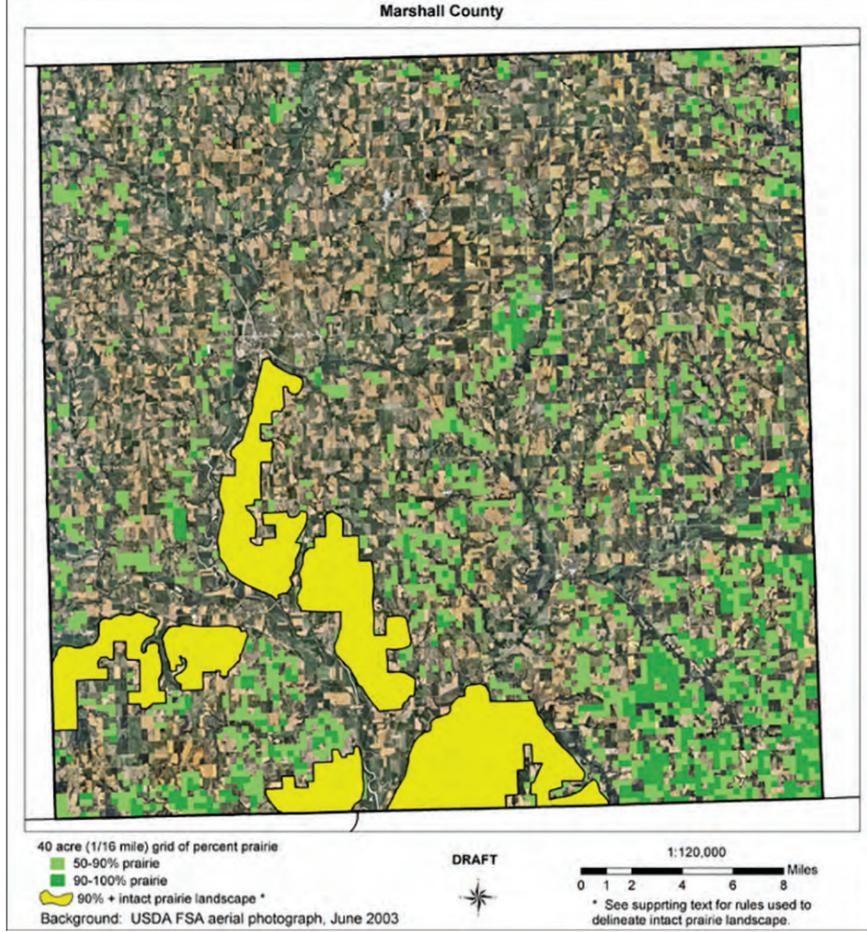
As wind energy came onto the scene and gained momentum, there was concern that proposed projects would threaten the tallgrass prairie ecosystem. In 2004, then-governor Kathleen Sebelius issued a temporary moratorium on wind energy development within the Flint Hills area to give counties in the area time to develop guidelines and evaluate the role of wind energy in the region.

Gov. Sam Brownback expanded the protected area to its current size in 2011 and named it the Tallgrass Heartland, and Gov. Laura Kelly reaffirmed it this past July. "The Tallgrass Heartland moratorium helps conserve Kansas' unique prairie ecosystem, vital to native wildlife, tourism, education and local ranching economies," Kelly said in a statement. "There has been bipartisan consensus across administrations that these lands should be protected, and I'm pleased to follow in that tradition today."

The area includes portions of twelve Kansas counties, encompassing two-thirds of the last remaining tallgrass prairie



Twin Mounds is a unique geological feature in Marshall County that was formed by glaciers.



This map was prepared for the Kansas Energy Council by the staff of the Kansas Biological Survey, with cooperation from staff from the Data Access and Support Center and others. It uses the most recent aerial and satellite data available to illustrate the distribution of tallgrass prairie in southern Marshall County.

in the world. The counties included in the designation are Butler, Chase, Chautauqua, Cowley, Elk, Gray, Greenwood, Lyon, Morris, Pottawatomie, Riley and Wabaunsee. Missing from the list, although containing a large portion of intact tallgrass prairie that ranges from 40 acres to entire sections, is Marshall County. And some of its residents would like to see that changed. While southern Marshall County is recognized by Kansas and U.S. Wildlife and Parks and University of Kansas Geological Center as part of the tallgrass Flint Hills, they believe inclusion in the Governor's list of counties in the moratorium is important to protect their portion of the ecosystem, which has the added feature of being the only place in the world where the tallgrass prairie and the Glaciated Region overlap. The Glaciated Region, named for the theory that two glaciers once covered the landscape and shaped the terrain, sits on the northeastern corner of the state, bordered by the Kansas River on the south and the Big Blue on the west. While Marshall County is widely recognized as the northern border of the thirteen

core Flint Hills counties, it was the only one left off the Governor's list.

"This northern boundary of the Flint Hills is unique to Kansas and needs to become a claim to fame," said Marshall County resident Gayla Randel. And while the recognition could be beneficial from a travel and tourism standpoint, she believes the protection it offers is even more important, pointing out the nesting eagles, prairie chickens, grasses and wildflowers that are native to the area. Preservation has other benefits as well, including the saving of uninterrupted rural views and places of historical significance including the Oregon Trail that holds documented creek crossings, ruts and Alcove Springs, as well as Twin Mounds, a one-of-a-kind geological feature formed by glaciers.

Along with the protection of the tallgrass prairie provided by the moratorium, Randel says another benefit is the potential for climate change mitigation, as the prairie has the ability to sequester carbon dioxide. One acre of pristine prairie can store about five tons of carbon, according to

considerably less effort than planting and establishing new stands.

In 2015 a small, 36-turbine wind farm was built in northern Marshall County, but it is outside the area south of Navajo Road that is being requested for protection.

Several Marshall County residents put together a PowerPoint presentation to illustrate their case, and presented it to Gov. Kelly's staff, who acknowledged that it was helpful and showed the justification for the designation. The next step is to work with Kansas Department of Wildlife and Parks and others who would be involved in the decision-making process. Brad Loveless, Secretary of the Kansas Department of Wildlife, Parks and Tourism came and met with the residents and looked at the area, gathering information to take back to the Governor's office.

According to Loveless, Marshall County's omission from the list was not just an accidental oversight. "When I checked back on the early designations, I talked to the people involved in it, and they did look at southern Marshall County," he said. "It's clear that southern Marshall County has tallgrass characteristics. Different sources of information vary on where they would draw that northern line. It's a judgement call."

He went on to describe the area as more of an intergrade, where you are transitioning from tallgrass prairie to hilltops where you can farm. "I was up there a couple of weeks ago because I wanted to see it for myself," he

continued. "In the heart of the Flint Hills, you can't farm hilltops. Every shovelful of dirt is full of rocks. It's very different up there. You're in that portion where it's a mixture, where you will have some big patches of native grass, and next to it a corn field or other row crop. In the early days, that's what caused them to say, 'This isn't 100% Flint Hills, so we'll push that line a little lower than when we make that designation.'"

Loveless indicated that at this time, there are no plans to add Marshall County to the designation. "Based on the biology and old logic, as well as for consistency, we believe the old designation is the one to stay with," he said. "The other thing we took into account was consistency. It's really important when you set policy that you don't change where the goal posts are. If we make this change, it upsets the apple cart in other ways. We don't want to cross people up that are making plans."

An example could be the future construction of wind farms. NextEra Energy, a Florida based company, is currently exploring plans for a wind energy farm in southern Marshall County. The company had a public meeting where, according to Loveless, they listened to the concerns of residents. "They heard loud and clear that people are worried about impacts on the prairie," Loveless stated. "They are going to put turbines on farm ground and out of the prairie."

He said they are also aware of the historical sites and are taking those into account, as well. "The one thing that is still a rub is that some of those landowners don't want to be looking at wind turbines," he admitted, and added that the wind farm was not a part of the discussion as his office looked at whether or not to add Marshall County to the designated counties. "We are still going on the data, he said. Loveless said he talked to everyone involved in an effort to facilitate communication. "What I was interested in was improving communication and help both sides get what they need," he said.

For Randel and some of her neighbors, it's not over. "The future's not written yet," she emphasized. "And there has been a lot of interest expressed in saving what we have and even a potential expansion of the Tallgrass Prairie."



While southern Marshall County does have many acres in production agriculture, it also contains both large and small parcels of tallgrass prairie that some residents would like to see protected.

Courtesy photos



The Start of Fall Harvest

By Greg Doering, Kansas Farm Bureau
September is the bridge between summer and fall. The sun's angle is still high enough to provide plenty of warmth, but its light fades faster in the evening. Cottonwoods are already dropping golden leaves. Football seasons are under way even if tailgating is on hiatus for the year. And across Kansas, September is when fall harvest starts in earnest. For those of us not working in the fields, the most visible sign of harvest will be combines,

tractors, grain carts and other slow-moving implements on the road. Remember to be on the lookout for these vehicles. Take your time and pass only when it's safe. Like you, farmers are anxious to be off the road and at their destination. But for the next few weeks, the roads will be busy because unlike the mad dash to bring in wheat in early summer, fall harvest is a marathon. Harvest started for Haskell County farmer Paige Clawson in August when corn silage was

chopped. Clawson says they wrapped up their dryland corn harvest about a week before cold, wet weather brought everything to a halt. "We're hoping to get back in the field (this) week," she says of the wait for irrigated corn to ripen. "The past few years we've had pretty phenomenal dryland corn, and I think this dryland corn would be an average to below average western Kansas dryland corn crop. Nothing to write home about." Clawson says she hasn't seen the numbers on the final yields. "It was lower than I'd like to see but isn't that always the answer." In south central Kansas, Stafford County farmer Justin Vosburgh took advantage of the rain to prep his machinery to be

in the fields in a week or so. "I'm actually excited for this fall harvest," Vosburgh says. "I think it's one of the best dryland crops we will cut in Stafford, Edwards, Pawnee and Pratt counties in a long time. Irrigated looks good, too." Weather permitting, Vosburgh says he hopes to start harvest by mid-September and will spend the next six to eight weeks hauling in corn, milo and soybeans and planting next year's wheat crop. "Mother Nature plays a huge role," he says. "Basically, from the 15th of September to the 31st of October, we'll either be in the harvest field or we'll be drilling wheat. It's probably the busiest time of the year for us. A lot will happen."

While the recent rains didn't come in time to boost Clawson's dryland corn, it did perk up the milo. "You can tell where you rotated milo and had summer fallow and where you didn't," she says. "I think a couple recent rains have saved the crop that was going backward faster than we'd like to see." Both Vosburgh and Clawson say they haven't really felt the effects of the pandemic on their farms. "Probably my biggest fear right now is, will COVID-19 cause us a problem," Vosburgh says. "Will it cause us a problem at an elevator? Will they have employees get sick? Will we get shorthanded? Those are issues you think about." Clawson says the only

difference she's noticed is curbside pickup for parts and a few items on back-order. "We're just trying to stay on the farm and not go to town as often as we normally would," she says. The pandemic is just another in a long line of uncertainties in farming. Yet farmers and ranchers somehow always find a silver lining. With harvest delayed by rain, Clawson was already looking toward the future. "It will be nice to put wheat into moisture after not putting it into moisture last year," she says. "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.

Western Hemisphere agriculture leaders issue joint statement

Following the virtual G-20 Agriculture and Water Ministers Meeting hosted by the Kingdom of Saudi Arabia on Sept. 12, top agricultural officials from five Western Hemisphere countries – Argentina, Brazil, Canada, Mexico and the United States – issued the following statement underscoring the importance of maintaining agricultural trade flows during the COVID-19 pandemic and emphasizing their commitment to remaining reliable suppliers of food and agricultural products to the world: "We, the Agriculture Ministers of Argentina, Brazil, Canada, Mexico and the United States, express our deepest condolences for the tragic loss of life being endured around the world as a result of the COVID-19 pandemic and convey our strong appreciation for all workers in the health, agricultural and other front-line sectors, who selflessly dedicate their efforts to the benefit of others."

"As we face the effects of this crisis, reliable and resilient agricultural supply chains remain essential to guarantee the availability of safe, nutritious food around the world. Our nations have taken the measures necessary to keep agricultural supply chains operational, ensuring the continued production and distribution of safe, quality products, while safeguarding the health and welfare of agricultural sector workers. We are open for business and you can count on us for safe and high-quality food. "As Western Hemisphere agricultural leaders, whose countries represent 35 percent of global exports in agricultural products, we reiterate the importance of maintaining agricultural trade flows, while avoiding unjustified trade-restrictive measures, in order to keep markets open and ensure global food security, especially to those most vulnerable. We underscore the guidance published by the United Nations Food and Agricultural

Organization and the World Health Organization on April 7, 2020, which states, 'There is no evidence to date of viruses that cause respiratory illnesses being transmitted via food or food packaging,' and we call on trading partners to allow trade to flow without undue delay or unjustified requirements. "We will continue to work with our partners and with relevant regional and international organizations to exchange information, enhance coordination, and strengthen our global response to the crisis. "Looking at the aftermath of this pandemic, we recognize that agriculture will be an important engine for economic recovery. Innovation and technological development will be vital to guarantee that food systems develop sustainably to feed the world's growing population. How we emerge from this crisis will be our greatest legacy for a future of global food security and nutrition."

NCBA joins EPA to fight against feedyard emissions reporting

Ag groups, including NCBA, filed a motion to side with the EPA against a lawsuit that would force producers to submit onerous emissions reports to state and local regula-

tors under the Emergency Planning and Community Right-to-Know Act (EPCRA). The suit was filed by Earthjustice in September 2018 and includes the Humane Society of the United States, Sierra Club and other activist groups. In 2008, EPA exempted farms, including feedyards, from unnecessarily reporting releases of sub-

stances emitted to the air from animal waste under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), but still required reports under EPCRA. In 2017, the EPA invalidated that rule, and Congress passed the FARM Act, making it clear that farms and feedyards did not have to report emissions under CERCLA. EPA followed issuing a new rule that exempted farms and feedyards from reporting under EPCRA. TCFA supported EPA for backing off EPCRA reporting stating in 2018 comments, "Eliminating them gives producers the certainty they need to continue producing beef, while allowing us to work alongside emergency responders to provide them with the pertinent and timely information they need to make decisions to keep people and communities safe." Several emergency responders near agriculture operations also weighed in throughout the process stating that the air emissions information submitted under EPCRA was unnecessary and created an additional administrative burden.



Yesterday we hauled the fall cows home to calve. All we had to do was to load and haul them home. The facilities were good, and the cows are ultra-calm and tame. It was going to be an easy day. The temperatures were in the seventies, the sky was blue, and the wind was calm. In Kansas, we do not have many days like that, and life was good. What could go wrong? I have always heard that nothing is foolproof to a sufficiently talented fool, and this was living proof. The cows came in good and were caught easily. This may have been because I was not in charge of catching them. They were in the pen and ready to be hauled when I arrived. Again, how much easier does it get? We backed up to the loading spot and easily loaded the first load. It was going to take about an hour round trip and I needed to make at least four trips to get them home and I had about six hours before I had to leave for a meeting that evening. No problem. Isaac was there to help me along with his cow dog in training, Roo. Roo is a great dog, she is just a little over two years old and he has gotten her started very good but, she is still a pup. The only way to make a good cow dog is to get them experience and to take them everywhere with you and Isaac has done a great job with her. She just needs a little seasoning. Well, she got some this trip. We made the first trip without any problem and started back. I got backed up to the loading area for the second load, no problem. We easily sorted off eight cows to go on the trailer. They are big cows and very pregnant, so we decided not to crowd them; after all, we had plenty of time. Just as they got up to the trailer the lead cow decided she did not like something about her ride and started to turn around. This started a chain reaction and soon they were pushing on the panels on either side of the trailer. That was the moment when Ike said, "You forgot to chain the gate to the trailer."

waiting in the truck for her chance and now was the time. She bailed out the truck window like Superman and right into the middle of the cows. In reflection, that may not have been the best time to unload the dog. I guess dog handlers, like puppies, learn from experience and most of that bad. Roo landed in the middle of the cows, propelling the front half out the gate at a higher rate of speed and confusing the back half. Isaac then told her to get around them, which she promptly did as commanded. She got around the half still in the pen and pushed them out into the pasture with the front group. There was a narrowing of the path into the pasture and that gave us an opportunity to stop them, except that the cow dog-in-training was still doing her job and herded them down the path in spite of her handler telling her to abort her mission. This was one of those times in life where you realize you have a choice. I could have gotten mad about the dog and scattering the cows, but it was my fault that they were out there in the first place and the dog was not going to learn sitting in the pickup cab. I was the one who had not chained the gate shut. As much as I wanted to growl at my help, I could not. Isaac and I regrouped and decided to load another eight cows. This time, with Isaac's reminding, I did chain the gate and soon we had the trailer loaded. Just as we shut the door, we noticed that the eight escapees were standing near the gate. Isaac and Roo circled around them and I got around the other side. They gave us a little resistance, just so we knew they could get away if they wanted too. Quickly Roo, this time positioned behind all the cows, pushed them through the gate and we had them caught, again. In the end, we lost about fifteen minutes and we got the cows hauled. Roo and her handler got some valuable experience and we were no worse for the wear. The biggest lesson for all three of us was the reminder that when things go bad working cows, just take a deep breath, and reset the situation. That and always make sure you have tame, gentle cattle. On second thought, my second observation is the most important. Tame cows are the answer.



"Yep, this is quite a productive ranch...it produces more headaches than any ranch for a thousand miles!"

"How wonderful it is that nobody need wait a single moment before starting to improve the world." - Anne Frank



"YEAH, THESE CALVES HAVE BEEN ON SUPPLEMENT ALL SUMMER... DIRT, ROCKS, SAGEBRUSH AND CACTUS." Big Dry Syndicate

Since 1954
GRASS & GRAIN
Published by AG PRESS

785-539-7558
Fax 785-539-2679
Publisher - Tom Carlin
Managing Editor - Donna Sullivan
gandgeditor@agpress.com

— Advertising Staff —
Kurtis Geisler, Shelby Mall
kurtis@agpress.com, shelby@agpress.com

GRASS & GRAIN (USPS 937-880)
The newsweekly for Kansas and southern Nebraska, published each Tuesday at 1531 Yuma (Box 1009), Manhattan, KS by Ag Press, Inc. Periodicals postage paid at Manhattan, Kansas and additional offices. Postmaster send address changes to: Ag Press, Box 1009, Manhattan, KS 66505.

Subscription — \$76 for 2 years. \$41 for 1 year, plus applicable sales tax. Outside Kansas, \$51 for 1 year, \$95 for 2 years.

MEMBER OF Associated Press
www.grassandgrain.com

K-State prof says facility provides boost for students

By Pat Melgares

Bob Weaber gets a feeling of satisfaction as he enters the Purebred Beef Unit on the Kansas State University campus.

The building, just three years old, serves as something of a spark for Weaber, a professor in the Department of Animal Sciences and Industry, and the faculty coordinator at the unit.

Here, he has the opportunity to carry out a vigorous research program, while also helping to mold students who are training for careers in the beef cattle industry.

"My research focuses primarily on beef cattle genetics as well as my special interest in new trait development, such as feet and leg structure in cows, male fertility, feed intake and feed efficiency," Weaber said.

He and his animal science colleagues work with others in the College of Veterinary Medicine on studies related to vaccines and immune responses in cattle. "What we are trying to do is build new selection tools and management methods for improving beef cattle production in the United States," Weaber said.



Bob Weaber, a professor of animal sciences, says K-State's Purebred Beef Unit was built to accommodate contemporary livestock handling spaces.

ber said.

In 2017, K-State opened the Purebred Beef Unit on the north side of campus, including a calving and maternity barn, multipurpose and office spaces and an apartment for student workers. Animal holding pens, pasture, processing and feed storage are adjacent to the building.

"Our old facility was built in the late 1950s," Weaber said. "At the time, it was a state-of-the-art facility, but was built under a seedstock production

model that is quite different from what we experience today."

The new facility features contemporary livestock handling spaces that are designed around a concept called a 'Bud Box,' which "gives us the ability to handle animals in a way that is much safer for the animals and the student workers," he said.

"Plus, the new facility is much more labor-efficient. One or two people can do most of the operations here on a daily

basis."

For students, having a modern facility gives them a head start on a career in the cattle business.

"All of the labor here is provided by undergraduate students," Weaber said. "The experience they get is directly applicable when they go out into the industry. That aspect really has made our facility representative of what students will experience when they get out into the industry."

Weaber said K-State

faculty working with the Purebred Beef Unit are studying such sustainability issues as methane and carbon dioxide emissions from beef cattle grazing on a range. They're also looking at vaccination strategies for newborn calves. "Our unit is used for much more than teaching," he said. "It's got a broad industry impact."

Each March, students in a seedstock marketing class help conduct the university's Legacy Sale, with the proceeds going to support the operations of the Purebred Beef Unit. Animals from the unit are used for a wide range of

teaching activities, including animal reproduction labs and evaluation courses.

"One of the most rewarding things for me is working not only with current students, but also with many of our alumni," Weaber said. "We think about the K-State family as largely associated with athletics, but that same philosophy and feeling exists here in our animal science department. It's great to have those folks come back, support the sale and donate to the unit to help make our resources better for students."

PRECISION AERIAL APPLICATION: Pasture \ Crop \ Government

VersaAir
SERVICES, LLC

(877) 79-VERSA
(316) 882-1540
VersaAir.com

SUBSCRIBE TO GRASS & GRAIN 785-539-7558
or online at: grassandgrain.com

Ag Risk SOLUTIONS
Experience. Knowledge. Integrity.
YOUR Crop Insurance Solution.

www.ag-risk-solutions.com
913-367-4711

@AgRiskSolutions
/AgRiskSolutions

Ag Risk Solutions is an equal opportunity provider.

 MIKE CHARTIER Hiawatha, KS 913-370-0999	 MARSHALL COFFELT Ravenwood, MO 660-853-2415	 TONY ELIZONDO Wamego, KS 785-410-7563
 JENNIFER FORANT Atchison, KS 785-217-3815	 MIKE SCHERER Atchison, KS 913-426-2640	 KURT SCHWARZ LaCygne, KS 660-424-3422

TALLGRASS
COMMODITIES

"Big Enough to Deliver. Small Enough to Care."

Tallgrass Commodities
420 Lincoln St.
Wamego, KS 66547

785-494-8484
Call Today For All Your Feed Needs!

wRe
WERTZBERGER RANCH EQUIPMENT LLC
28998 BURR OAK RD ALMA, KS 66401 785-765-3588

HYDRABED
STOCKING DEALER

LIFETIME WARRANTY ON BALE LOADING ARMS
5 YEAR STRUCTURAL
2 YEAR SYSTEM WARRANTY

wertzbergerranchequipmentllc.com

OUR OTHER BRANDS: Winkler, Cobett, ARROWQUIP, Vermeer, Chevron, INTERSTATE BATTERIES

KANSAS AG REPORT

Ken Rahjes, Host

For TV Show times check your local listings or watch at kansasagreport.net

Never miss an issue of GRASS & GRAIN

Subscribe or renew today!

New Subscription _____ Renewal _____

Name: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____
Email: _____

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

In-State Print Edition Rates:

1 Year; \$41 + additional sales tax _____
2 Years; \$76 + additional sales tax _____
3 Years; \$105 + additional sales tax _____

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

Out-Of-State Print Edition Rates:

1 Year; \$51 _____ 2 Years; \$95 _____ 3 Years; \$132 _____
Call for info about our 1st Class or Online Only rates

Check/Cash Enclosed: _____
or
Credit/Debit Card:
Visa, Master Card, Discover, American Express

Expiration Date: ____/____/____
V-Code (3 digits on back of card): _____
Signature: _____

Mail to: P.O. Box 1009, Manhattan, KS 66505
OR Stop by the office: 1531 Yuma St., Manhattan, KS 66502
1-877-537-3816

GRASS & GRAIN Our Daily Bread

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

Ladonna Grindol, Berryton, Wins Weekly Grass & Grain Recipe Contest

Winner Ladonna Grindol, Berryton: "This comes out tender and makes gravy."
CROCK-POT PORK CHOPS

4-6 pork chops
 1 package dry Ranch dressing mix
 1 can cream chicken soup
 Place pork chops in crock-pot. Pour on soup. Sprinkle Ranch dressing on top. Cook on high 4 hours or 6 hours on low.

Kellee George, Shawnee:
RAISIN PIE
 1 1/2 cups raisins
 1 1/2 cups boiling water
 Grated rind & juice of 1 lemon
 2 tablespoons flour
 1/2 cup sugar
 1 tablespoon butter
 Crust for double crust pie
 Cook raisins in water until tender. Mix flour, sugar and butter into raisins then add rind and juice. Continue cooking until thick. Cool slightly. Pour into 9-inch pie shell. Top with crust. Make a few slits on top crust. Bake at 400 degrees for 30-35 minutes.

Pinch off 24 pieces of dough and shape into round rolls. Place about 1 inch apart on 2 greased baking sheets (line pans with grease or parchment paper). With a paper towel dab tops of rolls with a little shortening or butter. Cover with a clean towel and let rolls rise in a warm place until doubled in size, about 1 hour. Preheat oven to 375 degrees. Bake rolls for 16 to 18 minutes or until tops are golden. Do not use lower 2 rack positions as bottoms might burn.

Jackie Doud, Topeka:
PARMESAN ROASTED BABY POTATOES
 2 tablespoons olive oil
 1/2 cup grated Parmesan cheese
 1/2 teaspoon salt
 1/2 teaspoon pepper
 1/2 teaspoon garlic pepper
 1/2 teaspoon Italian seasoning
 2 pounds baby potatoes
 Pinch of salt for topping
 Little olive oil to drizzle on top
 Preheat oven to 400 degrees. Stir cheese and spices together. Pour oil into a 9-by-13-inch glass baking dish, making sure it coats all of the bottom. Sprinkle cheese mixture evenly over oil. Cut potatoes in half and place cut side down in pan. Press down into cheese mixture. Drizzle a little oil on top lightly. Sprinkle a little salt on the top. Bake 30-40 minutes.

Darlene Thomas, Delphos:
HOMEMADE DINNER ROLLS
 2 packages dry yeast (0.25 ounces each)
 1 3/4 cups warm water
 1/3 cup sugar
 Scant 1/2 cup shortening
 1 egg
 6 cups flour or more as needed, divided
 2 teaspoons salt
 Dissolve yeast in warm water. Add sugar and dissolve thoroughly. Add shortening, egg and 3 cups flour; mix with mixer for 2 minutes on medium speed. Add 1 cup of flour and mix again. Dump mixture out onto a floured surface. Add 2 cups of flour and knead until smooth. Add additional flour if needed to form a stiff dough. Add salt. Let dough rise until doubled in size. Punch dough down.

Loretta Shepard, Helena, Oklahoma: "One of the best roasts I fix!"
GREAT ROAST
 Large beef roast
 1 package brown gravy mix
 1 package Italian dressing mix
 1 package Ranch dressing mix
 1/2 cup water
 Put roast in crock-pot. Sprinkle all packages on top of roast. Add 1/2 cup water. Cook 8 hours.

Rose Edwards, Stillwater, Oklahoma:
APRICOT GLAZED CARROTS
 5 cups julienne-cut carrots
 1/4 teaspoon salt
 1/4 cup apricot preserves
 In a saucepan combine carrots and 1/4 cup water; bring to a boil. Reduce heat to low, cover and simmer until carrots are tender. Drain; add salt and preserves and stir to coat. Cook over low heat for 1-2 minutes until thoroughly heated.

Millie Conger, Tecumseh:
CHEESY MASH POTATOES
 6 large potatoes, peeled
 8 ounces cream cheese
 1 cup shredded Cheddar cheese
 1/2 cup sour cream

1/3 cup chopped onion
 1 egg
 1 teaspoon salt
 1/2 teaspoon pepper
 Cook potatoes until tender. Mash. Add rest of ingredients. Bake in a 2-quart baking dish. Cover and bake at 350 degrees for 40-45 minutes.
 NOTE: Can sprinkle more cheese on top half way through baking, if desired.

Kimberly Edwards, Stillwater, Oklahoma:
BURGER TACOS
 1 pound lean ground beef
 1 tablespoon Worcestershire sauce
 (12) 4-inch flour tortillas
 1/2 cup Thousand Island dressing
 1/4 teaspoon paprika
 2 cups shredded lettuce
 1/4 cup finely chopped dill pickle slices
 Brown beef in large skillet; drain. Return beef to skillet and stir in Worcestershire sauce. Cook stirring frequently, 1 minute. Heat tortillas as directed on package. Mix dressing and paprika in a small bowl until blended. Place lettuce on tortillas and top with beef, dressing mixture and pickles.

End Of Summer Cleaning

Nancy Nelson, Meadowlark Extension District, Family Life
 Want a great start to next summer? Spend some time now returning warm weather gear to its best possible state before you store it away. Here are recommendations from the American Cleaning Institute®.

Musty beach towels: Launder, using the hottest water that's safe for the fabric. Add a small amount of fabric softener to the final rinse. Machine-dry thoroughly.

Sandy sleeping bag: Turn the bag inside out. If the sand is damp, let the bag air out until the sand is dry. Shake the bag to remove as much loose sand as possible; then brush or vacuum away the remaining residue. If the bag is soiled, follow the sleeping bag's care label instructions.

Muddy tennis shoes: Let the mud dry completely. Then take the shoes outside and bang the soles together to remove as much of the dried mud as possible. Using a solution of warm water and hand dishwashing liquid and an old toothbrush, scrub gently to remove the remaining dirt. For stubborn dirt marks, scrub with a nylon pad. Wipe with a damp sponge or damp paper towels. Stuff the tennis shoes with clean paper towels and let them air-dry.

Grungy plastic tablecloths: A wipe-down with a soapy sponge may clean the top of the tablecloth, but not the flannel backing. To clean the whole thing, machine-wash, using the gentle cycle. Machine-dry on the delicate cycle for about 15 minutes. This is just enough time to remove the creases caused by machine washing, but not long enough to harm the vinyl. If the cloth is still damp, line-dry.

Grubby molded-resin outdoor furniture: Clean with a mild detergent and water. Avoid abrasive powders, chlorine bleaches, and silicone cleaners.

Soiled outdoor cushions: Acrylic, polyester, and cotton fabrics should be spot-cleaned by sponging with a solution of liquid dishwashing detergent and lukewarm water. Rinse and air-dry.

Dirty plastic pool toys: Mix 3/4 cup of chlorine bleach per gallon of warm water. Soak the prewashed toys for five minutes. Rinse and then air-dry. If the toys aren't used during the winter, store them in a closed container so they'll stay clean and dust-free.



Get me doing something I love, and I tend to forget about the fact that I really don't like talking about things that are personal to me. Sure, I will talk your ears off at any given point about the mundane day-to-day or surface-level stuff, but to really open up on the deeper things, I tend to avoid those subjects. I am usually quick to flip a conversation or redirect it back to whoever I might be conversing with if things start getting too real.

A while back, I was doing what I love, baking with my dear friend Tiffany. She caught me with my guard down, distracted by pie dough, and covered in flour and somehow got me talking about the real stuff in life. We talked about the journey that I have been on over these past few years. The fact that no matter how much weight I have lost, I still get caught up in the self-doubt, the fear of the weight coming back and more importantly the turmoil that comes along with lacking self-confidence. The disdain for looking in a mirror and still seeing the extra weight. The hesitation in deciding what to wear to ensure that I am covering those areas that forever haunt me. The comparisons to those around me and not being able to accept me for me.

As we dove deeper into the conversation, something struck me. What I wanted more than anything in the world was the self-confidence that my mom and my sister-in-law have. They are the two women that I see more than anyone else and the two women that no matter what, they carry themselves with such pride, such confidence and a beauty that truly radiates. My mom has played an active role in my life since day one and with getting so much of her stubbornness, sass and fighting spirit, I am not sure how I missed out on her confidence. I have seen her at her best and at her worst, but through it all, she's always held her head high, kept moving forward and always tackled anything and everything put in front of her. If she has ever doubted herself in terms of her appearance, I have never seen it, and I absolutely admire her for that.

My sister-in-law has been around for what seems like forever as she and my brother were high school sweethearts. I have seen her as an athlete, a student, a friend, a sister, a wife, a roommate, and my favorite role to see her in is as a mother to my two nieces; she is the best mom to those two little girls. She is firm when needed, yet always their safe place and a warm hug and a friendly smile. She is their biggest cheerleader and their number one role model. My favorite thing she's teaching them? Confidence! I'd be willing to bet she doesn't realize the amount of confidence she exudes, but I can assure you those two little girls pick up on it and they are beyond blessed to have that modeled before them every day.

So, with two strong women that exemplify self-confidence around me, why couldn't I get there myself? Probably something to do with society telling us that we are never good enough and always telling us that there are things we need to change about ourselves to be good enough. Inner demons that had been around for so long just don't go away overnight, it's a long battle, but a battle worth fighting. Tiffany made a suggestion that night and I am sure my jaw hit the floor. She suggested that I do a boudoir photo shoot. I think I might have even laughed at her. Told her there was no way, told her I wasn't brave enough or crazy enough for that. She informed me that I was. The seed was planted. I kept bringing up the idea to close friends to see their reactions. There was some shock, there was some encouragement, but more than anything there was curiosity on my end. Was this something I could do and if I did what impact would it make?

I did what anyone does, started searching what I didn't know. Started looking into bou-

doir. I was surprised to see that my initial thought process of thinking it was something that couldn't be done classily was completely wrong. I also still wasn't convinced I could do it until one day I was scrolling on Facebook and I came across an ad for Emily Lynn Boudoir, in Kansas City.

I reached out and started asking a million questions late one night and before the evening was over, I had booked my session. I was terrified and hesitant and at the same time excited to see what would happen. Excited to see if Tiffany might just be right and just maybe this would change the way I see myself.

The night before, I headed to Kansas City to stay with my best friend Kari. We went to dinner and just had some girl time, some time to relax and chat before I dove into the unknown. The next morning, I got up, and made the twenty-minute drive across town. I was surprisingly calm, even after getting lost; I think on some level, I knew this was going to be needed.

After trekking up four flights of stairs with all my stuff, I was greeted by two of the most amazing ladies I have ever met, Emily and Mikayla. I instantly felt like I had known them forever. Conversations flowed easily, hair and make-up were done and then Emily and I just sat and chatted for a while and honestly, I think that might have been the most healing thing for me. I couldn't tell you what we talked about, but we talked for quite some time and through those conversations I was reminded over and over again that it's not just me that lacks self-confidence or that battles inner demons, but that it is me that has to decide to overcome them or let them keep their power over me.

She was the unbiased voice of reason in a completely vulnerable situation that I needed to hear. The push to get me out of my own head, even if it's just a little bit. After chatting for some time, we dove into taking pictures. In a situation where I wasn't sure how I'd react, I loved it, every minute of it. Emily empowered me to be me, not anyone else, just me and to accept that I was enough just the way I was, no changes necessary. Six hundred pictures later we sat down to look at them, I was in shock, I didn't recognize the beautiful girl looking back at me, Emily quickly pointed out it was me, and always had been. Sure, I still wanted to pick myself apart, but she shut that down, refused to even acknowledge it, and quite frankly, I didn't need to, because for the first time in my life, I felt truly beautiful.

Somehow or another we narrowed those six hundred pictures down to eighteen. Eighteen pictures that represent me. Vulnerable, confident, strong, beautiful, and still a little sassy, but authentically me. Self-love will probably be something I struggle with forever, but I can confidently tell you that this crazy suggestion from Tiffany and these beautiful pictures that Emily took will forever be a reminder that I am good enough, just the way I am. I will probably never be a self-love expert or someone that fully exudes confidence, but if I learned anything from this experience it would have to be that facing those fears head on and doing something that seemed completely out of my comfort zone was an absolutely amazing, life changing experience for me, something that I would highly encourage to anyone struggling with finding their own self-love. I am a firm believer that you don't grow if you don't challenge yourself and this my friends, was a well-worth-it challenge.

Michele grew up in Junction City and graduated from Kansas State University. She worked in the restaurant management field for six years before deciding to switch careers and now works as an office manager for a company that manufactures oilfield products. Her passion for blogging and food can be followed on Instagram: boobsbrainsandbaking. If you would like to contact Michele with comments please email mcarlyon88@gmail.com

Need Senior Insurance?

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

800-373-9559
PHILLIPS INSURANCE
Jim- The Answer Man!

BARN BUILDERS DT CONSTRUCTION

918-527-0117
 Free Estimates! All Workers Insured Est. 1977
One Year Warranty

30x50x10 enclosed.....Galvalume \$10,300
 12' slider, 1 walk door...Colored metal \$11,300
 40x60x14 enclosed
 2 12' sliding doors.....Galvalume \$17,300
 1 walk door.....Colored metal \$18,700
 Price includes labor and material.
 40x100x16 enclosed
 20' split sliding door.....Galvalume \$25,800
 1 walk door.....Colored metal \$27,800
 www.DTCBarns.com

Kansas POWERTRAIN & EQUIPMENT LLC

785-861-7034
 1534 NW TYLER TOPEKA, KANSAS
 Your Parts & Service
 Headquarters for 10 years
 Complete Drivetrain Specialists • Drive Shafts
 Rear Ends and Heavy Duty Parts

Prize for SEPTEMBER 2020! "Our Daily Bread" Recipe Contest Prize

Grandma Hoerner's ALL NATURAL APPLE BUTTER

Grandma Hoerner's Old Fashioned Apple Butter is made with premium, fresh sliced apples. It is slow cooked in small batches to retain flavor. Premium honey, pure vanilla extract and special spices create a rich, robust flavor. *A Healthy Alternative to Butter or Cream Cheese!*

- All Natural • No Preservatives • Naturally Fat Free • 12.2 oz.

ALMA, KS * www.grandmahoerners.com

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

1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear. 2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery.
3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505. OR e-mail at: auctions@agpress.com

Prize for the month of OCTOBER 2020 & NOV. 3, 10 & 17, 2020

"Our Daily Bread" Recipe Contest Prize

Grandma Hoerner's Caramel Maple Pumpkin Pie Filling

Take Pumpkin Pie to a new level with Grandma Hoerner's pie filling. The caramel notes and maple undertones complement the pumpkin beautifully, creating a sophisticated, grown-up custard pie filling.

- All Natural • No Preservatives
- No High Fructose Corn Syrup • 17.5 oz.
- Each Jar Makes (1) 9-inch pie

ALMA, KS * www.grandmahoerners.com

CENTRAL KANSAS AG AVIATION

Call for all your Spring spraying needs!

STEVE DONOVAN
 Cellular: 785-366-0513 • Office: 785-258-3649

Tyler Johnson, Expanded Food & Nutrition Education Program Agent, Wildcat Extension District

In our very busy lives, we often find ourselves eating on the go or eating close to when we go to bed. Although it is understandable (who wants to go to bed hungry, right?), eating too late can lead to a variety of health issues. At some point, everyone has eaten a meal or a snack right before bed. Whether it is due to your busy schedule, feeling hungry, or mindless snacking, it is not the best for your health to just eat. There is good news though. If you watch what you eat, even light snacks before bed do not cause many problems.

The first question you need to ask yourself is, are you actually hungry? Many people often eat in the evening out of boredom, habit, or because of stress. If you truly are hungry, it is okay to have a snack in the evening. The best options for evening snacks are small portion foods with a high amount of protein and fiber. When eating these foods slowly, in small portions, and without distraction, you can meet your hunger needs without following the bad habit of mindless eating.

Laying down before fully digesting foods can cause discomfort leading to "burping up food." This is especially true if you eat certain types of foods. Foods you should try to avoid to get a good night's rest are; spicy foods like peppers, acidic foods like oranges, caffeinated foods like coffee and chocolate, high fat/calorie foods like pizza or burgers, sugary foods like candy, and alcohol like wine or beer. While it is best to give yourself enough time to fully digest before laying down, some foods are healthier

than others to eat in the evening.

Picking an evening snack is important. You need to find something to satisfy your hunger without causing sleep or health issues. The general rule to follow when snacking in the evening is to pick something high in fiber and protein while around 200 calories or less. Eating a snack high in fiber allows your body to slowly digest the food. High protein snacks will help you feel full faster. Keeping the snack under 200 calories will help you get to sleep on time and help you control weight gain.

The Healthline website (healthline.com) has a good list of healthy evening snacks. Some of the recommendations may be obvious, while others are new. Their recommendations range from fruits and seeds (ex. cherries and pistachios) to more substantial snacks (ex. hot cereal and protein smoothies). Basically, any fiber rich, minimally processed food, makes for a good, easy, and healthy evening snack.

When it comes to rethinking your evening snack, it is important to keep healthier snacks readily available in your home. Two of the drivers of unhealthy evening snacking is having only unhealthy snacks available or needing to go out later in the evening to get something. Many people are more tempted to go to the nearest fast-food drive-through or run into the nearest convenience store for an evening snack. Most of these options available would fall into the unhealthy category for evening snacking.

Please contact me to schedule an appointment or for more information, contact Tyler Johnson, tjohnson120@ksu.edu, or by calling 620-232-1930.



By Ashleigh Krispense White Beef Enchiladas

This is a recipe for a delicious beef enchilada with a creamy white sauce. Simple to throw together, they can be made even easier if you keep some browned ground beef in the freezer! While mozzarella cheese might work better in this recipe, I had cheddar in my fridge and they were still delicious. As you make the sauce, be sure to keep some spoons handy and taste it as you go. Adjust the seasonings and salt to your liking! (As a rule of thumb, I tend to like my foods fairly salty.)

- 2 pounds ground beef
 - 1 medium onion, chopped
 - 1 can Rotel
 - White sauce:
 - 1/4 cup butter
 - 8-ounce block cream cheese
 - 1 teaspoon parsley
 - 1 teaspoon garlic salt
 - 1/2 teaspoon ground pepper
 - 1/2 teaspoon garlic powder
 - 1/2 teaspoon sugar
 - 1/3 cup grated Parmesan cheese
 - 1 cup milk
 - Tortillas
 - Shredded Mozzarella or Cheddar cheese
- Preheat oven to 350 degrees.



Start by browning the ground beef in a large skillet with the onion. When it's almost finished cooking, stir in the Rotel.



In a saucepan over medium heat, melt the butter. Add the cream cheese and stir it almost constantly until cream cheese has melted and the mixture is somewhat smooth.

Stir in the parsley, garlic salt, pepper, garlic powder, sugar and Parmesan cheese. Pour in the milk gradually and whisk as you go.

Once the sauce has become thickened slightly (just a minute or two over low-medium heat while stirring), set aside.



In the bottom of a 9-by-13-inch casserole dish, spoon about 1/3 cup of white sauce and spread it out.



Grab a tortilla and spoon some sauce onto it as well. Add a handful of shredded cheese and then top with the ground beef mixture. Fold together and place (seam down) in the casserole dish.



Once all of the tortillas have been filled, spoon any remaining sauce over the tops of them and then sprinkle with Parmesan cheese. Top liberally with shredded cheese and bake for 15-20 minutes or until they're starting to brown and cheese is melted.

Cool 5-10 minutes before serving and enjoy!

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



AG LIME GYPSUM
Standard or Variable Rate Application

GEARY GRAIN, INC.
Junction City, Kansas
785-238-4177
gearygrain.com

THE WAIT IS OVER!
Volume 7 of the *Grass & Grain*
"Our Daily Bread" cookbook is finally here!!

Picking up where we left off, you can now enjoy a compilation of nearly 80 pages of unique & delicious recipes from "Our Daily Bread" circa 2014, including a few home recipes from the G&G staff!

Stop by and get yours or call in & place a mail order today!

\$15/ea., + \$3 shipping to U.S.
Earlier editions also still available!

GRASS & GRAIN
785-539-7558
1531 Yuma St • Manhattan, KS

HYDRABED
BY TRIPLE C, INC.

OPTIONS:

- Post Hole Digger
- Tool Boxes
- Hydra Feeder
- 3rd Spool Valve
- LED Work Lights

BEDS IN STOCK

INSTALLATION AVAILABLE

BOOT HILL SALES
CLAY CENTER, KS • 785-388-2245 | 785-632-7420
www.boothillsales.com

A Complete Cattle Feeding & Marketing Service

TIFFANY CATTLE CO., INC.

Family Owned & Operated

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

Production Services

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

Marketing Services

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

★ www.tiffanycattle.com ★

Follow us on at Tiffany Cattle Company

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

Need an extra copy of GRASS & GRAIN?
Pick one up at any of our Box locations:

Dara's Fast Lane:

- 5321 Tuttle Creek Blvd, **Manhattan, KS** -
- 8811 US-24, **Manhattan, KS** -
- 1132 Pillsbury Dr., **Manhattan, KS** -

Sharp's:

- 118 W. Randolph St., **Randolph, KS** -

The Store:

- 104 E Barton Rd., **Leonardville, KS** -

Copies are also available at these businesses:

Bluestem Farm & Ranch: - 2611 W. Hwy 50, **Emporia, KS** -

Pioneer Farm & Ranch: - 427 NE 14th **Abilene, KS** -

Or Stop by the Grass & Grain Office:

- 1531 Yuma St., **Manhattan, KS** -

Office Hours: Monday-Friday, 8am-5pm

"Alexa, turn on KFRM"

"The Voice of the Plains"

KFRM 550 AM

Streaming 24-7
Download the KFRM App and Listen Anytime, Anywhere!

NEBRASKA

Wray, Grand Island, McCook, Goodland, Hays, Salina, Topeka, Emporia, Garden City, Hutchinson, Dodge City, Wichita, Alva, Woodward, Enid, Ponca City, OKLAHOMA, OK City

Grant supports research at K-State to mitigate COVID-19 in meat and poultry processing facilities

A team of Kansas State University researchers is using a \$1 million grant from the U.S. Department of Agriculture — and an additional grant from the state of Kansas — to study how to effectively control the spread of SARS-CoV-2, the virus that causes COVID-19, in the nation's meat and poultry processing facilities.

The study “Translating SARS-CoV-2 Research Into Practical Solutions For The Meat And Poultry Processing Industry” seeks to protect meat plant workers and their surrounding communities from the spread of COVID-19. It involves researchers from K-State's College of Veterinary Medicine and College of Agriculture.

As part of the study, \$330,000 from the State of Kansas National Bio and Agro-Defense Facility Transition Fund will be used for research in K-State's Biosecurity Research Institute, or BRI, at Pat Roberts Hall. The BRI is a high-containment research facility.

A key objective of the project will be verifying the effectiveness of many of the approved cleaners and sanitizers for inactivating SARS-CoV-2 during plant processing and sani-



Kansas State University researchers involved in a U.S. Department of Agriculture-funded project to protect meat plant workers and their surrounding communities from the spread of COVID-19. From left: Randy Phebus, Sally Davis, Valentina Trinetta, Sara Gragg and Daniel Vega. Not pictured are Jeanette Thurston, Erin Schirtzinger and Yunjeong Kim.

tion operations. “Nationally and internationally, many facilities that produce meat and poultry products have been temporarily closed because of COVID-19 outbreaks,” said A. Sally Davis, an assistant professor of experimental pathology in the College of Veterinary Medicine and project director of the K-State grant. “This has put a major strain on food production, limit-

ing the amount of meat and poultry on grocery store shelves and disrupting food and feed supply chains across the globe. Research is necessary to understand why SARS-CoV-2 is such a problem in meat and poultry processing environments and how we can mitigate the problem.”

Davis said infections with SARS-CoV-2 are primarily thought to occur by exposure to infectious mi-

cro-droplets in the air and contaminated surfaces.

“We are investigating the conditions within meat and poultry processing environments, such as low temperatures, relative humidity, increased air movement and workers being in close proximity to one another, to help identify areas and surfaces that are at high risk for contamination and spread of infectious SARS-CoV-2,” Davis said.

The team will evaluate potential sources of exposure and determine the amount and the longevity of infectious virus that is present during and after meat processing and packaging activities. The team seeks to identify, develop, validate and deliver practical cleaning and disinfection strategies, plus develop mathematical models to predict and reduce the risk of SARS-CoV-2 exposure in meat and poultry processing facilities.

Joining Davis on the research team are food safety faculty from K-State's Food Science Institute, including Randall Phebus, co-project director and professor of animal sciences and industry, and Jeanette Thurston, director of the Food Science Institute and co-investigator on the project. The project also will rely on input from an industry advisory board.

“Our advisory board will be regularly updated on research progress,” Thurston said. “We will communicate with them in real time to make sure we are on the right track with our research and recommendations, and ensure that our findings are rapidly deployed across

the processing sector.”

The industry advisory board is composed of senior-level directors of food safety and plant operations at Hormel Foods, Smithfield Foods, National Beef Packing Company, Cargill Protein North America, JBS USA, Wayne Farms, Jennie-O Turkey Store, Tyson Fresh Meats and Costco Wholesale.

Collaborating with the K-State team are co-project directors from the University of Georgia poultry science department, Harsha Thipparedi and Manpreet Singh, who will provide extensive poultry experience and industry connections and lead the grant's industry outreach efforts. Valentina Trinetta and Sara Gragg, food safety faculty from the Food Science Institute, are co-project directors. Co-investigator Anke Richter, a public health-focused operation research specialist at the Naval Postgraduate School, will lead the risk assessment driven by mathematical modeling. Co-investigators Yunjeong Kim and Erin Schirtzinger in the K-State College of Veterinary Medicine and the Food Science Institute's Daniel Vega round out the project team.

The 115th National Western Stock Show postponed until January 2022

The Western Stock Show Association (WSSA) Board of Directors together with the National Western Stock Show (NWSS) management, has made the difficult decision to postpone the 115th Nation-

al Western Stock Show by one year and to resume the event in January 2022.

The COVID-19 pandemic does not allow for the Stock Show to host the annual event and comply with the health and safety

guidelines that are necessary to protect Coloradans and help stop the spread. More importantly, the projected environment through to the end of the year is too uncertain and therefore not reassuring enough to allow a traditional Stock Show to take place without potentially compromising the health and safety of exhibitors, visitors, and the public at large.

“The decision to postpone the 2021 Stock Show is incredibly difficult for our Board of Directors, staff, volunteers, business partners and the City and County of Denver,” stated Doug Jones, chairman of the WSSA, “but the icon-

ic western events and traditions we all know and love will be back in 2022, stronger than ever,” added Jones.

“Over the past several months, we reviewed and exhausted every option possible to host our event including a modified show with reduced capacity,” said Paul Andrews, president and CEO of the NWSS. “Ultimately, the health and safety of our guests, exhibitors, volunteers, and staff is of top priority and the NWSS and the City of Denver could not find a path forward to have Stock Show and comply with the rules that govern gatherings of our size and rules of social distancing,” said Andrews.

Stock Show management made the early decision due to the intense planning and expenses that go into the NWSS. “We needed to make sure we announced early enough so all the livestock producers, contestants, competitors, and exhibitors do not incur time and cost they can't recover,” stated Andrews, “and as an in-

door event in the heart of winter, we had to consider the virus could be spread more easily indoors, potentially compromising the safety and health of thousands of people. The responsible decision was to postpone the show.”

Every January, the NWSS hosts the Super Bowl of livestock shows along with professional rodeo competition and horse shows that are celebrated globally. The trade show is the largest western trade show in Colorado with nearly 900 booth spaces throughout the 90-acre grounds. The Stock Show draws over 700,000 attendees during the 16 days in January with record days seeing over 65,000 guests onsite. The NWSS drives an economic impact of nearly 120 million dollars in January alone. The show supports 4-H and FFA partnerships that span more than a century and supports over 100 students annually studying in the fields of agriculture and rural medicine at dozens of colleges throughout Colorado and Wyoming.

All of this as a non-profit 501(c)(3).

“We would like to thank our loyal stock show fans that are standing by us through this unprecedented time in history,” said Andrews. “We look forward to celebrating the return of Stock Show in 2022 with the grand opening of the historic Yards and Stockyards Event Center. Mark your calendars for January 8th through the 23rd, 2022,” said Andrews.

Study: cattle grazing greatly reduces spread of wildfires

A new study from the University of California Cooperative Extension shows that cattle grazing is an essential tool in reducing wildfire, but this tool is often overlooked by the public. Researchers go on to say that without the 1.8 million beef cattle grazing in California, the state would have hundreds to thousands of additional pounds per acre of fuels, and this year's fires would be even more devastating.

“Cattle grazing directly impacts fuel load and fire behavior,” said Felix Ratcliff, a rangeland consultant who contributed to the research.

In California, researchers found cattle remove, on average, 596 pounds of fuel per acre. In some regions with more forage, cattle would need to consume another 180 pounds per acre to bring grass down to 800 pounds per acre, which keeps flame lengths below four feet, a critical threshold for accessibility to firefighters.

STEEL BUILDING INVENTORY SALE!
I-BEAM CONSTRUCTION • EASY BOLT-UP DESIGN

DON'T MISS OUT ON OUR 50' X 100' X 16' SPECIAL PRICE!
316-559-0759
sales@toplinebuildings.com
toplinebuildings.com



Grow your profits with LCS wheat

Marvin Tischhauser
Wilsey
785.497.2888
LCS Revere

Seeman Farms
Larned
620.285.5288
620.285.1357
See us on Facebook
LCS Chrome &
LCS Revere

Marvin Whipple
Andrew Scherrer
Pawnee Rock
620.797.4870 (Marvin)
719.760.2570 (Andrew)
LCS Chrome &
LCS Photon AX

Timken Seed Farms
Timken
785.355.2285
LCS Mint,
LCS Chrome & T158

Miller Seed Farms
Partridge
800.567.3125
LCS Mint, LCS Chrome,
LCS Revere & LCS Photon AX

Tom Pauly Seeds
Conway Springs
620.222.8863
LCS Fusion AX &
LCS Photon AX

Schnaithman Farms
Garber, OK
405.410.6646
LCS Photon AX &
LCS Fusion AX

Call your local LCS dealer today

BROWN COUNTY LAND AUCTION
SATURDAY, OCTOBER 10, 2020 — 10:00 AM
National Guard Armory — HIAWATHA, KANSAS
1,435 ACRES SOLD IN MULTIPLE TRACTS
FOR TERMS & COMPLETE DETAILS ON EACH TRACT & for VIRTUAL TOURS of these properties visit
www.MidwestLandandHome.com
To stay up to date on auctions and listings LIKE our Facebook page [Midwest Land and Home](https://www.facebook.com/MidwestLandandHome).

Download our NEW Midwest Land & Home App On your Apple or Android device and get registered to BID!

SHIRLEY FAMILY FARMS, LLC, SELLER

Midwest Land and Home
Jeff Dankenbring — Listing Broker — 785.562.8386
Mark Uhlík — Broker/Auctioneer
www.MidwestLandandHome.com
When you want the Best, Call Midwest!

NOW IS A GOOD TIME TO GET RID OF UNUSED ITEMS ON THE FARM

GRASS & GRAIN Classifieds
are the perfect way to do it!

CLASSIFIED LINER ADS:
65¢ per word.
Discounts available for pre-paid ads that run 2+ weeks.
Visit us online, give us a call, stop by, or fill in and mail the ad form on page 16 to submit a classified liner ad.

CLASSIFIED DISPLAY ADS:
\$10.50 per column inch.
Discounts not available.
Give us a call, stop by, or contact your Grass & Grain sales rep to place a classified display ad!

CLASSIFIED LINER ADS look like this. First line is in all-caps and bold. No other formatting available. Pay by-the-word. Words counted by a space. Phone numbers or words separated by a dash are 1 word. Words separated by a backslash are counted as 2.

CLASSIFIED DISPLAY ADS LOOK LIKE THIS!
• Includes a defining border around the ad.
• Pay by the inch.
All formatting is available.
Photos/ logos optional.
Can be 1 or 2" columns wide.
*Depending on classification

Color is now available for classified display ads!
*Color is \$15 per inch. Ad must be at LEAST 1colX3.5" to run in color in the classified section.

www.GrassAndGrain.com
785-539-7558
1531 Yuma St • Manhattan, KS 65502



As I write this morning, I am working on several deadlines... all late as usual, but not terribly late. I call that a win.
We had such a successful event at the Fort Wal-

lace Museum last weekend. So many school kids (staying with their own groups, outside, doing our best to take care of everyone). Watching the interaction between the young people and the living historians warmed our hearts.
Two young men who were especially enjoyable were Brenden and Nathan Groninger. They are fans of *Around Kansas* and I asked them to join them on my show. They helped me host the show that will air on September 23.
When you read this, I should be just back from Pampa, Texas. Ken Spurgeon and I will be filming documentary pieces and meeting with good folks. The White Deer Land Museum has become our destination and their recent addition/remodeling will feature the Red River War. They will be the only museum that devotes such space to this oft-neglected war with such profound Kansas connections. The relationship benefits the Fort Wallace Museum as well as we collaborate on telling the story of the German Family. There are so many connections, so much shared history. It reminds me of an old saying by one of my college professors, "All history is ALL our history."
Our work goes on.
Deb Goodrich is the host of the Around Kansas TV Show and the Garvey Historian in Residence at the Fort Wallace Museum. She chairs the Santa Fe Trail 200, the bicentennial of that historic trail in 2021. Contact her at author.debgoodrich@gmail.com.

Legislation introduced to increase milk consumption among children
Rep. Fred Keller from Pennsylvania introduced the Giving Increased Variety to Ensure Milk Into the Lives of Kids Act late last month. The legislation aims to increase milk consumption in the Special Supplemental Nutrition Program for Women, Infants and Children (WIC) by giving participants over the age of two the option of having 2% reduced fat milk and whole milk as part of their diet. If passed, the bill would reverse an Obama administration rule limiting WIC participants to 1% reduced fat or non-fat milk.
The WIC program provides federal grants to states for supplemental foods, nutritional education and other support for low-income pregnant or postpartum women, as well as caregivers of children under five. The goal is to put good nutrition in the hands of children. Whole milk plays a key role in this as it provides a nutritionally dense, affordable and accessible complete source of protein. Science shows consumption of full-fat dairy products promotes a healthy weight in both children and adults and fends off chronic diseases.

Superior genetics ... locally grown™



KAUFFMAN SEEDS
Haven, KS
620-465-2245 • 620-727-3567
Bob Dole, SY Monument, SY Benefit, SY Grit, SY Wolverine, SY Rugged

MILLER SEED FARMS
Partridge, KS
800-567-3125
AP EverRock, Bob Dole, SY Monument, SY Rugged, AP503 CL²

PLAINSMEN SEED
Palco, KS • **785-221-1682**
SY Monument

POLANSKY SEED
Belleville, KS • **785-527-2271**
SY 517CL², SY Monument, SY Wolverine, Bob Dole, SY Achieve CL²

SEEMAN FARMS
Larned, KS
620-285-5288 • 620-285-1357
SY Rugged, SY Monument, Bob Dole

TISCHHAUSER SEEDS, INC
Wilsey, KS
785-497-2888
SY Monument, SY Wolverine, SY Bob Dole

CALL US FOR ALL YOUR SEED NEEDS!

FARM BUREAU FINANCIAL SERVICES
It's your future. Let's protect it.®

Smarter Insurance for Agriculture.®



Corey Powell
317 NE 14th
Abilene, KS
785-263-0600



Bethany Swafford
1323 18th Street
Belleville, KS
785-527-5664



Patrick Budy
129 N Nettleton
Bonner Springs, KS
913-543-4530
913-422-6622 (fax)



Justin Tadtman
535 Court St.
Clay Center, KS
785-632-2585
785-587-7830 (cell)



Matt Machin
535 W 6th Street
Junction City, KS
785-762-4213



Joe Wilson
2815 Anderson Ave. • Ste C
Manhattan, KS
785-537-0339
316-617-1623 (cell)



Mikeal Hodges
1927 Fort Riley Blvd.
Manhattan, KS
785-537-9393



Marvin Kramer
1019 Broadway
Marysville, KS
785-562-2136
785-268-0494 (cell)

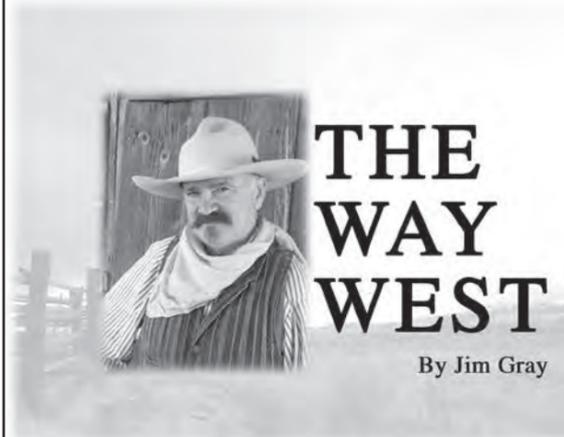


Jim Waters
1003 Lincoln
Wamego, KS
785-456-7627
785-456-3449 (cell)



Brice Leonard
418 C Street
Washington, KS
785-325-2227
785-325-2358 (cell)

Contact an agent near you today!



A Harrowing Tale

Operating out of Independence, Missouri, Waldo, Hall and Company began providing stage-coach service in 1850 to and from Santa Fe, in addition to carrying the mail on a monthly basis. With security in mind the coaches often passed over the trail two coaches at a time. A conductor was in charge of the mail, passengers, baggage, the driver, and additional armed guards.

Semi-monthly (every two weeks) service was inaugurated on November 1, 1858. Service had

recently been extended across the southwest to Stockton, California. The new contract required the company to shorten travel time to Santa Fe from twenty days to fifteen days. Mail contractor Jacob Hall left Neosho, Missouri, by stage on November 5th to inspect the route to Albuquerque, New Mexico. He carried a mail packet consisting of four to five pounds of letters and papers. The coaches that carried Hall were attacked by Comanches. Hall was wounded and captured, and the mail destroyed.

He was able to escape and arrived in St. Louis, Missouri, on March 11, 1859.

From the beginning of service Comanches and Kiowas had plagued stage traffic from southwest Kansas into New Mexico. Indian agent William Bent would later say, "A smothered passion for revenge agitates these Indians, perpetually fomented by the failure of food, the encircling encroachments of the white population, and exasperating sense of decay and impending extinction with which they are surrounded."

A mail station had been established in 1857 at William Allison and Francis Booth's trading post at Walnut Creek on the Santa Fe Trail (east of present-day Great Bend). The place was popularly known as Allison's Rancho. From Allison's mail station to Fort Union, New Mexico, a desolate trail of no additional relay stations left the stage company with no support for its stage operations.

Following his return from captivity among the Comanches, Hall called for a mail station at Pawnee Fork (present-day

Fort Larned National Historic Site), but Kiowas and Comanche leaders objected to any new stations west of Walnut Creek. Hall abandoned the attempt in the face of threats to kill anyone sent to build the station. However, by the first of August, Hall revisited the idea with U. S. officials, this time persuading the government to post a company of troops during construction of the station at Pawnee Fork. The troops returned to Fort Riley in September.

Almost immediately trouble erupted at Allison's Rancho. Two Kiowa chiefs, Satank and Big Pawnee, influenced by liquor, had attacked two employees at Allison's Rancho. The drunken chiefs were driven back without casualty, but concern was high that the station was about to be attacked by a large force of warriors. Two companies of cavalry were sent back to Allison's Rancho to defend the station.

Captain W. T. Walker sought out and arrested Big Pawnee as soon as he arrived on September 22nd. But, while under guard Big Pawnee ran for his warhorse and escaped.

In a long chase over the prairie Lt. George Bayard eventually shot him to keep him from getting away.

Realizing that the Kiowas would not let the death of Big Pawnee go without reprisal, Captain Walker camped close to Allison's Rancho. Additional troops under Captain W. D. DeSaussure arrived that evening. A single mail coach arrived at Allison's the next day with only three employees and no armed guards. Conductor Michael Smith requested an escort to Pawnee Fork. At Pawnee Fork Smith requested further escort, but Lt. Elmer Otis and his complement of thirty troopers were under orders to not go beyond Pawnee Fork.

Five or six miles west of Pawnee Fork the coach was overtaken by a band of fifteen Kiowas who at first appeared friendly. Suddenly, one of them grabbed William Cole and ordered him to mount up behind one of the warriors. Cole broke free just as the driver, Conductor Smith's brother, was shot in the breast. A lead ball grazed Cole in the back of the head and another

in the shoulder. A dozen shots filled the air, but both Conductor Smith and Cole were spared.

Cole took the reins as Smith jumped on one of the mules and whipped them into a frenzy. Several Kiowas raced along side of the running team as Smith frantically fought for his life. A shot from a Kiowa pistol brought him down. Cole shot the warrior, causing him to fall in front of the stampeding mules. One of the mules reared up, and the team became entangled, bringing the coach to a stop. Fortunately Cole jumped into some tall grass and was able to evade the Kiowas who soon lost interest and left with the mules.

Cole found his way back to Pawnee Fork where he related to Lt. Otis the death of the Smith brothers and his own harrowing tale of survival on The Way West.

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

Meadowlark Extension District youth to celebrate National 4-H Week: October 4-10

Every year, National 4-H Week sees millions of youth, parents, volunteers and alumni come together to celebrate the many positive youth development opportunities offered by 4-H. The theme for this year's National 4-H Week, Opportunity4All, is a campaign that was created by National 4-H Council to rally support for Cooperative Extension's 4-H program and identify solutions to eliminate the opportunity gap that affects 55 million kids across America.

With so many children struggling to reach their full potential, 4-H believes that young people, in partnership with adults, can play a crucial role in creating a more promising and equitable future for youth, families and communities across the country. In 4-H, we believe every

child should have an equal opportunity to succeed. We believe every child should have the skills they need to make a difference in the world.

Meadowlark District 4-H will observe National 4-H Week this year by highlighting some of the inspirational 4-H youth in our community, who are working tirelessly to support each other and their communities. Every 4-H club does this in different ways, but you should notice 4-H Clovers, messages and project highlights in communities across our three counties.

In Meadowlark District, more than 1350 youth and 260 registered adult volunteers from Jackson, Jefferson and Nemaha counties are involved in 4-H educational experiences. Nearly 800 of these youth participate in the Community Club delivery model, of which 30 different club options exist in almost every community. 4-H members may participate in over 30 different project areas, there's something for everyone - Opportunity4All! The remaining youth, gain educational experience in school enrichment and afterschool settings.

2020 proved to be a challenging year for the 4-H program, just like so many other things. We learned to

adapt to virtual delivery, even though 4-H is known for in-person, "learn by doing." October signals the start of a new 4-H year and in this new year, 4-H will continue its nearly 120-year-old mission of educating youth to "Make the Best Better." This is a perfect time to see what 4-H can offer you!

The 4-H Formula starts with the needs of every youth to have a sense of Belonging, Mastery, Independence and Generosity. How this can be achieved is through our Eight Essential Elements of: Engaged Learning, Safe Environment, Service Opportunities, Inclusive Settings, Caring Mentors, Planning for the Future, Opportunities for Mastery and Self-Confidence that comes from Belonging. Our priority areas are: STEM and Agriculture, Communication & the Arts, Healthy Living and Community Vitality. The impact 4-H has on its participants is to develop young people who are Learners, Communicators, Collaborators and Contributors in the world around them.

Sound like something you want to be a part of? To learn more about how you can get involved, visit: www.meadowlark.k-state.edu/4-h/ or www.kansas4-h.org/ 4-H enrollment opens October 1.

AUCTION
SATURDAY, SEPTEMBER 26, 2020 — 10:00 AM
 Located at 30952 S. Indian Hills Rd., OSAGE CITY, KS (From Osage City, 8 mi. South on Hwy. 170, 2 mi. East on W. 301st at the curve, 1 mi. South on Indian Hills, follow 309th to auction site.)
 Several nice Modern Oak furniture pieces; antique table top Victrola; 2 glass front curio cabinets; leather recliner; 5 glass kerosene lamps; brass "Great Western Railway Co." No. 8 bell; 3 Remington-style statues; 54+ Morgan & Peace silver dollars;
 24+ Am. Eagle silver dollars; 84+ Standing Liberty halves; 60+ Mercury dimes; 80+ silver quarters; Many more coins - selling approx. 1:30; selection of decanters, jars, what-nots, figurines, Coke items, Christmas & much more!
NOTE: RAIN OR SHINE! Most can be sold inside. Very clean auction with most in good condition. Located near Turkey Point area of Melvern Lake. Plan to do some sight-seeing after Auction!
CHERYL P. HENDERSON, SELLER
 Pics & Full Listing: www.wischroppauctions.com
 785-828-4212

LAND AUCTION
SATURDAY, OCTOBER 3, 2020 — 10:00 AM
4-H Building (901 O St.) — BELLEVILLE, KANSAS
223.8± ACRES REPUBLIC COUNTY, KS LAND
TRACT 1: Approx. 76.3 acres with approx. 74.85 DCP cropland acres.
TRACT 2: Approx. 146.8 acres with approx. 126.64 acres of DCP cropland, the balance being waterways and hay meadow. (Farmstead not included.) **TRACT 3 INFO:** Tracts 1 & 2 combined.
Both farms have extremely good soil types & are highly productive.
WALTER FAMILY TRUST, SELLER
 Download our NEW Midwest Land & Home App On your Apple or Android device and get registered to BID!
 See September 15 Grass & Grain's For Complete Details.
 For a VIRTUAL TOUR of this property visit www.MidwestLandandHome.com
 To stay up to date on auctions and listings LIKE our Facebook page Midwest Land and Home.
ONLINE & PHONE Bidding Available - Register NOW!

Midwest Land and Home
 Mark Uhlik - Broker/Auctioneer - 785.325.2740
 Jeff Dankenbring - Broker
www.MidwestLandandHome.com
 When you want the Best, Call Midwest!

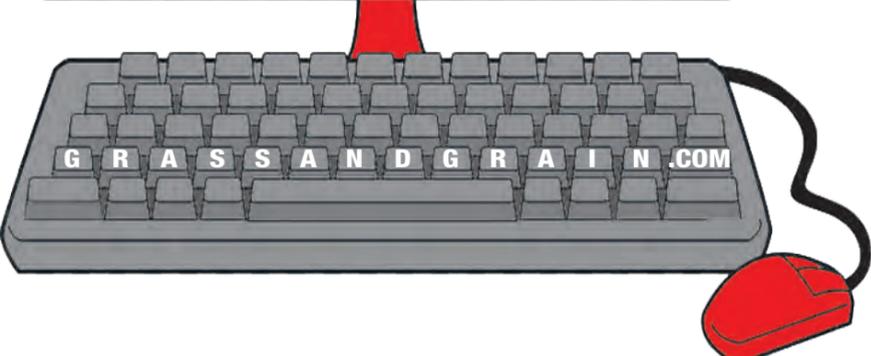
REAL ESTATE AUCTION
SHOP BUILDING & VACANT LOTS
SATURDAY, OCTOBER 3, 2020 - 10:30 AM
 Auction Location: At the Tract 1 property - 1 Block South of Duluth Rd. on 3rd St. in DULUTH, KANSAS
Tract 1: Property has a wood frame 50'x40' building w/colored metal sides & roof, double, walk-thru doors & 12' roll-up door.
Tract 2: Vacant lots w/grass and trees, consisting of .736 acres.
Tract 3: 2.79 acres with utilities available. Potential building site or recreational vehicle parking pad.
Tract 4: A combination of Tract 2 and Tract 3.
Auctioneer's Note: Come take a look at these properties! All are full of potential! Think outside the box!
 For more info, please call John E. Cline, Broker - 785-532-8381 or check website: WWW.clinerealtyandauction.com
SELLERS: FARMERS STATE BANK
 Auction Conducted By: **CLINE REALTY & AUCTION, LLC**
 Onaga, KS • 785-889-4775
 John E. Cline, Broker/Auctioneer, 785-532-8381

AUCTION REMINDER
SATURDAY, SEPTEMBER 26, 2020 — 9:30 AM
 Auction at the farm located from SOLOMON, KANSAS. 3/4 mile straight East to Barn Rd, then a little over a mile north to the corner of Barn Rd, and 2350 Avenue. The address is 205 2350 Ave, Solomon, KS 67480.
ANTIQUES, COLLECTIBLES & PRIMITIVES: inc. U.S. Army collectibles; Coke, 7-UP & other coolers; graniteware; crocks; cast iron seats; barn lanterns; (20) 5 gal. gas cans; steel wheels; 2 cultivators; AC planter w/plates; well pumps; Farm Primitives; scale collection; records; U.S. 1940s pick & machete; Cola-Rita & Par-T-Pak pop signs; fishing items; 2 RR signs & shovel; Winchester axe; 1937 K-State year-book; planes; 3 gal. wood oil cities, Salina; toys; baseball cards; **MUCH MORE!** Please WEAR MASKS and Practice Social Distancing!
CLERK: Shirley Riek, 526 Frederick, Clay Center, KS 67432.
GLEN COX, SELLER * 785-488-7380
 See last week's Grass & Grain for listings & Go to kretzauctions.net/kretz for pictures & map.
 Auction conducted by: **Kretz Auction Service**
 Greg Kretz, Salesman & Auctioneer: (785) 630-0701
 Guest Auctioneer: Randy Reynolds (785) 263-5627

ESTATE AUCTION
SATURDAY, SEPTEMBER 26, 2020 — 9:30 AM
 4820 Cheyenne Lane, Lake Dabinawa, McLOUTH, KANSAS
 From: N. Lawrence 3 mi. West on Hwy 24/40 to Midland Farm Store, turn North 8 mi. on Wellman Rd. to 54th, turn East 1 mi. to Dabinawa Lane, turn South 1 mi. to Cheyenne Lane turn East to Auction! WATCH FOR SIGNS!
VINTAGE FURNITURE, FURNITURE, MOWER, TRAILER, TOOLS, COLLECTIBLES, WESTERN-SOUTHWEST, QUILTS, HOUSEHOLD & MISC.
 See last week's Grass & Grain for listings & Please visit us online: www.KansasAuctions.net/elston for 100+ Pictures!
SELLER: DON & KATHY HAMILTON ESTATE & TRACY HAMILTON ESTATE
 Be courteous to the Neighbors when Parking! Inspection day of auction only! Social distancing practiced!
ELSTON AUCTIONS (785-594-0505) (785-218-7851)
 "Serving Your Auction Needs Since 1994"

FARM ESTATE AUCTION
MONDAY, SEPTEMBER 28, 2020 — 9:30 AM
 Located at the farm located at 8298 E. Magnolia Rd., SALINA, KS. From Solomon, KS go 1.5 miles west on Old 40 to Donmeyer Rd, then 7.5 miles south and about 1.5 miles west, south side of road, or from Salina go 7 miles east on Magnolia.
FARM MACHINERY, SEMI, TRAILERS, PICKUP, CAR, MOWER, ATVS & MISC.
 Will start with rack items. Should be on machinery and vehicles at about 11:30. Loader tractor available sale day. Please WEAR MASKS and Practice Social Distancing! LUNCH: Robin Fowles CLERK: Shirley Riek, 526 Frederick, Clay Center, KS 67432.
LEO ROESNER ESTATE & MALIN TORNBERG, SELLERS
 See last week's Grass & Grain for Listings & Go to kretzauctions.net/kretz for pictures, map, additional information & updates
 Auction conducted by: **Kretz Auction Service**
 Greg Kretz, Salesman & Auctioneer: (785) 630-0701
 Guest Auctioneer: Randy Reynolds (785) 263-5627

GRASS & GRAIN
ONLINE ONLY
1 year - \$35 Other options also available
 Arrives in your Inbox every Monday between 12-1pm
 Email is required.
TO SWITCH OR SUBSCRIBE CONTACT KEVIN:
CALL 785-539-7558 • EMAIL: agpress3@agpress.com
Or stop by: 1531 Yuma St., Manhattan, KS
 *Online edition is FREE to all Paid Mail Subscribers



GRASS & GRAIN EMAIL EDITION
ARRIVES IN YOUR INBOX EVERY MONDAY AFTERNOON!
 Low cost, easy to sign up and use!
 Current print subscribers can receive the email edition at no extra cost. All we need is your email!
 Call and we'll get you set up!
For more information:
Subscribe online: GrassAndGrain.com
Give us a call: 785-539-7558
Or stop by: 1531 Yuma St., Manhattan, KS 66502
 We will NEVER sell your information, and you will not receive any junk emails from or as a result of us.

2020 4-H YOUTH SHOWCASE



Kennedy Tannahill, age 9 of the Soldier Boosters 4-H Club earned a blue ribbon at the Jackson County Fair for the Angel Food cake she baked for her Foods project.



13-year old Koy Tannahill of the Soldier Boosters 4-H Club received a blue ribbon at the Jackson County Fair for the cherry pie he baked for the Food/Nutrition project.



Cami Miller, Cassoday Boosters 4-H, showed the Grand Champion Market Hog and was named Intermediate Swine Showman at the Butler County Fair.



Tristan Schmid, 13, is a member of the Busy Jay-hawkers 4-H Club in Nemaha County. This year for the foods category, he made one-hour rolls and received a blue ribbon at the Nemaha County Fair.



13-year-old Brooke Gaines, of the Madison Pacesetters 4-H Club, is shown with her wether boer goat Dale, who was the class champion in his weight division at the Greenwood County Fair. She has been in this project for five years and says this year was the most interesting. "I was grateful to have my goat project this year as my dad and I called them my therapy goats," she said. "They were the most normal thing in my world during the stay at home order. The time I spent on this project wasn't any more than I would any other year, although I did appreciate having a project like this to work on every night."



Brooke Gaines also showed her wether boer goat Chip, which placed reserve class champion in his weight division.

YOUR NAME COULD BE HERE!
Sponsor the Kid's Corner!
 Contact your sales rep or call Grass & Grain for more information!
 785-539-7558 • gandgeditor@agpress.com

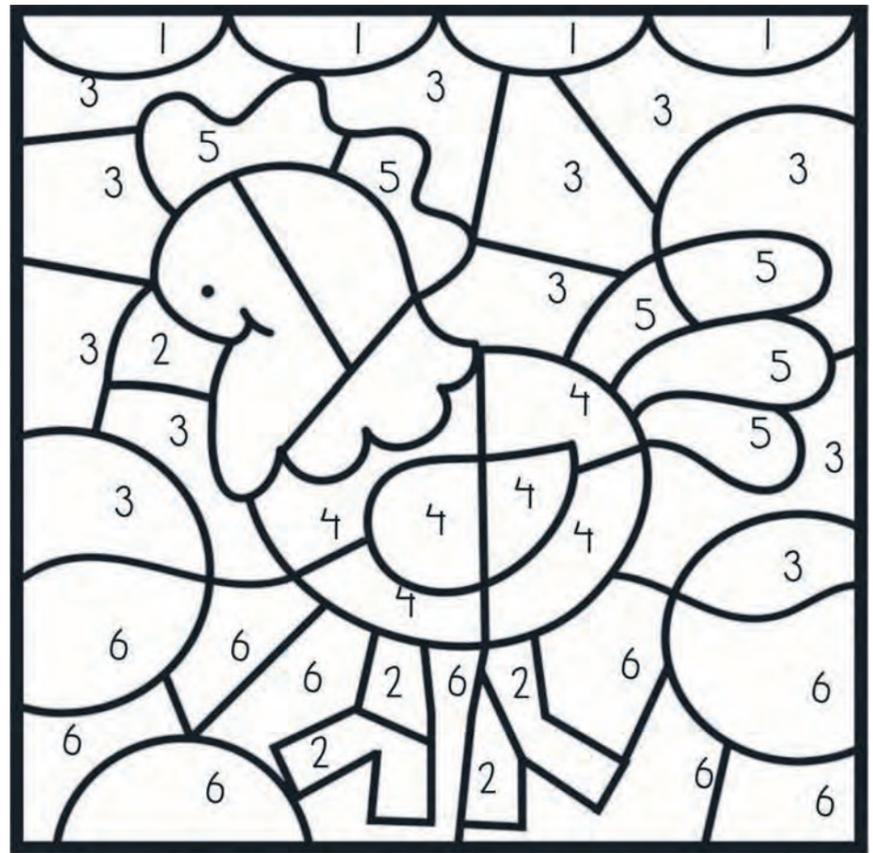


September is:
 National Chicken
 AND
 National Honey
 Month!

Color by Number!

- 1-orange
- 2-yellow
- 3-blue
- 4-brown
- 5-red
- 6-green

TEACHSUCCESS (LLC)



BEE aMAZEing!

Controlling Italian ryegrass in wheat fields

By James Coover, Crop Production Agent, Wildcat & Southwind Extension District

Whether you call it Italian ryegrass, annual ryegrass, or just ryegrass, it can be an issue in wheat fields. This prolific annual grass species can germinate after wheat is planted and goes to seed before wheat is harvested, creating thousands of seeds that are spread out by the combine. Italian ryegrass has a lot of cultural similarities to cheatgrass, though the two are from different grass families with cheat being a brome. While cheat is more of a problem farther west, Italian ryegrass outcompetes wheat in this area with its higher tolerance to acidic soils and wet clay soils. However both cheat and ryegrass increasing prevalence in wheat fields is because both are becoming resistant to ALS-inhibitor herbicides, our main grass control herbicide group in wheat fields.

ALS-inhibitor herbicides, which is group 2, includes herbicides such as Finesse, Olympus, Osprey, and Beyond. ALS-inhibitors is a big category with a lot of different chemicals and some are likely to have less weed resistance than others. Timing of application of course plays a big role in control. Attempting to control estab-

lished ryegrass in the spring right before wheat jointing isn't going to give near as much control as controlling it earlier in the spring right after green-up or in the fall. Besides losing effectiveness in herbicide with delayed spraying in spring, options also start to become limited due to planting restrictions of the double-cropped soybeans.

Fields plagued by ryegrass and cheat should consider the use of delayed pre-emergence herbicides such as Zidua or Anthem Flex (group 14 and 15). These herbicides are applied right after wheat germination, but hopefully, before the ryegrass germinates, as neither control germinated weed seedlings. Also, like most germination inhibitors, soil moisture is needed for activation. There are also some ALS-inhibitors that can be mixed with Zidua and Anthem Flex to give some control on already emerged weeds. Research from Oklahoma Extension has shown effective Italian ryegrass control with these herbicides, that is, if there is timely rain for activation.

Something worth looking into is a new wheat system called Coaxium. Coaxium systems uses a non-GMO wheat

that is resistant to the herbicide quizalofop, which is a group 1 herbicide that goes by the trade name Aggressor. A study at the K-State Research and Extension station in Great Bend showed feral rye control at the levels of 80 to 98% using the Coaxium system. It is still fairly new so there are some questions that haven't been researched yet but so far the field and greenhouse studies look promising. This Coaxium wheat system doesn't control broadleaves, however, but there are a number of broad-leaf herbicides that can be used in conjunction. This is similar to the Clearfield varieties that have been on the market a little longer. Clearfield varieties are resistant to the herbicide imazamox, used in Beyond, that is a group 2 herbicide.

No matter the system and herbicides used, the same agronomic herbicide principles still apply: start with a clean field, mix the modes of action, and spray weeds when they are young. If you have any questions about controlling weeds in crop fields or need help finding Extension publications, please give me a call at 620-724-8233 or email jcoover@ksu.edu.

Food supply chain regaining stability, consumer confidence

By Kay Ledbetter, Texas A&M

Links of the food supply chain, especially the meat supply, are regaining strength after periods of uncertainty during the early months of the COVID-19 pandemic, once again instilling consumer confidence, according to Texas A&M AgriLife experts.

As supplies strengthen, however, the purchasing practices of consumers could be changing as a result of the pandemic, and creating a "new normal" instead of returning to pre-pandemic practices, said David Anderson, Ph.D., Texas A&M AgriLife Extension Service economist in the Department of Agricultural Economics, College Station.

Anderson said prior to the COVID-19 shutdowns, consumers typically pur-

chased about 50% of their food from grocery stores for home consumption and then other 50% was met through outside food services, such as restaurants and schools.

The food service side of that equation has not completely recovered, he said, as restaurants are still operating at a limited capacity, if they reopened, and schools are just now starting to open, but again, not all the students will return to the institutions. So, the food supply chain is still adjusting to the changing markets.

There are still some concerns within the agriculture industry and getting back to the balanced marketplace will take an economic recovery that reduces unemployment and revives household incomes, said Greg Pompelli, Ph.D., director of the

Texas A&M AgriLife-led Center of Excellence for Cross-Border Threat Screening and Supply Chain Defense Center, or CBTS, a Department of Homeland Security Science and Technology Center of Excellence.

Also, given the importance of global markets to U.S. agriculture, the focus will be on returning to pre-pandemic trade levels, Pompelli said. Trade disputes and the pandemic's impact on the incomes of global consumers have added uncertainty about the strength of export market opportunities for U.S. producers.

Meeting consumer needs

Both Pompelli and Anderson agreed that consumers are finding most items they want and need at the grocery store level, although it might not include all of their favorites just yet.

"Where we see changes at the retail level boils down to human behavior. In the early days of the pandemic with paper towels or toilet paper, people assumed they wouldn't be able to find these products for a year, so they stocked up. Now they are settling into new routines and sometimes with new products.

Now, he said, consumers are adapting and moving away from their initial reactions as their concerns about food availability have diminished.

"Today, for the most part, consumers who go to the grocery store might not see exactly what they want, but there are a lot of substitutes available," Pompelli said. "There will always be some things, favorite brands, that people don't have a willingness to sub, and some of those still might be hard to find in some areas."

One change developing from the pandemic is the future may include more delivery services, boxed meals and curbside grocery pickup options as consumers maintain some of their habits from when store shelves and meat cases were bare and people were asked to stay home, Anderson said.

"Another adjustment I think we are going to continue to see over time is more delivery services of

groceries and food. More and more of the shoppers in the grocery aisles are employees putting together grocery orders, either for curbside pickup or for companies that bring the order to your home."

This pandemic has boosted those businesses, and that will become the new norm for those with the money to pay for the convenience of it, he said. There will still be people who choose not to partake in those services, who live in areas where those services are not yet available, or who can't afford them.

Understanding the food supply chain impacts

When considering the cost of food to consumers, part of the reason we pay so little for food is we have this big, efficient system - most of the time, Anderson said. This became a big issue for the produce, egg, milk and meat markets, as they are perishable products that can't sit on the shelf and wait.

"With the dramatic shutdown of restaurants and food service, it took a while for the industry to make the switch to providing the majority of their supplies to grocery stores, instead of the restaurant and food service industry," Pompelli said.

Overall, Pompelli said the food and agriculture industries have been resilient, but the pandemic has exposed vulnerabilities in our food supply.

"Where we saw some milk dumped and crops plowed under because demand in certain institutional and food service supply chains vanished overnight, I think that is behind us," he said. "I think we've learned some things. I have been impressed by how some industries were able to recover, do more to protect their workers, and shift their supply chains to meet increased retail consumer demand."

Anderson said when restaurants closed during a prime produce market window and harvest season, there was just no place for those highly perishable products to go. Think about how many salads are served at restaurants - it highlights the perishability of those crops, and the highly sea-

son nature of production. When the price received didn't cover harvest costs, the crops were left or plowed up.

"We're probably not back fully in that area because the restaurants are not back at full capacity," he said. "While grocery store sales continue to be greater than what we had a year ago, we still have less going through the restaurants. This adds a little uncertainty for next year's crop. In our Winter Garden area and Rio Grande Valley, we produce a lot of product over the winter and that will depend on how the market recoups moving forward."

Eggs and dairy also suffered oversupply and packaging issues due to restaurants and food service reductions, Anderson said. For instance, restaurants typically get eggs in 60-count flats, and those eggs needed to be repackaged and sent to the grocery store, but there weren't enough dozen-egg containers. And then there was the question of how to divert from non-retail sale items to retail sale.

While many of the issues have been addressed, especially as more restaurants come back online and schools get back in session, that market still hasn't been completely re-established, he said. Consumers might not see a fully stocked department like pre-COVID-19 yet or see a greater number of 18-pack instead of dozen-egg cartons.

Dairy faced the same issues, Anderson said. Schools shut down and because the industry moves a lot of fluid milk through tiny cartons to that market, suddenly they had to deal with the packaging issue. Fluid milk prices collapsed as the industry tried to adjust.

"Looking at the data, the drinking milk they were selling actually increased, but they lost a lot through food services in the form of cheese and butter," he said. "But this is also rebounding as production adjusted to match the market, and milk prices are working their way back up."

The meat case

When the pandemic hit, the consolidated meat packer situation was the most visible logjam in the food supply system, Anderson said.

It only took one or two plants to close their doors or reduce their production to create issues that extended to the consumer meat cases, he said. There were also some problems at processors where boxed

beef was sent for further processing, but they were not as large as those at the packing houses.

Overall, though, the meat supply chain has adjusted during the past four months and seems to be leveling back out, Anderson said. Packing plants that had slowed down and/or closed are back online, and beef production the past eight weeks has been higher than a year ago. Pork production is following the same path as well.

"In terms of producing meat, we're back," he said. "We were processing fewer animals for a while, but adjustments are occurring so the total meat being produced every week is back to where it was."

Anderson said the bottleneck in the food supply system still being worked through is with restaurants that remain closed or that are trying to operate at a reduced capacity.

"While we were not going to the restaurant, we were buying more meat from the grocery stores," he said. "But we are not back to where we were before coronavirus on overall meat purchases, because the grocery store sales don't fully make up for the lost restaurant sales."

Before the pandemic, the meat market was typically divided with consumers getting half from grocery stores and half from food services such as restaurants and schools, Anderson said. But clearly that changed over the past few months, so there's a different mix of products being purchased.

During the height of the crisis, stores limited purchases on the meat cuts most consumers were familiar with, or sometimes the meat just wasn't there, he said. At other times, there was beef and pork coming into the stores, but people were seeing a different selection of cuts than they normally have seen, based on grocery store strategies.

Many decisions on what to stock were based on their clientele base and also reacting to the recession. Income is a factor in meat purchases, Anderson said. During the height of the pandemic, these prices surged, but wholesale prices have now dropped back down below what they were prior to the coronavirus pandemic.

"We have not seen the prices adjusted in the retail level reports, but I think we are beginning to see the grocery store prices starting to drop."

FARM AUCTION

SATURDAY, OCTOBER 3, 2020 — 9:00 AM

1232 E 2300 Rd • EUDORA, KANSAS

Directions: South of Eudora on Dg. 1061 (E2200 Rd) to N1200 Rd, East 1 mi. to E 2300 Rd, North 1/2 mi. on E2300 Rd to Auction. Watch For Signs!

TRACTORS, FARM EQUIPMENT & ANTIQUE FARM MISC.

Case IH 7120 Magnum Tractor, CAH, 18-4 powershift, MFWD, 540/1000 pto, 3 remotes, 18.4R42 tires, 6104 hrs.; Farmall 806 Tractor, 540/1000 pto, 3pt, 2 remotes, TA, 18.4-38 tires, 7356 hrs. w/IH 2350 Mount-O-Matic loader w/bale spike & bucket; Farmall M, narrow front; JD 346 square baler, twine tie; Bushhog Legend 2615 flex wing mower, 540 pto; JD 700 Grinder Mixer; JD grnd driven manure spreader; '61 Ford F-600, 2T, 292 mtr, 16' steel bed, hoist w/grain sides & stock racks (needs work); McCormick-Deering Corn Binder, grnd driven, shedded; McCormick-Deering single row cultivator; Farmall F12 fenders; JD Mdl B Grain Drill, 16-8; Several older plows; JD LF-12 easy flow (rough); JD Rake, side delivery w/dolly wheel; 14' Haul-Mor bed on HD 6 bolt gear w/hoist & 24" grain sides; 6 & 8 bolt elec. wagon gears; 16' hay wagon, slit bed, elec. 5026 gear; Badger Flail cutter, 15', 540 pto; 1000 gal fuel tank w/pump; 300 gal upright fuel tank; IH 100# suitcase & pancake wts; 300 gal spray tank, 3 pt w/control valve & flow mtr; Hutchinson 6" Auger, 40'; 4 & 5" grain augers; JD 3pt head mover; Cleland Mfg Co. Grain Separator (out of Eudora Grain Elevator); Herd Sure-feed ATV seeder; 550 gal slide in poly tank; '79 Chevy Pickup, 2wd, 3/4 T; 18.4-34 wheels & tires; Hays well pump; buggy & wagon tongues; eveners; (2) 500 gal Propane tanks; Kawasaki 300 ATV (needs carb work); 25 gal ATV sprayer; (2) Simplicity Lawn mower (needs work); other miscellaneous items too numerous to mention.

LIVESTOCK, SHOP EQUIPMENT & MISCELLANEOUS

Go Bob Haymonster feeders; Priefert feed bunks; misc. livestock (cattle, sheep & pig) hay rings & feeders; feed bunks; mineral feeders; stock tanks; hog feeder w/cast iron bottom; 1 T grain bin (needs boot); Several new HD & older pipe gates; new rolls barwire; (4) new rolls woven field fence; misc. t-posts; older loading ramps; Coats Rim Clamp 5060A tire machine; Coats 4050A tire machine; JD G5500K gas generator; American Ind prod TK-5080VM, 80 gal, 5hp, 175 psi air compressor; Troy 22T hyd/air truck jack; Lincoln electric & other grease guns; JD guards/sections; bench grinder; tire bars; handyman jacks; tap & dye; post puller; Battery chargers; new oil; oil filters & misc. fluids; log chains; gear pullers, pipe wrenches, all sizes-combo wrenches; R134/R12 gauges; 3/8" & 1/2" air impacts; misc. pneumatic tools; come-a-longs; log chains; bead blaster, hitch pins; rotating nail bin organizer; bolt bin organizer; old milk buckets & strainers; misc. scrap iron; lots misc. hand tools & other misc. too numerous to mention.

CONSIGNED BY FAMILY

Case IH 9230 Row Crop Special Tractor, 4wd, 12 spd powershift, 1000 pto, 3 pt, 4 remotes, 18.4-38 tires, 7128 hrs.; Brent 672 grain cart w/roller tarp, sm 1000 pto, 24.5-32 tires; Westfield 10" Auger, 60', 540 pto w/swing out hopper & hyd lift Case IH True Tandem 330 Turbo, Vertical Tillage Tool, 25' w/rolling baskets; Case IH RMX370 Disk, 26', Hyd Fore/Aft leveling control; Krause 3950 26' NT disk; Case IH 4300 Field Cultivator, 27', 3 bar coil tine harrow; JD 455 Grain Drill, 25', full & half spd drive sprockets; JD 714, 11 shank soil savor, walking tandems; JD 7200 Conservation 16 row Planter, 2 pt hitch, vac, Dawn row cleaners, corn/bean/milo plates; Sprayer Specialties NF1000 Sprayer, Raven controls, 60' boom, foam markers; Parker Grain Buggy, Dbl compartment, 400 bu, 12" auger; Golden Plain Anhyd Applicator, 3 pt, 21' w/Dicky John cooler & closers; Parker 225 & 300 gravity wagons; JD 915 V-Ripper, 9 shank adj; JD400 21' Rotary hoe; Kent 9 shank soil savor; Case IH 183, 8-30 Cultivator; Willmar 500 Fertilizer Buggy; Kuker pull type sprayer w/500 gal tank, 45' booms, hyd pump, Raven controls; IH 330 10' in-wheel disk; IH 5-16 plow; Brushhog 3pt, cat 2; 7' hyd blade; Case IH 4600 24' field cultivator w/3 bar harrow; Blair 16' Bumper pull stock trailer (needs floor); Krause 4100 40' field cultivator, s-tine, 3 bar harrow; Rhino 3pt post digger, 6" & 12" bit; Clipper Seed & Grain Cleaner w/screens; Rolling flow Seed cleaner; 2000 & 500 gal fuel tanks w/pump; 500 gal poly tank; McCormick-Deering 10-20 Tractor, on steel, needs full restoration or parts machine; '95 Dodge Ram 2500, slit, 4wd, dsl; '72 Grand Torino (Sport), 351 Cleveland, auto (both vehicles need work); 30' GN Trailer w/1200 gal tank; Lots of other farm misc. too numerous to mention.

SELLER: KATHERINE L. NEIS ESTATE

AUCTIONEER'S NOTE: The Neis family has operated on this farm for over a century. Please join us sale day in person or on the Internet to bid on some outstanding equipment. All internet purchases must be paid for either in person or by wire transfer by 3 p.m. Monday, October 5th. Due to Covid-19 we are taking precautions for the health and well-being of our Clients, Customers & Staff. LIVE online bidding will be available. Out of the abundance of caution and in accordance with local, state and federal guidance/recommendations in place, please follow social distancing while attending. We ask everyone to please do what is best for themselves and if in doubt, please stay home. Thank you for your patronage and cooperation with the "new normal" of the auction industry. Thanks, Jason.

Please feel free to bid online with no added fees at www.LIVEAUCTIONS.TV. Must be pre-registered online by 10/2/20. If you have trouble registering please contact Ben Gleason at 785.640.9390. Concessions offered by Worden Church Ladies! Terms & Conditions: Cash or approved checks, sorry no credit cards; ID required to register for a bid number; bidding by number; nothing removed until settled with the cashier. Seller, Auctioneers or Auction Staff not responsible for accidents/damage or theft. Statements made day of auction take precedence over all prior advertisements and printed material. Title transfers are the responsibility of the buyer and seller. Everything sold as is, where is, without any guarantee implied.

AUCTIONEER: Jason Flory 785.979.2183



Visit us at www.FloryAndAssociates.com or KansasAuctions.net for Pictures & Auction Info!

LAND AUCTION

311.86 +/- Acres of Native Grass Pasture in 2 Tracts in North Lyon County

THURSDAY, OCTOBER 1, 2020 — 6:30 PM

AUCTION LOCATION: The Admire Community Center, 100 E. 3rd St. - ADMIRE, KANSAS 66830

SELLERS: THE WANDA SPADE FAMILY

(Susan Ryan & Joanne Supernois)

TRACT #1: 153.90 +/--acres. BRIEF LEGAL: S/2 of the S/2 in S04-T16S-R12E, Lyon Co.

TRACT #2: 157.96 +/--acres. BRIEF LEGAL: NE/4 in S09-T16S-R12E, Lyon Co.

DIRECTIONS: Tract #1 is 2.0 mi north of the intersection of US-56 & HWY-99, north of Admire, KS, on the east side of HWY-99 AND Tract #2 is 1.0 mi north of the intersection of US-56 & HWY-99, on HWY-99 to Rd 350, then east 1.0 mi to Rd S, then north 0.5 mi to the pasture on the west side of the road. Watch for signs.

DESC: If you like quality, then you will want to take a look at these North Lyon County pastures! These pastures have been well managed as you will see, with minimal brush and good ponds, these pastures are ready to work for you! Buy one or both, the current tenant has run them as one pasture. These are both quality Flint Hills pastures. With all time low interest rates, now is a good time to invest in land. We look forward to seeing you at the auction!

See website for full listing, photos & videos: GriffinRealEstateAuction.com

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

RICK GRIFFIN Associate Broker & Auctioneer Cell: 620-343-0473

Office: 305 Broadway, Cottonwood Falls, KS 66845

Phone: 620-273-6421 Fax: 620-273-6425 Toll-Free: 866-273-6421

Griffin Real Estate & Auction

griffinrealestateauction@gmail.com

DAHARSH/STINER ESTATE AUCTION

SATURDAY, OCTOBER 3, 2020 — 10:00 AM

(Vehicles & Tractors Sell at Noon)

AUCTION LOCATION: 4020 Graphic Arts Rd, EMPORIA, KS 66801

SELLERS: The Estates of the

DAHARSH & STINER FAMILIES

VEHICLES & TRACTOR: 2000 Ford Windstar SE, 250,843 mi; 1997 Ford F150 XL, 2wd, V6, 128,171 mi; 1954 Ford Jubilee NAA Tractor; ANTIQUES, POTTERY & GLASSWARE, HOUSEHOLD & FURNITURE, TOOLS & OUTDOOR, SEWING MACHINES.

This is a partial listing, see next week's paper or website for full listing & photos at GriffinRealEstateAuction.com

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

ANDY PHIPPS Auctioneer Cell: 620-794-1673

Griffin Real Estate & Auction

griffinrealestateauction@gmail.com

Office: 305 Broadway, Cottonwood Falls, KS 66845

Phone: 620-273-6421 Fax: 620-273-6425 Toll-Free: 866-273-6421 In Office: Miranda Phipps, Heidi Maggard

Grass & Grain Area Auctions and Sales

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

Always great online Equipment auctions — www.purplewave.com

Online Estate Auction — (Bidding opens Sept. 24, 8 am; soft closes Sept. 30, 8 pm) selling 300+ lots of sad & collectible electric irons, 8' oak showcase, 1920s-1990s National Geographics, glassware, handstitched quilts, area artists' water colors, household, shop tools & miscellaneous collectibles (at Sterling) for Mary Flickinger Estate & held online at hollingerauction.hibid.com/auctions/current. Auctioneers: Hollinger Online Auctions.

September 22 — Land Auction with 160.97 acres m/l of Flint Hills Native Grass in Chase County held at Elmdale for The Davis Family (Charlotte Davis, Helen Winter & Cody Winter). Auctioneers: Griffin Real Estate & Auction.

September 24 — Land auction including 412.66 acres m/l of Marion County land sold in 2 tracts (T1: 320 acres m/l cropland, native grass, creek, woodlands & trees; T2: 92.66 acres m/l cropland) held at Marion for William J. Siebert Estate. Auctioneers: Leppke Realty & Auction.

September 26 — Outdoor & shop items, fishing & camping, patio, household & more held at Strong City. Auctioneers: Hancock Auction & Real Estate.

September 26 — Lawn mowers, forklifts & equipment, other related items & miscellaneous held at Hesston for Excel Industries, Inc. Auctioneers: Van Schmidt Auction.

September 26 — Modern oak furniture, antiques & antique furniture, collectibles, brass Great Western Railway Co. No. 8 bell, coins including Morgan & Peace silver dollars, American Eagle silver dollars, Standing Liberty halves, Mercury dimes, silver quarters, Coke items & more held at Osage City for Cheryl P. Henderson. Auctioneers: Wischropp Auctions.

September 26 — Shop equipment & farm supplies, tractor, Bobcat, pickup, trailers & more held at O-Bar Ranch in Cambridge for John Kielhorn Estate. Auctioneers: Ken Patterson Auctions.

September 26 — Restaurant Contents auction held at Salina. Auctioneers: Wilson Realty & Auction Service.

September 26 — Chrysler 300 car, shop tools, many collectibles, household & livestock equipment held near Onaga for M.B. & Lorraine Schlegel Trust. Auctioneers: Cline Real Estate & Auction, LLC.

September 26 — Vintage furniture, furniture, mower, trailer, tools, collectibles, Western-Southwest, household & miscellaneous held at McLouth for Don & Kathy Hamilton Estate & Tracy Hamilton Estate. Auctioneers: Elston Auctions.

September 26 — Shop & lawn equipment including 4710 JD w/loader & mower, 246 Cat skid steer, welders, air compressor, portable excavator, mowers, ATVs, skid steer attachments, hand tools, collectible signs & much more held at Wamego for C.R. Worthing Estate. Auctioneers: Crossroads Real Estate & Auction, LLC.

September 26 — Commercial Real Estate property with primary structure a steel frame building, secondary structure is a car wash held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

September 26 — 1985 Ford pickup, zero-turn mower, tractors & older farm equipment, horse-drawn equipment, shop items, lots & lots of antiques, collectibles & old farm items, old toys, musical instruments, appliances & household held at Gridley for 3 generations, Grimm Ranch, LLC & Sarah Grimm Trust. Auctioneers: Kurtz Auction & Realty Service.

September 26 — 1800s Conestoga Wagon, complete; Rockway Carriage, 2-2 seated buggies, rubber tire parade buggy with top, sleighs, corn wagon, buggy running gear, wagon tongue, parade draft harness, Army draft harness & more, antiques & collectibles held near Eudora for Elden (Denny) & Marilyn Lynn. Auctioneers: Thummel Real Estate & Auction, LLC.

September 26 — Real Estate (3BR ranch style home on 1 acre with shed) & riding lawn mower, pickup, buggy, furniture, collectibles, toys & household auction held at Marysville for E. Eugenie Long Trust. Auctioneers: Olmsted & Sandstrom.

September 26 — Car, tools, miscellaneous, household, antiques & more held at Cuba for Evelyn Marcella Regenscheid Estate. Auctioneers: Novak Bros. & Gieber.

September 26 — Antiques, collectibles, primitives & miscellaneous held near Solomon for Glen Cox. Auctioneers: Kretz Auction Service.

September 27 — Vintage, collectibles, antiques & small including Gem Dandy electric churn, Vendorama gumball machine, vintage phones, steel blade fans, hen on nests, metal shelving, spinning wheel, old records, Elvis Presley lunch box, Currier & Ives, Franciscan & other glassware held at Osage City for Mrs. William "Pat" Lynn. Auctioneers: Wischropp Auctions.

September 27 — Collectibles including 300+ pieces of Fenton, other glassware, enamelware & more, furniture, household & miscellaneous held at Council Grove for

Fredrick Carroll Schraeder & Laura Lee Schraeder Trust and The Late Charlie Illk. Auctioneers: Hallgren Real Estate & Auctions, LLC.

September 27 — 2010 Mercury Milan 4 door car, 1997 Ford Explorer, coins, jewelry, antiques & collectibles, collection of radios, household & lawn & garden held at Wamego for Mark Gerard Estate. Auctioneers: Gannon Real Estate & Auctions.

September 28 — Farm machinery, semi, trailers, pickup, car, mower, ATVs & miscellaneous held East of Salina for Leo Roesner Estate and Malin Tornberg. Auctioneers: Kretz Auction Service.

October 1 — 311.86 acres m/l of Native Grass Pasture sold in 2 tracts in North Lyon County held at Admire for The Wanda Spade Family, Susan Ryan & Joanne Supernois. Auctioneers: Griffin Real Estate & Auction.

October 2 & 3 — selling 10-2: Tools & miscellaneous, Polaris 4-wheeler (needs work); selling 10-3: Guns, furniture, antiques, primitives, collectibles, Williams & Weaver toy trains & train accessories, miscellaneous household held at Portis for Larry & Jane Lanus. Auctioneers: Wolters Auction & Realty.

October 3 — Tractors (1973 JD 4030, 1963 JD 4010), 1963 Ford F-600 truck, stock trailer, farm machinery, furniture & collectibles held at McPherson for Larry J. & Betty J. Krehbiel. Auctioneers: Van Schmidt Auction.

October 3 — Vehicles including 2000 Ford Windstar SE, 1997 Ford F150 XL & 1954(?) Ford Jubilee tractor, antiques, pottery, glassware, household, furniture, tools & outdoor, sewing machine & much more held at Emporia for the Estates of the Daharsh & Stiner Families. Auctioneers: Griffin Real Estate & Auction.

October 3 — Real estate including shop & vacant lots, potential building site or recreational vehicle parking pad held at Duluth for Farmers State Bank. Auctioneers: Cline Realty & Auction, LLC.

October 3 — Over 1,000 cookbooks, 100+ head vases, glassware, dolls, vintage toys, vintage cameras, furniture, Mickey Mouse & Betty Boop collections held at Holton for Agnes Wike Estate. Auctioneers: Gannon Real Estate & Auctions.

October 3 — Tractors, farm equipment, antiques, livestock & shop equipment & misc., as well as some consignments from a neighbor held at Eudora for Katherine L. Neis Estate. Online bidding available at www.LiveAuctions.com. TV. Auctioneers: Flory & Associates, Jason Flory.

October 3 — Fall consignment Auction held at Holton. Auctioneers: Harris Real Estate & Auction, LLC.

October 3 — Antiques, collectibles, home decor, 2008 Saturn Vue, 6x10' enclosed trailer held at Clay Center for Cora Lee

Griffiths & Brian Griffiths. Auctioneers: Kretz Auction Service.

October 3 — Live, Online & Phone Bidding - 223.8 acres m/l Republic County land including cropland, waterways & hay meadow held at Belleville for Walter Family Trust. Auctioneers: Midwest Land & Home, Mark Uhlik, broker & Jeff Dankenbring, broker. www.MidwestLandandHome.com

October 4 — 9 guns, IH Ind. 2500 Series A 574 diesel tractor w/front loader, stock trailer, farm items, ATVs, 2006 Harley Davidson Softtail FXST1 Screaming Eagle Standard, antiques & collectibles, including oak furniture, tools, lots of Fiesta & more held at Tecumseh for Tom Humphries. Auctioneers: Wischropp Auctions.

October 4 — Guns held at Salina. Auctioneers: Wilson Realty & Auction Service.

October 6 — House, pickup & miscellaneous held at Clay Center for Russell Schafer Estate. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

October 7 — 47 high quality firearms including Colt, AR15, Henry, Ruger & Marlin; also 84 lots of collectible coins including Morgan dollars, proof sets & many more held at Abilene for Mr. & Mrs. Steve Cook. Auctioneers: Reynolds Auction Service.

October 10 — Vehicles including 1949 Chevrolet Deluxe, 1926 Nash, 1924 Ford Model T truck, 1984 Chevrolet C30, 2005 Mercedes Benz & rotary car lift, tractor, 3 pt. equipment, construction equipment, trailers, recreational & lawn equipment, sawmill & miscellaneous held at Leavenworth for Bob & Sharon Doran. Auctioneers: Moore Auction Service, Inc., Jamie Moore.

October 10 — Consignment auction held at Salina. Auctioneers: Wilson Realty & Auction Service.

October 10 — 1,400 acres m/l of Brown County land sold in 12 tracts including cropland, farmland held at Hiawatha for Shirley Family Farms, LLC. Auctioneers: Midwest Land & Home. Online & phone bidding available. www.midwestlandandhome.com

October 10 — Judd Ranch 30th Annual Cow Power Gelbvieh, Balancer & Red Angus Female Sale held at Pomona.

October 10 & 11 — Selling 10-10: New JD Gator, woodworking shop equipment, JD riding mower & more; selling 10-11: Household, pictures, lawn set, lawn tools & more held at Abilene for Joe Nold. Auctioneers: Reynolds

Auction Service. October 11 — Colt Reolvers, JD 4020 diesel tractor w/loader, 4 Chevy trucks, car, ranch equipment, crocks, Coke items, trunks, generator, piano, camper, military, pottery, lithos & more held near Chapman for Andy Schuler Jr. Trust. Auctioneers: United Country Real Estate Crossroads Auction & Realty.

October 14 & 16 — Online Land Auction including 2,536 acres m/l of Norton County Grassland for the McKinley Ranch. Auctioneers: Vaughn-Roth Land Brokers. See vaughn-roth.com.

October 16 (rain date October 23) — Farm machinery, iron, shop tools & miscellaneous held near Herington for Duane Stroda. Auctioneers: Kretz Auction Service.

October 16 (Day 1 of 2) — Tractors & machinery, lawn & garden, tools, shop items, lots of antiques & collectibles held at Westphalia for Melvin & Fern Miller Trust. Auctioneers: Kurtz Auction & Realty Service.

October 17 (Day 2 of 2) — Household, appliances, farm toys (mostly Allis), other old toys, antiques & collectibles held at Westphalia for Melvin & Fern Miller Trust. Auctioneers: Kurtz Auction & Realty Service.

October 17 — Tractor (1969 Versatile 145), farm machinery, shop items & household held at Inman for Ron & Carolyn Stucky. Auctioneers: Van Schmidt Auction.

October 24 — Real estate including a 3-bedroom, 2-bath ranch-style home with 10.6 acres with mature trees & lots of wildlife; also selling personal property held at Elmdale for property of Dennis & Linda Koch. Auctioneers: Griffin Real Estate & Auction.

October 24 — 4 Farms - 800 acres m/l of Washington County land held at Washington for the Dwight Graham Estate. Auctioneers: Bott Realty & Auction.

October 24 — House, shop, pickups, guns, ammo, tools & miscellaneous held at Clay Center for Joe Wait Estate. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

October 27 — Fink Beef Genetics Angus & Charolais Spring Calving Dispersal Sale held at Randolph.

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

October 30 — 133.4 acres m/l of Marshall County land consisting of dry cropland, native &

tame grass, also a 2-story 4BR farm house, utility buildings & tool sheds held at Beattie for Marcia Finnigan Estate. Auctioneers: Donald Prell Realty & Auction, LLC.

October 31 — 29th Moser Ranch Bull Sale held North of Wheaton.

November 7 — 119 acres m/l of Nemaha County cropland, pasture & homestead (located NE of Baileyville) held at Seneca for Janice M. Koch and Brie J. Krogman. Auctioneers: Cline Real Estate & Auction, LLC.

November 7 — Irvine Ranch Annual Production Sale selling Simmental & SimAngus bulls & Elite Donor Females, most with fall heifer babies at side held at the ranch in Manhattan.

November 14 — 160 acres of Cloud County land held at Clyde for the Maurice C. Nutter Trust. Auctioneers: Bott Realty & Auction.

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

New reports: efforts to understanding financial costs of climate risks

Recently the climate-related market risk subcommittee of the Commodity Futures Trading Commission's Market Risk Advisory Committee released a report, which presents 53 recommendations to mitigate risks to financial markets posed by climate change.

The report's executive summary stated, "Achieving this goal calls for strengthening regulators' capabilities, expertise and data and tools to better monitor, analyze and quantify climate risks. It calls for working closely with the private sector to ensure that financial institutions and market participants do the same, and it calls for policy and regulatory choices that are flexible, open-ended and adaptable to new information about climate change and its risks, based on close and iterative dialogue with the private sector."

Additionally, the Environmental Defense Fund released a report that not only details what they believe to be the risks agricultural lenders face from climate change but also points out the opportunities that financial institutions have to support the long-term profitability of those who work the land.

MARY FLICKINGER ESTATE ONLINE AUCTION

ONLINE AUCTION - Sterling, Kansas
Selling 300+ lots: Sad & collectible elec. irons, Oak 8' showcase, Sawed oak buffet, 1920's-1990's National Geographics, Glassware, Handstitched quilts, Area Artists' water colors, household items, shop tools, Misc collectibles.

BIDDING OPENS Thursday, September 24, 8:00 AM
Bidding Soft Closes Wednesday, September 30, 8:00 PM
Pickup by Appointment Only: Friday, October 2 • 1:00-7:00 p.m.

Auction & BIDDING Information available at:
<https://hollingerauction.hibid.com/auctions/current>

HOLLINGER ONLINE AUCTIONS, Lyons, KS — Jim & Mary 620-257-8148

WAGONS, BUGGY & ANTIQUE AUCTION

SATURDAY, SEPTEMBER 26, 2020 — 9:00 AM
Auction will be held at the farm 2196 N. 600 Road, EUDORA, KS (7 miles South of K-10 Highway Eudora, on Co. Road 1061 or Church Street to 600 N & E. 2200 Road)

CONESTOGA WAGON, BUGGYS, HORSE EQUIP.
Sells at 12:00 noon

1800s CONESTOGA WAGON COMPLETE (this wagon came to this area in the late 1800s with the pioneers that settled in the area. It has been owned by 2 families).
ROCKWAY CARRIAGE; 2-2 SEATED BUGGIES; RUBBER TIRE PARADE BUGGY W/TOP; 4 sleighs; corn wagon (good wheels & running gear); buggy running gear; wagon tongue; buggy shafts single & double; parade draft harness; Army draft harness; horse collar; 1 & 2 row planters; 6' iron wheel drill; 5' sickle mowers; dump rakes; 2 row cultivators; several walking plows; walking Junior cultivator; Royal Road Blade grader

(from Monticello Township 1905); dirt slip; 2 row listers; sleigh parts; stock bundle; clamp on sleigh runners for buggy.

ANTIQUES & COLLECTIBLES
Forge; 3 corn shellers on stands; 3 clamp on shellers; assortment butter churns inc: tin, round wood; large assortment horse bits; forge tools; gatherer scythe; pedal grinder; wagon tools; tin seats; draw knife; egg baskets; sleds; cow skull; assortment pitchers; air pumps; ox yoke; scythes; lunch pail; ice & log tongs; 2 flat top trunks; wooden leather clamp; branding irons; carriage lights; wagon jacks; kerosene cans; oil lamps; bull blinders; calf muzzles; dehorners; milk stations; cow neck yoke; cow kickers; hay knives; barn hay

forks; single & double tree's; assortment signs; crocks inc: 6 & 10 Red Wing, 20 Buckeye, 5 gal jugs, others; barn beam drill; porcelain pans; oak wall telephone; rotary telephones; well pulleys; platform scales; milk scales; eveners; milk cans; milking machine; milk buckets; milk stools; strainers; cream separator w/book; 3, 4 & 5 tine forks; wooden fork; lanterns; hand washing machine; copper wash tub; pitcher pump; lard press; 1 & 2 man saws; bottles; meat saws & grinders; sausage stuffer; street lamp shades; car tags; old tools; hay hooks; horse shoes; wood boxes; spoke shavers; harness vise; large assortment of other items.

Concessions by Eudora FFA. NOTE: This is a large auction. The Lynn's have collected for years. There are many unusual items, check our website for pictures www.thummel.com Please bring your masks. If you are not feeling good, please call in your bids to 785-738-0067. There is no buyers fee or sales tax. Also check our website to make sure we don't have to postpone the auction again.

ELDEN (DENNY) & MARILYN LYNN

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

LAND AUCTION!

The McKinley Ranch

2,536 +/- Acres of Norton County, Kansas Grass!

Selling Via Online Auction in 2 Tracts

October 14th & 16th, 2020.

Call Cameron Roth at (785) 917-0867

for more information.



(620) 888-3040
408 Neosho St., Burlington, KS

VAUGHNROTH.COM



Carhartt Cowboy

Mr. Moses remarked the other day he'd received a catalog in the mail from a western clothing outfit. He wasn't sure who the outfit catered to, but the name 'Long Island' seemed to stick in his mind.

The photo on the front had burned an image into his brain. A male model stood in cowboy posture, a Clint Eastwood steely-eyed glare glinting from beneath the brim of his Zorro hat.

It appeared that moths had eaten the collar off his shirt. He wore a duster that was sort of a cross between Jim Bridger's old trapping coat and Santa Anna's parade uniform. Mr. Moses guessed it weighed more than a wet hallway carpet. There was an odd collection of gold chains, buttons, military pins, silver boot toe tips, training spurs and epaulettes decorating his wardrobe. He looked like a Korean general just returned from a Rotarians' convention.

himself dressed like the cowboy on the cover of the catalogue, jangling out to feed the cows and break ice. Him hangin' his giant rowel and jingle bob on the twine as he kicked a bale off the back of the flatbed. Being jerked flat into the muddy rut, cows tromping giant footprints on the tail of his coat, the dog running off with his pancake hat. Then rising, sodden and trudging off rattling and clanging like a Moroccan bride with a limp.

Mr. Moses imagined meeting future food, fiber, fuel, feed and climate demands. Some of the benchmarks include: Agricultural Productivity: Increase agricultural production by 40% by 2050 to do our part to meet estimated future demand.

cover measures his time in the winter by the bottles of brandy he goes through lacing his evening café au lait, or possibly the edge of the sun rays on the floor of his glassed-in sun room. Certainly it would not be the amount of mud built up in the wheel wells of his Lexus.

USDA seeks input on ready-to-go technologies and practices for Agriculture Innovation Agenda

To further the United States Department of Agriculture's (USDA) work on the Agriculture Innovation Agenda (AIA), USDA has announced it is seeking public- and private-sector input on the most innovative technologies and practices that can be readily deployed across U.S. agriculture.

leads USDA's Farm Production and Conservation mission area. "We want to keep the momentum. As part of our Agriculture Innovation Agenda, USDA wants to continue helping farmers access new approaches."

A ready-to-go practice, technology or management approach includes those that are fully developed, have been field tested and have completed independent research trials.

ilar paths to success. Background on USDA's Agriculture Innovation Agenda:

meeting future food, fiber, fuel, feed and climate demands. Some of the benchmarks include:

newable energy benefits for the economy and capitalize on innovative technologies and practices to achieve net reduction of the agricultural sector's current carbon footprint by 2050 without regulatory overreach.

USDA is looking for ready-to-go technologies and practices to achieve its goal of increasing agricultural production by 40% to meet global population needs in 2050 while cutting U.S. agriculture's environmental footprint in half.

To help identify and accelerate adoption of ready-to-go innovations, USDA is currently accepting public comments and written stakeholder input through its Request for Information (RFI) through November 9, 2020, which is published on the Federal Register.

Based on stakeholder input from the RFI, USDA will develop a comprehensive U.S. agriculture innovation technology strategy for our customer-facing programs.

The AIA is comprised of four main components. The first component is to develop a U.S. agriculture innovation strategy that aligns and synchronizes public- and private-sector research. The second component is to align the work of our customer-facing agencies and integrate innovative technologies and practices into USDA programs. The third component is to conduct a review of USDA productivity and conservation data. USDA already closely tracks data on yield, but on the environmental side, there's some catching up to do. Finally, USDA has set benchmarks to improve accountability. These targets will help measure progress toward

Forest Management: Build landscape resiliency by investing in active forest management and forest restoration through increased Shared Stewardship Agreements with states.

Water Quality: Reduce nutrient loss by 30% nationally by 2050.

"Across America, we have seen significant advances in agricultural production efficiency and conservation performance during the past two decades," said Under Secretary Bill Northey, who

Input is welcome from the private sector, not-for-profits, farmers, forest sector, trade associations, commodity boards and others involved in the supply chain or development of widely applicable practices, management approaches or technolo-

USDA has launched a new AIA website where visitors can access information on the latest research and data, innovative conservation technologies offered via USDA programs, and other conservation resources. Visitors can also stay up to date on USDA's accountability metrics and learn about the experiences of producers who share sim-

Food loss and waste: Advance our work toward the goal of reducing food loss and waste by 50% in the United States by the year 2030.

Renewable Energy: Increase the production of renewable energy feedstocks and set a goal to increase biofuel production efficiency and competitiveness to achieve market-driven blend rates of 15% of transportation fuels in 2030 and 30% of transportation fuels by 2050.

Carbon Sequestration and Greenhouse Gas: Enhance carbon sequestration through soil health and forestry, leverage the agricultural sector's re-

View the RFI on the Federal Register. For more information about the Agriculture Innovation Agenda, please visit www.usda.gov/aia.

Farmers & Ranchers AUCTIONS EVERY MONDAY & THURSDAY

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

RECEIPTS FOR THE WEEK: 3,028 CATTLE & 95 HOGS.

STEERS					
400-500	\$160.00 - \$171.50	3 blk	Lindsborg	525@147.00	
500-600	\$154.00 - \$164.75	12 mix	Longford	638@146.00	
600-700	\$145.00 - \$157.00	5 blk	Galva	558@145.00	
700-800	\$135.00 - \$146.00	12 mix	Hillsboro	660@144.25	
800-900	\$136.00 - \$145.00	3 blk	Lyon	652@143.50	
900-1,000	\$130.00 - \$141.00	6 blk	Salina	641@142.00	
		4 blk	Hillsboro	600@142.00	
		15 Char	Assaria	758@142.00	
		17 blk	Clay Center	720@141.25	
		7 blk	Newton	620@141.25	
		11 mix	Longford	591@141.25	
		4 blk	Junction City	754@140.00	
		4 blk	Salina	671@139.00	
		90 blk	McPherson	693@139.00	
		68 blk	McPherson	765@138.75	
		4 blk	Longford	729@138.50	
		10 mix	Hillsboro	701@138.00	
		6 blk	Gypsum	753@138.00	
		13 blk	Marion	788@137.50	
		3 blk	Longford	737@137.00	
		3 blk	Salina	712@137.00	
		5 blk	Newton	721@137.00	
		40 mix	McPherson	731@136.75	
		21 mix	Hope	792@136.50	
		59 mix	McPherson	839@135.85	
		34 blk	Salina	783@135.50	
		58 blk	Hillsboro	790@135.00	
		10 blk	Junction City	871@134.50	
		11 blk	Assaria	767@132.00	
		17 blk	Haven	782@131.75	
		58 blk	McPherson	916@131.00	
		15 blk	Assaria	856@129.00	
		4 blk	Gypsum	921@127.50	

THURSDAY, SEPTEMBER 17, 2020:

STEERS					
12 mix	Brookville	460@171.50			
19 mix	Brookville	529@164.75			
9 mix	Clay Center	590@164.50			
17 mix	Longford	587@162.50			
2 blk	Galva	545@161.00			
2 blk	Hutchinson	610@157.00			
10 blk	Galva	638@155.00			
8 blk	Clay Center	679@155.00			
20 blk	Longford	653@150.25			
24 blk	Longford	729@147.50			
9 mix	Newton	701@146.00			
8 Char	Assaria	716@146.00			
25 mix	Minneapolis	754@145.50			
10 mix	Clay Center	744@145.00			
62 mix	Assaria	802@145.00			
9 blk	Junction City	748@145.00			
4 Char	Assaria	828@144.00			
19 blk	Newton	852@142.50			
39 mix	Minneapolis	829@142.25			
41 blk	Hope	876@142.00			
12 blk	Clay Center	815@141.25			
9 blk	Junction City	911@141.00			
57 mix	Hope	900@141.00			
49 mix	New Cambria	874@140.75			
36 mix	McPherson	811@140.25			
65 blk	Kanopolis	892@140.00			
60 blk	Hope	926@139.00			
57 blk	Abilene	923@138.50			
60 blk	Ada	897@137.50			
58 mix	Kanopolis	901@137.00			
55 blk	Kanopolis	978@136.75			
53 mix	Abilene	1012@131.75			

THURSDAY, SEPTEMBER 14, 2020:

HOGS					
4 fats	Abilene	270@34.00			
2 fats	Abilene	313@33.00			
5 fats	Olsburg	260@30.00			
7 fats	Hope	286@30.00			
2 sows	Esbon	633@27.50			
1 sow	Esbon	575@26.00			
2 sows	Abilene	483@23.00			
1 sow	Hays	540@22.50			
1 sow	Abilene	490@22.00			
1 sow	Abilene	520@21.50			
2 sows	Abilene	505@20.50			

CALVES					
1 red	Gypsum	225@460.00			
2 blk	Culver	260@450.00			
3 blk	Salina	260@450.00			
3 blk	Salina	222@435.00			
1 red	Gypsum	200@400.00			
3 blk	Salina	190@400.00			
1 bwf	Tampa	90@310.00			

HEIFERS					
4 blk	Abilene	436@162.00			
4 mix	Minneapolis	406@156.00			
4 blk	Galva	516@150.00			

IN STOCK TODAY:

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

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211
MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY
 Hogs sell at 10:30 a.m. *on the 2nd & 4th Monday of the month.*
 Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD
 For a complete list of cattle for all sales check out our website www.fandrive.com

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

BUTCHER COWS		BUTCHER BULLS	
1 blk	Barnard	1835@75.00	1 blk Little River 2250@98.00
1 blk	Hutchinson	1450@73.00	1 blk Hillsboro 1920@97.00
2 mix	Salina	1305@72.00	1 blk Brookville 2315@96.00
1 blk	Alma	1295@72.00	1 blk Salina 1940@95.00
1 red	Abilene	1340@72.00	1 red Delavan 2010@94.00
1 red	Abilene	1535@71.50	1 blk Gypsum 1855@94.00
4 Char	Clafin	1431@71.00	1 blk Marquette 1835@93.00
1 red	Gypsum	1200@71.00	1 blk Little River 2550@92.50
1 blk	Abilene	1545@70.00	1 blk Kanopolis 1995@92.00
1 red	Hillsboro	1340@69.50	
1 red	Gypsum	1170@69.00	
2 blk	Hutchinson	1510@69.00	
2 blk	El Dorado	1360@68.50	

FALL CLASSIC CATALOG HORSE SALE
OCTOBER 9-11, 2020.
FRIDAY, OCTOBER 9TH
 8 am: 3 yr old Futurity * 1 pm: Preview * 6 pm Ranch Horse Competition
SATURDAY, OCTOBER 10TH
 7:30-9:30am: Short preview * Sale starts 10am * 100+ Riding horses
SUNDAY, OCTOBER 11TH
 Sale starts 10 am * 225 Yearling and Weanlings
 All eligible for the F & R Futurity as a 3 yr old

EARLY CONSIGNMENTS FOR THURSDAY, SEPTEMBER 24, 2020
 * 180 Blk strs 700-800 lbs. Home raised Long weaned, vaccinated, native/off grass.
 * 40 Strs 550-650 Weaned, 2nd round vaccines. Bunk broke.
 * 120 Blk Strs 825-875 off grass
PLUS MORE BY SALE TIME.

UPCOMING SPECIAL SALES:
 All Sales are on Tuesday at 11 AM

SPECIAL CALF SALES:
 Tuesday, Oct. 27 • Tuesday, Nov. 3
 Tuesday, Nov. 10

COW SALES:
 Tuesday, Oct. 20 • Tuesday, Nov. 17
 Tuesday, Dec. 15

WEANED/VACC. SALES:
 Tuesday, Dec. 1 • Tuesday, Jan. 5
 Tuesday, Feb. 2

BUFFALO SALE: Saturday, December 5, 11 AM