

Beef industry contributes significantly to societal, economic fabric of Kansas Many products get pub-

licity and special recognition during the year. But in Kansas, if any product deserves its own month, it's beef. That is why Kansas governor Laura Kelly has declared May as Beef Month in the state. This declaration makes the 35th consecutive year beef has received this honor.

According to Kevin Thielen, executive director of the Kansas Beef Council, the value of beef to the economy and social fabric of the state is remarkable. "With more than 6.35 million cattle on ranches and in feedyards in the state, Kansas ranks third in the country," says Thielen. "That's more than twice the state's human population. Kansas cattle producers are proud of the nutritious, delicious beef they help bring to tables in this state, across the country and around the world."

Kansas has about 46 million acres of farm ground. Not all of this land can be used to grow crops, however. Grazing cattle is an ideal technique for efficiently utilizing grass-



Celebrating the proclamation of May as Beef Month were, from left: Arturo, Wrenn, Ross, and Leo Pacheco, Governor Laura Kelly, Jill, Emily, and Isaac Carr and Shirley Acedo.

es and plants growing on nearly 15 million acres of Kansas pasture and rangeland. These acres would be wasted if not for ruminants like cattle that can turn these resources into essential protein and nutrients for humans.

Kansas ranked second in fed cattle marketed, with 4.9 million in 2017. Beef cattle and calves represented 52.8% of the 2017 Kansas agricultural cash receipts.

The effect of the beef industry on employment is significant as well. According to the American Meat Institute, Kansas companies that produce, process, distribute and sell meat and poultry products employ as many as 19,502 people, while generating an additional 48,070 jobs in supplier and associated industries. These include jobs in companies supplying goods and services to manufacturers, distributors and retailers, as well as those depending on sales to workers in the meat industry.

The product they help bring to market is one that contributes substantially to the human diet. Lean beef provides ten essential nutrients, including zinc, iron, protein and B vitamins. It does all this for only 170 calories per threeounce serving. In fact, a serving of beef provides the same amount of protein as two servings (1¹/₂ cups) of cooked black beans which have 341 calories.

Kansas ranchers and feeders are committed to producing beef responsibly and sustainably, Thielen says. But beef production refined over many generations is only part of the story. Producers also keep consumer needs and wants top of mind.

"While all aspects of beef raising and processing are important, producing beef that is delicious, safe. wholesome and nutritious is 'job one' for our industry," Thielen says. "After all, producers of beef are also consumers of the beef they produce. They're proud of their role in supplying this terrific food that so many people enjoy."

Kansas legislators, congressmen get "A Day at the Ranch"

Kansas legislators and U.S. congressmen attended the "A Day at the Ranch" tour April 27 in Greenwood County. They were joined by industry leaders representing numerous facets of Kansas agriculture and received a firsthand look into how farmers and ranchers produce the food they consume daily.

With today's consumers being further and further removed from agriculture,

consumers have about how their food is raised," said Jamie Lindamood. "What an awesome opportunity!"

Upon boarding the tour bus, the group heard from Natural Resources Conservation Service (NRCS) area range specialist Luke Westerman about the history and geologic makeup of the native tallgrass prairie in the Kansas Flint Hills. The first stop was hosted by Jack and Becky Lindamood at Lindamood Ranch near Quincy, where the discussion turned to crop and hay production. Participants had the opportunity to see and touch samples of various crops. In addition, they were able to climb through tractors, a no-till planter, a combine and hay equipment as they saw a chronological illustration of how seeds become feed and feed becomes food.



On April 27 a contingent of elected officials had the opportunity to spend a day touring Greenwood County ranches, learning about how food is produced along with such topics as no-till farming and prescribed burns.

knowledge of food production is on the decline. This realization led Greenwood County ranchers and the Greenwood County Cattlewomen to organize the annual educational event four years ago for Wichita consumers. This was the first year the tour focused on legislators. Jamie and Diltz Lindamood and Matt and Amy Perrier, all of Eureka, lead the tour each year, with help from numerous volunteers.

"In just a few hours we get to show off the beautiful Flint Hills, talk about what takes place on farms and ranches and answer all the pressing questions

Following a beef lunch, the group watched as the Lindamood Ranch crew lit a prescribed burn in a nearby pasture. This fostered a discussion about the value of pasture burning for effective range management. Smoke management also was highlighted as attention was called to the many factors that must be considered when making burning decisions.

The next stop took attendees to Dalebanks Angus near Eureka. This seedstock operation is owned by the Perrier family. While cows were being taken through a chute, attendees heard from Matt Perrier about how effective vaccination protocols can reduce the need for antibiotics in beef production,

but not eliminate them. He also highlighted Beef Quality Assurance procedures used on the ranch. In addition, participants were able to watch the Dalebanks ranch crew vaccinate calves and take blood samples for parentage testing.

"Much of the work done on Kansas farms and ranches is a family affair, and today was no different, with the crew being a mix of kids and adults. Ranchers and farmers are proud they can efficiently feed the world - often while working alongside three generations of family," said Matt Perrier. "I believe this wonderful story is something that today's guests – all consumers consider really special."

A major sponsor of the event was the Kansas Agricultural Alliance, which includes Kansas Agribusiness Retailers Association, Kansas Association of Conservation Districts, Kansas Cooperative Council, Kansas Corn Growers Association, Kansas Dairy Association, Kansas Electric Cooperatives, Kansas Farm Bureau, Kansas Grain & Feed Association, Kansas

Grain Sorghum Producers Association, Kansas Livestock Association, Kansas Pork Association, Kansas Soybean Association, Kansas Wheat, Kansas Veterinary Medical Association and Renew Kansas. Additional sponsors were Cargill, Citizens State Bank, Dairy Farmers of America, Dalebanks Angus, Eberly Farm, Flyin' 3 Veterinary Service, Hildebrand Farms Dairy, Lindamood Ranch, the Kansas Beef Council, Kansas State University Research and Extension, Krehbiel Architecture and NRCS.

USDA releases report on rural broadband and Next Generation Precision Agriculture

Agriculture Secretary Sonny Perdue recently unveiled a groundbreaking report, A Case for Rural Broadband: Insights on Rural Broadband Infrastructure and Next Generation Precision Agriculture Technologies. The report finds that deployment of both broadband e-Connectivity and Next Generation Precision Agriculture Technology on farms and ranches throughout the U.S. could result in at least \$47 billion in national economic benefits every year.

"Broadband and Next Generation Precision Agriculture are critical components for creating vital access to world-class resources, tools and opportunity for America's farmers, ranchers, foresters and

producers," Perdue said. "Under the leadership of President Trump, USDA is committed to doing our part to clear the way for nationwide broadband connectivity that will allow the next generation of precision agriculture technologies to thrive and expand."

The report also finds that if broadband infrastructure and digital technologies at scale were available at a level that meets estimated producer demand, the U.S. economy could realize benefits equivalent to nearly 18 percent of total agriculture production. Of that 18 percent, more than one-third is dependent on broadband e-Connectivity, equivalent to at least \$18 billion in annual economic benefits that only highspeed, reliable internet can provide.

For many years, USDA and the American agriculture industry have been actively researching the feasibility, usage and potential upside of Next Generation Precision Agriculture technologies. Until now though, the interdependency of these technologies and broadband e-Connectivity has not been evaluated. The report explores this symbiotic relationship and quantifies the potential economic benefit of broadband buildout and the complementary adoption of connected agriculture technologies. Going forward, the U.S. Department of Agriculture (USDA) will be engaged in multiple facets of infrastructure and

technology deployment, including financing rural capital investments and supporting producers who are exploring which Next Generation Precision Agriculture Technologies are best suited to improve their operations and serve their customers.

In April 2017, President Trump established the Interagency Task Force on Agriculture and Rural Prosperity to identify legislative, regulatory and policy changes that could promote agriculture and prosperity in rural communities. In January 2018, Perdue presented the Task Force's findings to President Trump. These findings included 31 recommendations to align the federal government with state

local and tribal governments to take advantage of opportunities that exist in rural America. The Report identified Achieving e-Connectivity in Rural America as a cornerstone recommendation. The Administration has been executing this priority call to action through the American Broadband Initiative, which reflects rural broadband build-out as one of President Trump's directives to the federal government. A Case for Rural Broadband: Insights on Rural Broadband Infrastructure and Next Generation Precision Agriculture Technologies opens the next chapter in the US-DA's response to this call to action.



A Legacy of Friends

By Glenn Brunkow, Pottawatomie County farmer and rancher

It was just a pen, a simple ballpoint pen, but it brought me to my knees. We were working cattle, and someone asked me if I had a pen to write down the numbers and keep notes. I rummaged through my console and at the bottom I found a single, dusty, forgotten pen. The pen is nothing spectacular. It simply had the word "Glenn" on it with a phone number.

Earlier in the week I had gotten an e-mail that my friend Jill Casten had passed away from cancer. You don't expect someone like Jill to be gone. Even though you know it is coming, it is still a shock. She was one of the brightest stars in the Kansas Farm Bureau sky. Things had been busy, and I guess the totality hadn't hit me until I found the pen.

Jill gave me that pen. One day in the hallway she found me and presented me with it. She explained that when she stayed at a hotel with the name of a friend, she always kept something from it to give to that friend. I remember joking with her and asked how often that happened. I asked if she had many friends by the name of Hilton or Marriot.

COWPOKES® By Ace Reid

"Oh that tearin', scrapin' and pullin' didn't bother me - it wuz that swallern' my chewin' tobacco that wuz awful!"

I also remember coming away feeling like I mattered to Jill. For her to think of me meant the world. I am sure she was busy on that trip and had many more important things to be thinking of than me. That is how most of us would have thought, but not Jill. No, Jill was always thinking of others and cultivating relationships. She had this special talent, and everyone in her life felt like they mattered.

Even then, covered in the grime of working cattle, in the middle of my dusty truck, I smiled, touched again by the simple effort she made to let me know I mattered. That was why she was so effective as a leader and as a trainer. She modeled all the traits of a great leader.

I am saddened that I will never again see my friend or learn what it is to be a leader and an advocate from her. For that, I owe her a great deal. However, I am uplifted at the thought of who Jill Casten was and what I learned from her. Jill taught me to value relationships, to live in the moment, savor friends and family and to make the world around me a more welcoming place.

All of us who knew Jill experienced a great loss, and it will take time to heal that wound. We must take solace in knowing that we can live by the example she gave us. The legacy of Jill Casten will live on through the vast network of friends she collected. Godspeed my friend, until we meet again.

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



It was a Monday and it was rainy and wet, so it had those things going against it from the start. I must admit that I am not usually into the whole thought process of Mondays being bad days, but it does seem to work out that way often. However, I was determined that this Monday was not going to get me down.

Sure, the fact that I did not have my corn planting done and the idea of it raining every day for the foreseeable future could very well have had me in a funk, but I wasn't going to let it happen. I still had some electric fence to roll up, the mineral feeders to get out to the cows and the last few cows to get out to grass. I had things to do and bad days just weren't an option. Dad and I started rolling up fence and we were on fire, well, not literally, at least not yet. I don't know exactly how much electric fence we had to roll up, but it was a good amount. We started out early in the morning after chores and by 10:00 we were rolling up the last stretch. It was then that I mentioned to him that we should be able to get the mineral feeders out to the cows before lunch. That was when Monday hit. We were about halfway home when the side by side started to splutter. I knew it wasn't out of gas because I had just filled it (this will become an important piece of information). Suddenly it died. As I tried to start it Dad brought to my attention the white smoke coming up from the space between the bed and the cab. I don't often move very fast, but this was the exception. By the time I had exited the vehicle and started to unlatch the bed the smoke turned from white to black. For those of you who might not know, that is a bad sign. Dad and I flipped the bed up, no easy task with a load of fence posts, wire, battery and fencer in the bed. At that very moment one of the EMT supervisors stopped (I failed to mention we were approaching the intersection with the highway) and called 911 before running up with a fire extinguisher. That was when I thought maybe it wouldn't be so bad, a burned wire or two.

did knock it down. The EMT gave me a ride to my house for the pickup and the pressurized water tank we carry on the combine. At that very point I thought we would still be okay. I got the pickup and was about to turn into Dad's to get the water when I saw the big black cloud rise in the sky. I didn't bother turning in, I knew no amount of water was going help then. My thoughts then turned to Dad, whom I had left to answer questions back at the scene. I rushed over the hill to see Dad a safe distance away and the side by side fully engulfed in flames. At that point I did what I could do and called my insurance agent and a wrecker and waited for the fire department. I have never had anything burn up before and I hope I never have it happen again. It was a helpless feeling. The fire department showed up and hosed down the remaining fire, mainly the tires at this point. The wrecker showed up about the same time and soon we had the smoldering hunk of remains on the truck. The very gracious firemen helped me clean up the remaining mess and load up the fence posts. One of them commented that at least I salvaged them, I agreed, it is the small victories that you take at times like this. So, there I was, it was about 11:30, I had just survived a fire. As I got back to the house and took a picture of the title for my insurance agent I reflected on the last couple of hours. We had survived, only the side by side, three spools of fence wire, a fencer, battery and my favorite fencing pliers had been hurt. The claim was already in process, the carcass was hauled off and a new side by side was on its way out after lunch. The day ended with me getting the last of the cows out to pasture – the last three pairs right as the thunderstorm was rolling in. I got the truck and trailer stuck but we unhooked the trailer and got the truck out. Remember in times like this it is the little victories that count. I guess all in all it was a productive Monday with a little tragedy sandwiched in the middle and bad luck sprinkled on top. Who says Mondays are all bad? It could have been worse.



This week I've been working on a story about mental health in the agriculture sector. My intention had been to run it this week, but the more interviews and research I did, it was clear I needed more time. It's too important of a topic to rush. The statistics I've found are sobering – a 2018 report by the Center for Disease Control indicated that suicide rates in Kansas were up 45% between 1999 and 2016. The least populated counties had the highest rates of suicides – 25.9 per 100,000 people, while the statewide rate is 17.8 per 100,000.

The least populated counties – to me that says "rural." These are my people... and your people. They are faces, not just numbers. They were loved, they were needed... and they were desperate. A study by the University of Iowa found that between 1992 and 2010, the suicide rate among farmers and ranchers was 3.5 times greater than the general population.

I doubt if there are very many of us who have not been touched by suicide at some point in our lives. When it happens, we nearly always look back and realize there were comments made that somehow just didn't strike us as a sign until after it was too late. Suddenly, it's so clear that yes, it was a sign. And we missed it. Then comes the guilt – that heavy, soul-crushing guilt. Was there something we could have said? Something we could have done?

Our ag producers are under an enormous amount of stress right now. Along with the low commodity prices, trade war and steep declines in net farm income, they have also had to deal with widespread extreme weather events. It's like the hits just keep coming, and not one of the things on that list is within their control. Circumstances have dug holes that no amount of hard work can get them out of.

We have to be there for each other now in ways our strong, independent natures sometimes cause us to resist. Sharing our burdens doesn't make us weak, it makes us human. And shouldering each other's burdens can make us all a little stronger.

Beyond the support of family, friends and neighbors, there are other resources out there. I'll talk more in-depth about them in my story next week, but in case they are needed now, among them are the Kansas Agriculture Mediation Service at 1-800-321-3276(FARM); The National Suicide Prevention Lifeline at 1-800-273-8255; or 1-800-FARM-AID.

However dark, bleak and challenging things seem right now, please hold on. Reach out to someone and don't try to face it on your own. You are loved, you are needed, and you are not alone.

New national poll shows impacts of rural economy on farmer mental health

A strong majority of farmers and farmworkers say financial issues, farm or business problems and fear of losing the farm impact farmers' mental health, according to a new national Morning Consult research poll.

Sponsored by the American Farm Bureau Federation in recognition of May as Mental Health Month, the poll surveyed rural adults and farmers/farmworkers to better understand factors affecting the mental health of farmers, availability of resources, perceptions of stigma, personal experiences with mental health challenges and other relevant issues.

"We all know how stressful farm life can be, and things are even tougher now because of the farm economy. More of us are affected, either directly or by having a friend or family member in distress. This poll proves what we already knew anecdotally: rural America is hurting not just economically but also emotionally," AFBF

president Zippy Duvall said. "Even as the rest of the economy has boomed, farmers and ranchers are in year six of a widespread commodity-price slump. We can and must do more to address farmer stress and mental health issues in rural America."

Farmers and farmworkers surveyed said financial issues (91%), farm or business problems (88%) and fear of losing the farm (87%) impact farmers' mental health. Other factors included stress, weather, the economy, isolation and social stigma.

A strong majority of rural adults (91%) said mental health is important to them and/or their family, while 82% of farmers/farmworkers said the same. Polling found that a majority of rural adults have either personally sought care (31%) or have a family member (24%) who has sought care for a mental health condition reduce stigma about mental health in the agriculture community, while two in three farmers/farmworkers (66%) said the same.

Large majorities of rural Americans polled agreed that cost, social stigma and embarrassment would make it harder for them to seek help or treatment for mental health conditions.

Highlighting the need for awareness and training, the survey showed that farmers and farmworkers are less likely than rural adults in general to be confident that they would be able to spot the warning signs of a mental health condition (55% versus 73%).

Farm Bureau is advocating for programs that provide America's farmers and ranchers with critical support and mental health resources and is urging Congress to fund \$10 million for the Farm and Ranch Stress Assistance Network, the level authorized in the 2018 farm bill.

The extinguisher was quickly out, and it did not put the fire out, but it

dition.

Three in four rural adults (75%) said it's important to





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Economic analysis: grain exports offer billions in benefits beyond the farm

A new study shows access to international export markets for U.S. grains supported nearly \$38 billion in business sales in the U.S. economy during 2016 beyond the value of the products themselves

The analysis commissioned by the U.S. Grains Council (USGC) and the National Corn Growers Association (NCGA) found a total economic impact of U.S. grains exports of \$55 billion that year, supporting 271,000 jobs directly or indirectly. These sales supported U.S. gross domestic product (GDP) by \$19 billion over what would have occurred without such exports

The analysis dives deep into the benefits to farmers, rural communities and the nation as a whole derived from overseas sales driven by strong trade policy and robust in-country market development for grains and grains products.

"Every sale counts for farmers, especially in this market, and this analysis shows just how much the grain sector is supported by regular and growing purchases from our overseas customers," said Jim Stitzlein, the Council's chairman. "These numbers out today take the analysis one step further to look at the whole economy, in our rural and farm communities but also in cities where people have jobs transporting, processing and shipping ag products."

Informa Agribusiness Consulting conducted the study, which examined the economic contributions to each state and 52 congressional districts from exports of corn, barley, sorghum, ethanol, distiller's dried grains with solubles (DDGS), corn gluten feed and meal as well as the corn equivalent of meat on the U.S. economy. The new study is an update to similar research done with 2014 and 2015 data, showing similar results.

Breaking down the numbers, these results showed every \$1 of grain exports supported an additional \$2.20 in business sales. Every job directly created by the export of grain and grain products supported an additional 3.9 jobs in the United States.

These indirect and induced business activities extend well beyond the agricultural industry, including the wholesale trade, real estate, oil and natural gas and service sectors.

"While corn growers can see first-hand the value our product provides to our local communities, this study demonstrates the positive economic impact we provide beyond our fields. Breaking the data down into individual states and Congressional districts will help us better inform legislators as we advocate for new market opportunities for U.S. corn," said NCGA president Lynn Chrisp.

National workshop explores challenges and opportunities for enhancing the climate resilience of agriculture

By Monica Jean, Michigan State University Extension, and Julie Doll, W.K. Kellogg Biological Station

I recently overheard a graduate student say she decided to pursue a Ph.D. in agriculture because of its potential to deliver climate change solutions. "Agriculture is the silver bullet for climate change," explained the student, "because of its carbon sequestration capabilities." While a silver bullet solution to climate change would be nice, in fact, it will require significant changes throughout our society-not just agriculture-to achieve meaningful reductions in greenhouse gas levels in the atmosphere. This multi-sector approach is more like "silver buckshot" than a silver bullet.

Agriculture does offer unique climate change solutions, particularly through biological carbon sequestration. However, there are challenges to realizing this potential. Agricultural advisors, such as Extension educators and crop consultants, are working at the front lines of these challenges.

Conservation practices that offer "win-win" and "no-regrets" adaptation options for farmers often can help mitigate climate change. These practices, such as reduced tillage, cover crops and perennial plantings, help to reduce climate risk on the farm. Coupled with diversification of production and marketing, these practices have the potential to enhance the resilience of agricultural businesses and the communities they serve through improvements in soil and water quality, increased biodiversity and other climate-friendly co-benefits.

Despite documented benefits of these practices, producer adoption remains low in many regions of the U.S. Farmer advisors, including Extension, agency and private sector consultants, are uniquely positioned to help crop and livestock producers reduce risks and capture new opportunities through conservation-based, climate-resilient mitigation and adaptation strategies. As trusted sources of information, advisors can help farmers identify new weather-related challenges, plan adaptive responses and advocate for increased public and private investments in agricultural climate solutions.

But there is much more to learn, which led me and Julie Doll, education and outreach coordinator at the W.K. Kellogg Biological Station, to form a working group to address this topic at the National Adaptation Forum in Madison, Wisconsin, held April 23-25, 2019. The group includes members of Michigan State University (MSU) and MSU Extension, Purdue Extension, South Dakota State Extension, USDA Natural Resources Conservation Services, Michigan Agribusiness Association and an adaptation expert from Cultivating Resilience, LLC.

What kinds of changes to agriculture are needed to realize the potential of agricultural climate solutions and who will determine how best to achieve these changes? Will these changes be imposed on farmers and ranchers from those outside of agriculture, or will the agricultural community embrace the development of climate change solutions? How can agricultural technical advisors promote a transition to more climate resilient agricultural systems? These are just some of the questions that were discussed at the MSU-led workshop, Agricultural Adaptation for Climate Resilience: Challenges and Opportunities for Technical Advisors.

The workshop brought together farmer advisors and adaptation specialists to explore barriers and opportunities for

reducing climate risk and enhancing the climate resilience of their clientele's businesses, while delivering climate solutions to society.

Page 3

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osis Symposi KSU to host um May 20 Anaplasm

K-State's College of Veterinary Medicine will host its second Symposium on Anaplasmosis May 20, 2019 at the Hilton Garden Inn in Manhattan.

The producer-oriented workshop will highlight the current state of anaplasmosis in the U.S. with an emphasis on Kansas beef cattle. The workshop will feature presentations by national experts on the economic impact of anaplasmosis, prevalence of anaplasmosis, anaplasmosis diagnostic considerations, anaplasmosis treatment and preven-



Kathryn Reif, right, Brandt Skinner, a graduate student in her lab, and Emily Reppert, assistant professor of agricultural practices, prepare to collect samples to monitor the anaplasmosis status of the K-State cow calf herd. Dr. Reif said one of the strains being used in her USDA-funded study was isolated from this herd last year.

tion, and the Veterinary Feed Directive. The meeting will include an interactive panel with producers describing their own experiences, challenges and ways of managing anaplasmosis. The symposium will conclude with an overview of anaplasmosis research projects at K-State and opportunities

for producer participation. Speakers include:

Dr. Hans Coetzee (K-State) Economic impact of anaplasmosis

Dr. Mike Apley (K-State) Veterinary Feed Directive

Dr. Roger (Bill) Stich (University of Missouri) Vaccination for anaplasmosis

Dr. Kathryn Reif (K-State) Implications of anaplasmosis strain diversity

Dr. Emily Reppert (K-State) Treatment options for anaplasmosis

Dr. Gregg Hanzlicek (K-State) Anaplasmosis diagnostic considerations

Dr. Brian Whitlock (University of Tennessee) U.S. prevalence of anaplasmosis

Admission: \$25 for cattle producers and the general public. Cost of admission includes lunch and refreshments.

Admission for veterinarians seeking CE credit is \$100.

Registration is available here: https://ksuvetmedalumniandevents.wildapricot.org/ event-3291529.

For more information, email Dr. Kathryn Reif at kreif@vet.k-state.edu or call 785-532-5552.







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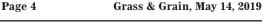
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Rose Edwards, Stillwater, Oklahoma Winner Rose Edwards, Stillwater, Oklahoma: **PINEAPPLE DROP COOKIES**

3/4 cup butter or margarine 1 cup sugar

1 egg

1/4 cup pineapple preserves

2 1/4 cups flour

1 teaspoon baking soda

1/2 teaspoon salt

Cream butter and sugar until light. Beat in egg and preserves. Add dry ingredients mixing well. Drop from teaspoon 2 inches apart onto baking sheet. Bake at 375 degrees for about 10 minutes. Cool 1-2 minutes and remove from sheet.

Lydia Miller, Westphalia: TERIYAKI PORK KABOBS 4 1/2 teaspoons cornstarch 1 tablespoon brown sugar 14 1/2-ounce can reduced-so-

dium beef broth 2 tablespoons reduced-sodi-

um soy sauce

2 garlic cloves, minced

1/4 teaspoon ground ginger 1 pork tenderloin (1 pound), cut into 1-inch cubes

16 medium fresh mush rooms

1 large red onion, cut into wedges

8 cherry tomatoes

Hot, cooked rice, optional In a small saucepan combine cornstarch and brown sugar. Stir in broth, soy sauce, garlic and ginger until blended. Bring to a boil; cook and stir 2 minutes or until thickened. Set aside half of sauce for serving; keep warm. On 8 metal or soaked wooden skewers, alternately thread pork, mushrooms and onion. Grill covered over medium heat. 10 to 15 minutes or until meat is no longer pink,

basting frequently with remaining sauce and turning once. Place a tomato on end of each kabob. Grill 1 to 2 minutes or until tomatoes are heated through, turning occasionally. Serve with reserved sauce and rice.

Kabobs with 3 tablespoons sauce without rice = 210 calories. *****

Kimberly Edwards, Stillwater, Oklahoma:

APPLE SALAD 1/2 cup mayonnaise 2 tablespoons sour cream 1 1/2 tablespoons lemon juice 3 cups chopped apples 1 cup seedless red grapes. halved

1/2 cup sliced celery

1/2 cup dried cranberries 1/2 cup walnut halves, chopped

In а large bowl mayonnaise, sour whisk cream and lemon juice. Stir in all other ingredients except walnuts. Cover and refrigerate for 2 hours. Stir in walnuts when ready to serve.



Keep Cool On The Grill: Refreshing Dairy-Infused Dishes For Warm Days

(Family Features) -Keep your kitchen cool and comfortable with grilled meals that banish the heat to the outdoors. Crisp, fresh greens and a perfect blend of spices and savory ingredients make each of these refreshing dishes perfect solutions for toasty days.

Featuring ingredients across the food groups, these dairy-fueled recipes from Milk Means More are ideal for well-rounded meals filled with nutritious flavor. Zesty mustard, spicy Sriracha and rich buttermilk lend a marinated flavor upgrade to traditional grilled chicken, while homemade pesto, fresh corn and ham create a perfect harmony for a cheesy grilled pizza. Or make a salad the star of your dinner table with a simply seasoned sirloin steak, plenty of veggies and a tart twist on a creamy dressing made with yogurt and milk.

Find more refreshing meal solutions at milkmeansmore.org.



GRILLED BUTTERMILK CHICKEN

Recipe courtesy of Lori Yates of Foxes Love Lemons on behalf of Milk Means More Prep Time: 10 minutes Cook Time: 16 minutes

- 1 1/2 cups buttermilk 1 tablespoon mustard
- powder 1 tablespoon Sriracha
- 2 teaspoons minced garlic
- 2 teaspoons paprika
- 4 chicken drumsticks,
- bone in, skin on 4 chicken thighs, bone in, skin on
- Vegetable oil, for grill 1/4 cup chopped fresh
- parsley
- 1 lemon, cut into wedges (optional)

One Year Warrantv

In medium bowl, whisk buttermilk, mustard powder, Sriracha, garlic and paprika. Place chicken in large zip-top bag; pour buttermilk mixture over chicken. Seal bag and refrigerate 2 hours or overnight.

Heat outdoor grill for direct grilling over medium heat. Remove chicken from marinade, shaking off excess; discard marinade. Lightly oil grill grates. Transfer chicken to grill and cook, turning occasionally, 16-18 minutes, or until internal temperature reaches 165 degrees F.

Transfer chicken to serving platter. Sprinkle with parsley and serve with lemon wedges, if desired. Serves 4. ***

GRILLED PIZZA WITH ARUGULA PESTO,

CORN & HAM



Recipe courtesy of Rachel Gurk of Rachel Cooks on behalf of Milk Means More Prep Time: 20 minutes Cook time: 10 minutes Arugula Pesto

2 cups fresh arugula, tightly packed

1 clove garlic 1 tablespoon lemon juice

- Pinch red pepper flakes, (optional) 1/3 cup shredded Parme-
- san cheese 1/2 cup extra-virgin olive
- oil
- Salt, to taste
- Pepper, to taste Grilled Pizza:
- 2 tablespoons flour, divided
- 1 pound pizza crust dough (at room temperature if using refrigerated
- Vegetable oil, for grill 1/2 cup Arugula Pesto 1/2 cup part-skim ricotta
- 1/2 cup diced deli ham 1/2-3/4 cup fresh corn kernels (about 1 cob)

onion 1/4 cup shredded Parme-

san cheese Heat grill to medium

heat (350-400 degrees F). To make Arugula

Pesto: In food processor, combine arugula, garlic, lemon juice, red pepper flakes and Parmesan. Pulse until combined then, with food processor on, drizzle in olive oil until pesto forms, scraping down sides as needed. Taste and season with salt and pepper, to taste.

To make Grilled Pizza: Flour pizza dough lightly and stretch or roll to about 1/2-inch thickness (14- to 16-inch diameter). Sprinkle remaining flour on large rimless baking sheet, pizza peel or pizza stone. Transfer dough to baking surface. Clean grill grate and grease with oil-soaked paper towel and tongs. Slide dough off baking surface onto grill. Cover and cook until dough is bubbling on top and golden brown on bottom, 2-3 minutes. Carefully flip dough over using peel or tongs. Remove crust from grill to add toppings. Spread Arugula Pesto over dough. Top with ricotta, ham, corn kernels, onion and Parmesan. Return pizza to grill, cover and cook until toppings are heated through and bottom of crust is crispy, 5-7 minutes. Remove from grill, slice and serve. Serves 6.

GRILLED STEAK SALAD WITH CHIVE YOGURT DRESSING



Recipe courtesy of Kirsten Kubert of Comfortably Domestic on behalf of Milk Means More Prep time: 15 minutes Cook Time: 10 minutes Dressing: 1 cup plain yogurt

- 1/4 cup thinly sliced red 3 tablespoons freshly squeezed lime juice (3 small limes)
 - 2 tablespoons milk 2 tablespoons chopped fresh chives
 - 1 clove garlic, peeled and minced
 - 1/4 teaspoon kosher salt 1/8 teaspoon black pepper Steak:
 - 1 teaspoon kosher salt
 - 1/4 teaspoon black pepper
 - 1/4 teaspoon granulated garlic
 - 20 ounces boneless petite sirloin steak Salad:
 - 3 cups baby spinach
 - 3 cups chopped romaine lettuce hearts
 - 1/2 cup sweet red pepper rings 1/2 cup sweet yellow pepper rings
 - 1 cup avocado chunks 1/4 cup thinly shaved red onion

To make dressing: In blender, combine yogurt, lime juice, milk, chives, garlic, salt and pepper. Blend on low until smooth consistency forms and chives are completely incorporated. Transfer dressing to jar with tight-fitting lid and refrigerate until serving.

Heat grill to medium.

To prepare steak: Combine kosher salt. black pepper and granulated garlic to create rub. Sprinkle half of seasoning mix over one side of steak, pressing it into meat. Repeat with remaining seasoning on opposite side of steak.

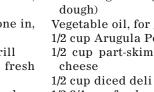
Grill steak over direct medium heat to desired level of doneness, approximately 4-5 minutes per side for medium pink center. Remove steak from grill and let rest 7-10 minutes on cutting board.

To make salad: Toss spinach and romaine on large platter. Scatter red and yellow peppers, avocado and onion over greens. Slice grilled sirloin thinly against grain. Arrange meat slices along center of salad.

Drizzle dressing over salad just prior to serving. Serves 6.

#14600 Source: United Dairy Industry of Michigan





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Many cultures claim yogurt as their own and each has a special recipe variation. It's curious to think of how the first yogurt came into being. Who was that daring young herdsman carrying dairy in his goatskin bag on a warm summer's day, suddenly deciding to give his soured milk a try? And would you be brave enough to try anything you thought had turned a biological corner?



Thankfully, someone did and now we get to benefit from the experience.

Many yogurts contain live bacterial cultures that break down the milk sugar (lactose) to produce lactic acid, which gives it its refreshingly tart flavor. Breaking down the lactose is good news for lactose intolerant people, many of whom are able to eat yogurt without ill effect. Your body needs a certain amount of good bacteria to keep the body healthy and some yogurts contain these bacteria. Because yogurt is made from milk, it contributes calcium and protein to the diet among other nutrients.

Yogurt is often thought of as health food on the go...quick, low in fat and calories, and good for you. Sounds like a perfect match for popcorn which is also quick, naturally low in fat and calories, and good for you (popcorn is a whole grain). By cooking yogurt along with other ingredients and combining with popcorn you get a chewy, caramel-like texture.

We've suggested peach yogurt here, but you can experiment with your favorite flavors.

PEACHY KEEN **POPCORN SNACK**

10 cups air-popped popcorn

1/2 cup dried blueberries 1 cup fat-free peach yogurt

¹/₂ cup sugar

¹/₂ cup brown sugar

1/3 cup light corn syrup Place popped popcorn and dried blueberries in a large bowl and keep warm. Combine yogurt, sugar, and corn syrup in $2\frac{1}{2}$ quart saucepan; cook over medium heat. stirring constantly until syrup forms thick, "ropy" threads that drip from the spoon. Pour over popped popcorn, stirring to coat. Serves: 5.

More Helpful Advice On Reducing Food Waste

What can you do? Most of us don't realize how much food we throw away every day – from uneaten leftovers to spoiled produce. Food waste occurs when an edible food goes uneaten and food waste happens in many ways. Try these tips to fight food waste.

Shop Smart: Buy what you need. Keep a list of meals you enjoy and ingredients used in each meal. Plan your meals before you go shopping and make a list. Inventory your refrigerator, freezer, and cupboards to avoid buying food you already have. Buy only the quantities you need.

Make your shopping list based on how many meals you'll eat at home. Include quantities needed to avoid overbuying. For example: salad greens – enough for two lunches. Buy in bulk only if you are able to use the food before it spoils. Are you likely to have leftovers, plan an "eat the leftovers' night each week. At restaurants, order only what you can finish. Take home the leftovers for your next meal. At all-you-can-eat buffets, take only what you can eat.

Consider the above tips. Be mindful about PLANNING and purchase only what you will consume. If you have any questions, please contact Sonia Cooer, River Valley Extension District, Washington Office, by emailing srcooper@ksu.edu or by calling 785-325-2121.

Source: Reducing Wasted Food at Home (https://www.epa.gov/recycle/reducing-wasted -food-home)

Home and in all Away

A True Friend Indeed

By Lou Ann Thomas A couple weeks ago

I had my gallbladder removed. Anyone who knows me is not likely surprised to hear that it was, as my surgeon said, "a highly unusual surgery." That means instead of being one of those able to return the work the next day, or who felt immediately better, I had to spend some time in the hospital.

But once back home, my dog, Boone, was ready to nurse me back to health. I admit Boone has spoiled me. He is such a faithful and dependable friend I sometimes find myself expecting the same behavior from people. And that just isn't fair. People can't be as devoted to us as our animals are.

Boone's devotion to me is evident by the way he follows me around although I understand he does so often hoping that he might score treats from me, the Official Treat and Food Giver. But this is not Boone's only demonstration of his faithfulness to me. He has always been my most ardent protec-



tor, as well as my most loyal companion.

Boone has never broken a promise to me or cancelled plans at the last minute, and he's the best travel buddy I've ever had. He never finds fault with my driving, tries to change the radio station or complains that the car is too hot or too cold. He never bugs me with silly questions or whines about not being there yet. Boone is simply happy being along for the ride. And if someone should approach me with even the slightest ill will in their step, voice or heart, Boone

will quickly illicit a loud warning indicating that although his bark is bad, his bite, if he is sufficiently pushed to the limit of his patience, might be worse.

As my beloved teacher, Boone, by his example, has taught me more about unconditional love and forgiveness than any person ever has. Even if I occasionally neglect to fill his bowl as soon as it's empty, he's still genuinely happy to see me even before I finally remember and correct the transgression. In fact, he's always happy to see me, even if I've only been out of his sight for a minute. He never holds a grudge or brings up my indiscretions in an attempt to make me feel bad or to manipulate me in any way. Boone never tries to bully me or make me feel "less than." To him, I'm about as perfect in my flawed humanness as I can be.

That's why I am so grateful for Nurse Boone. Sometimes I think that if he could dance, I might not need people at all.



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TRACTORS, FARM EQUIPMENT, COLLECTIBLES

1966 Int. Farmall #966 diesel; Mc. Farmall #460; 1951 JD "A"; 1949 Mc Farmall "H"; Mc Farmall #706 (doesn't run); 1969 GMC 5500 6 cyl. grain truck w/16' bed & tarp; 1949 Chevrolet 4100 1 1/2 ton grain truck; Parker 220 bu. gravity wagon; side delivery rake; JD springtooth; Int. #540 4 btm. plow; McCormick QT 3 btm. plow; IH 18' tandem disc; Krause 12' tandem disc; Krause 13 shank Soil Saver; IH #510 drill; Van Brunt drill; BMB XL-6 rotary mower; McCormick 7' sickle mower; Mc IH #46 hay baler; IH 20'; field cultivator; JD springtooth; (2) 2-row cultivators; JD #494A 4-row planter; 6' 3 pt. blade; 4' dirt slip; drag harrow; 3 pt. hyd. log splitter; (2) 10' wood grain wagons (3' & 5' wide); (2) 4x6' 2-whl utility carts; wheel weights - 4 Int, 2 F&H, IH suitcase weights w/bracket; 500 gal. fuel barrel w/metal stand; used truck tires - 185/75R 24.5; 16' cattle $m \overset{6}{k}$ hog panels; big bale feeder panels; 4' & 7' stock tanks; hog troughs; small propane bottles; new roll of barb wire; T-posts; elec. fence posts; 5 rolls of 4' wood snow fencing; Golden Rod fence stretcher; Handyman jack; hyd. cylinder; Century arc welder; post drill & vise; few long handle tools; car ramps; 2 wood saw horses; well pipe; slow moving signs; misc. 1x & 2x lumber; COLLECTIBLES: Metal chicken feeder; Mc Deering cream separator w/bowl; hand corn sheller; well pumps; well spigot; sprinkling cans; sq. wash tub on stand; cream cans; galv. boiler; buckets & round mail box; steel impl. seats & steel wheels; hay mow nife & hooks; 2 walking cultivators; wrought iron baby & full bed frame; metal yard light; 2 Raleigh 26" side-by-side bikes; wood kids sleds; game traps; labeled tins; other items. *Photos on Websites!* Auction Note: Expect a 2-hour sale, PLEASE BE ON TIME!! www.olmstedrealestate.com • www.marshallcountyrealty.com

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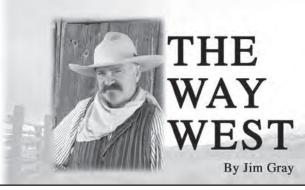
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Grass & Grain, May 14, 2019



Making America Laugh

Most everyone has heard of Bill Nye the Science Guy, but in the 1880s another Bill Nye was just as popular. He gained notoriety as a humorist staged from a little newspaper he had launched in Laramie, Wyoming. *The Boomerang* was named after his favorite mule. Bill Nye's humor was genuine and so was *The Boomerang*. Born Edgar Wilson Nye near the pine forests of Maine, and "bred a lawyer" Mr. Nye ventured forth to Laramie, Wyoming, to practice law and "grow up with the territory in any way that offered." With only thirty-five cents in his pocket he had to grow up fast.

He was elected Justice of the Peace, an office that brought him "small honor and



much misery." However, the office also gave him "a rich fund of experience" which he was able to draw upon in his numerous newspaper sketches. Nye reported things as he saw them for the local interest of his Laramie readers. As was described by E. J. Edwards of the American Press Association, Nye was originally unaware of the significance of his particular "mental vision and his capacity to reproduce it on paper." Little did he imagine the fame his imbedded talent would bring. If he could make folks laugh, he was happy.

Nye started writing for the Laramie Sentinel before he had any idea of owning a paper of his own. Nye later recalled that the Sentinel owner "was generous to a fault especially his own faults." From the beginning his talent for humor was unmistakable. Writing about a Laramie gunfight in 1878, Nye recalled "There were bullet holes to be sure, penetrating various parts of the combatants, but the funeral had to be postponed ... The doctor pronounced it a very close call, but not necessarily fatal. It was a terrible disappointment to everyone."

Newspapers of the day often relied upon items from other papers to fill their pages and to Nye's surprise "he found that his sketches were appearing in every newspaper in the land." Bill Nye had the attention of not only his local Laramie readers but followers across the nation.

Henry Wagner ran a mercantile business in Laramie and was also president of the Laramie board of trade in the late 1870s. He later moved to Salina, and recalled for the local paper his role in developing Bill Nye's career in those early days. Nye happened to walk into Wagner's Laramie mercantile at an unfortunate time. Wagner was reprimanding a clerk for allowing the display of clothing to become cluttered. "Any news today?" asked Nye. "No," Wagner gruffly replied. "Oh well, I guess I got some news by coming here," said Nye. "What?" asked Nye. "Oh you'll see it in tonight's paper." In that evening's issue of the Laramie Sentinel was, "Wagner's clothes are in disorder." From that moment they became fast friends.

But things were not going well for Nye at the time and he began to seek an appointment in the east. Not wanting him to leave Laramie, Wagner sold stock for a new paper at thirty dollars a share. In two hours Wagner raised three thousand dollars and *The Boomerang* was born.

As Nye's sketches won celebrity across the nation the young journalist gained the attention of the New York World. He was given the rare opportunity to write "what he chose, as he chose... subject to none of the restrictions or discipline of the office."

With his popularity in ascendancy in 1887, Bill Nye advised the public that he would not be a candidate for the President of the United States. "It never worried me much... We elevate a man to a great height here in America and then we let him fall hard." That wouldn't do for a man who liked to laugh. unique as the great outdoors. His description of the tough little western mustang carried his signature sense of humor. "The bronco is full of spirit, and, although docile under ordinary circumstances, he will at times get enthusiastic and do things which he afterwards, in his sober moments, bitterly regrets. Some broncos have formed the habit of bucking. They do not all buck. Only those that are alive do so. When they are dead they are more subdued and gentle."

Nye published sixteen books and became popular on the lucrative lecture circuit, but the effort was too great a strain. At forty-six years of age, he suffered a stroke and passed away at Asheville, North Carolina, February 22, 1896, having claimed no higher mission than to just make men laugh on The Way West.

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

He could create an image as clear as any photo and as

to show support to 4-H youth

through the Paper Clover

campaign because they rec-

ognize the lasting impact that

4-H programs have on youth

in their communities," said

Christi Korzekwa, senior vice

president of marketing at Trac-

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program is proven by the im-

portant opportunities it pres-

ents to 4-H youth nationwide.

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ticipate in valuable hands-on learning experiences as a result of Tractor Supply Company's Paper Clover spring fundraiser. Tractor Supply customers and team members raised \$917,954 in only 12 days during the Paper Clover campaign by making donations in-store and online across the country. A biannual program, Paper Clover is in partnership with the National 4-H Council. "Tractor Supply customers

have the opportunity to par-

and team members continue





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From March 27 to April 7, Tractor Supply customers and team members purchased paper clovers—the emblem of 4-H—for a donation during checkout at stores nationwide or through purchases made online at TractorSupply.com.

Dollars collected during Tractor Supply's Paper Clover event fund scholarships for numerous state-level 4-H programs, and every donation benefits youth within the state it was collected. Scholarships are used for camps and leadership experiences where attendees learn everything from animal care and woodworking to networking practices and civic responsibility.

"Programs like Paper Clover are key to supporting the development of our youth's skills and passions, and we are beyond grateful to Tractor Supply, which continues to help us provide hands-om learning experiences for our kids," said Jennifer Sirangelo, president and CEO of National 4-H Council. "By presenting 4-H youth with learn-by-doing programming, we give them the tools they need to become tomorrow's leaders."

Now in its tenth year, the Paper Clover campaign has raised \$13.2 million for 4-H youth nationwide due to the

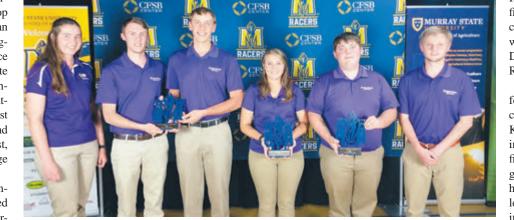


K-State team wins national crops and precision agriculture contests at NACTA event

The Kansas State University Crops Team earned top awards at the North American Colleges and Teachers of Agriculture Judging Conference held recently at Murray State University in Murray, Kentucky. Six students participated in three events, placing first in both the crops contest and precision agriculture contest, and second in the knowledge bowl.

In the NACTA crops contest, the K-State team placed first over Iowa State University, with the University of Nebraska taking third place. A total of 25 crops teams competed, 15 in the four-year division and ten in the two-year division. This was the 13th win in the past 21 years for K-State at the national NACTA crops contest, but their first since 2014.

Individually, Nate Dick, junior in agronomy from Inman, took first place overall, and Kaylin Fink, senior in agronomy from Chapman, placed third. Jayden Meyer, agricultural economics major from



Members of the K-State Crops Judging Team included, from left: Leah Parsons, Luke Ryan, Jayden Meyer, Kaylin Fink, Nate Dick and Wes Jennings.

Smith Center, placed eighth and Luke Ryan, sophomore in agronomy from Solomon, placed tenth. Alternates were agronomy majors Leah Parsons from Leavenworth and Wes Jennings from Abilene.

The crops contest consists of four divisions: laboratory practical, agronomic exam, math practical, and plant and seed identification. At the national contest, the team placed first in math and identification and second in exam and lab. Individually, Nate Dick was first in all four components. Other top five scores were Kaylin Fink who placed second in identification, third in exam and fifth in lab. Luke Ryan placed fourth in identification and Jayden Meyer was fifth in math.

In the precision agriculture event, the team placed first overall ahead of Illinois State University, with Panhandle State University coming in third. Sixteen competed, eight in the four-year division. Individually, each team member competed in one of four contest components. Jayden Meyer was first place in harvesting technology, Nate Dick placed first in planting technology, Luke Ryan finished second in UAVs/drones, and Wes Jennings was fourth in spraying technology.

In the Knowledge Bowl, the team went undefeated through the winner's bracket, but dropped two matches to

exemplified the successful fulfillment of these pillars than Walt." "He is our voice to the Iowa State University in the finals. Leah Parsons was team captain. Other team members were Jayden Meyer, Nate Dick, Kaylin Fink, and Luke Ryan.

The NACTA Judging Conference event ended the spring competition season for the K-State Crops Team. Earlier in the season, the team placed first at both the NACTA Regional Crops Contest in March hosted by the Nebraska College of Technical Agriculture in Curtis, Nebraska, and the Southern Plains Invitational Crops Contest in February hosted by Hutchinson Community College. Additional students competing at Hutchinson were agronomy seniors Daphne Lofing from Osawatomie and Trent Haverkamp from Wamego.

Page 7

Fifteen students were involved in practices to earn a spot on the K-State team this spring. Kevin Donnelly, professor of agronomy, served as coach for the team. Assistant coaches were agronomy graduate students Chris Weber, Marshall Hay, and Keren Duerksen.

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Esteemed agronomy professor honored by his peers

Walter H. Fick, Kansas State University agronomy professor and Extension range management specialist, was recognized by his peers across the country when he received a Fellow Award at the Society for Range Management's 72nd Annual Meeting, Technical Training and Trade Show.

The Fellow Award, given during the SRM's annual meeting in Minneapolis, recognizes SRM members for their exceptional service and contributions to the society and its programs in advancing the science and art of range-related resource management.

Fick earned his bachelor's and master's degrees in range management from the University of Nebraska, Lincoln, in 1973 and 1975. He completed his doctorate in range science in 1978 at Texas Tech University. In 1978 he joined the agronomy department at K-State in a newly created faculty position mainly focused on teaching and research. He now holds a joint appointment in Extension, teaching, and research. His research focuses primarily on the control of brush and invasive species in rangeland, prescribed burning methods, grazing management, and range improvement methods.

He has been a member of SRM for 45 years. Of particular merit has been his work with Kansas Range Youth Camp. His recognition that the



future stewardship of rangelands lies in our next generation shows his earnest desire to attract youth to careers in range management. Further, he has conducted Kansas Adult Range Management Schools for the past 18 years.

Fick's dedication to the society extends to the national level. He has been co-moderator for technical sessions on three occasions, general cochair for a national meeting, program co-chair, and organized several symposia on current, vital range issues.

His influence is well-recognized, as evidenced by comments submitted in support of the Fellow designation: "... there was not a more dedicated and harder working teacher. He led by showing and being knee deep in the process right alongside of you." "The landgrant system long ago used the pillars of teaching, research, and Extension as a way to

educate the nation and improve the citizens' quality of life, and no one has better accomplished these goals and

public, and he does that well."

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Grass & Grain, May 14, 2019 Page 8 Old World Bluestem and Soil Health Field Day planned for May 28th

Have you noticed that straw-colored grass in your grassland that the cows won't eat? Or maybe you are looking for ways to improve the health of the soil in your rangeland or cropland, reduce weed competition in your cropland and reduce erosion? If any of these topics are of interest, mark your calendars for Tuesday, May 28th for the Old World Bluestem and Soil Health Field Day at the Community Building in Neal. Registration begins at 9 a.m. A free catered lunch will be provided at noon. The afternoon session will take us to the field and conclude around 3 p.m. Reservations can be made by contacting the Greenwood County Conservation District Office by May 24th at 620-583-5544, extension 3.

Guest speakers will include Walt Fick, Kansas State University Agronomy Professor, Keith Harmony, Ft. Hays State University Range Scientist and Dale Strickler, Green Cover Seed Company. These gentlemen come with decades of experience and a wealth of knowledge pertinent to the

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and improving soil health for improved plant performance in rangeland and cropland will be the primary topics of discussion. There will also be demonstrations on proper calibration of sprayers, an update on Sericea lespedeza management and control and the use of cover crops in croplands to control weed pressure and improve soil organic matter. Old World Bluestem (OWB) is a name collectively used to refer to Caucasian bluestem and various cultivars of yellow bluestem.

These species were introduced into the U.S. for conservation purposes and as a forage crop for having and grazing. Seedings of Old World Bluestems in Kansas probably started during the 1930s and continued to some extent into the 1960s. Although a number of species are called bluestems, OWBs are not closely related to the native grasses little bluestem and big bluestem. Old world bluestems are aggressive and prolific seed producers. Today, OWBs can be seen along roadsides and are increasing in our native grasslands. The inincrease once established. Left uncontrolled, OWBs have the potential to dominate our grasslands. Soil Health has been an important topic for years in the farming community, but this field day will give producers an opportunity to discuss how soil health can impact rangeland management and production in addition to observing the use of cover crops and minimal tillage in cropland.

Sponsors for this event are the Greenwood County Conservation District, Tallgrass Legacy Alliance, Toronto and Fall River WRAPS, Kansas Alliance for Wetlands and Streams, Natural Resources Conservation District, Kansas State University Extension Service, Ranch Aid, RanchLand Feed, and Kauffman Seed. USDA is an equal opportunity provider, employer and lender. If you need accommodation to participate in this event, please mention this when reserving your place. This event is partially funded by the Division of Conservation Soil Health Funds and 319 Clean Water Act Funds

topics. Identification and control of Old World Bluestems vasive nature and lower palatability of OWBs allows them to Joiomon arket ne 20 Farmers **C**x

After nearly a year of diligently planning, Montair is ecstatic to announce the official launch of the Solomon Farmers Market & Mercantile to be held weekly at the Solomon City Park starting Tuesday, June 4th, 2019 from 4:30-6:30 p.m.

Solomon Farm-The ers Market & Mercantile (SFM&M) is proud to be working in conjunction with Solomon's hometown grocery store. Bush's Market and the K-State Research & Extension office of Dickinson County, Abilene, to bring the small rural town and the surrounding communities together for this new and exciting venture.

Caveman Liquor, Solomon, is also excited to bring to light new recipes that involve incorporating their wines, beers and spirits such as BBQ Bourbon Chicken, beer breads and Kahlúa Chocolate Cake through the SFM&M.

The Solomon FFA and local 4-H'ers will be showcasing their produce, plants, flowers and projects throughout the selling season as well. They cordially invite vendors of all ages to apply to showcase their garden produce, jams, homemade goods, crafts and one-ofa-kind merchandise. Not limited to just produce, the curated SFM&M intends to create a destination for customers of

all ages to enjoy a fun and welcoming shopping environment Tuesday evenings, with some organic and non-GMO foods featured. Centrally located in the heart of Solomon at the City Park, the kids can play on the playground while parents and grandparents shop with the various vendors.

SNAP, SFMNP Friendly

Through the help of the Extension office, they will be able to offer the Supplemental Nutrition Assistance Program (SNAP) and the State of Kansas Senior Farmers Market Nutrition Program (SFMNP) participants fresh and locally grown foods. The SFM&M is a direct-to-consumer venture that will provide access to affordable, fresh, locally grown produce (meats, nuts, dairy

and eggs, as well as Made in USA and Made in Kansas products). The USDA places a high priority on expanding SNAP so participants are able to access fresh and healthy foods - including heirloom tomatoes and other produce - through farmers' markets. The SFM&M intends to draw individuals, micro-businesses, female entrepreneurs, small local agribusiness enterprises and retailers from Dickinson and the surrounding counties to showcase their premium products. The SFM&M hopes to incorporate the Women Infants and Children (WIC) program as well.

Creating new opportunities for our Youth Research shows that 4-H is our Country's largest vouth development or-

ganization, which assists in developing citizenship, youth leadership and enhancing decision-making skills.

The SFM&M has reached out to various 4-H groups and already received great interest. They are excited to be working with local youth to showcase their talents and 4-H projects. Several 4-H'ers have already begun planning their Vendor spaces, and have mentioned bringing baked goods, eggs, craft projects and garden produce to sell during the SFM&M. The Solomon FFA plans to sell their locally grown produce and plants while supplies last. Boy Scouts, Girl Scouts, school groups, sports teams, etc are encouraged to reach out as well to discuss the endless possibilities, such as fundraising, available to them at the SFM&M.

Educating the public

To further impact our community through education, the SFM&M will pair with the K-State Research & Extension-Dickinson County Office to advocate nutritional health by way of cooking and eating healthy while sticking to a budget. Tips on choosing quick and nutritious snacks and healthy recipes will also be provided. Heart-healthy and diabetic-friendly seminars and cooking demonstrations will also be provided throughout the season during the SFM&M.

More information can be found at www.facebook.com solomonfarmersmarket.

growth grass Slow past

Grass growers ask, "Why doesn't my grass grow this spring?"

"It's the cool weather and a whole lot more," says Craig Roberts, University of Missouri Extension forage specialist.

Delayed crop planting and slow grass growth were common topics in the weekly agronomy teleconference for MU Extension specialists.

Best pasture grass grows said. That's day-and-night average for 24 hours. It's not a day with 70 degrees for two hours in the afternoon.

A bigger problem occurs when cows grub pastures into the ground with early grazing. That happens when herds are turned out to pasture at the first sign of growth.

"We're talking grass 1 inch tall," Roberts said. "The pastures look like pool tables." Short grass leaves don't have

ing consumes stored carbohydrates held in reserve to start spring growth, Roberts told field specialists.

Questions were asked about spreading nitrogen fertilizer to make more grass. "Maybe some, but not much," Roberts replied. In normal years, use no spring nitrogen, he says. A spring flush of growth makes more grass than cow herds can eat. Early growth matures and goes to waste.

"This year use limited ni-



Schilling R&L Full Disclosure won reserve grand champion bred-and-owned bull at the 2019 Western Regional Junior Angus Show, April 13 in Reno, Nev. Eva Hinrichsen, Westmoreland, owns the March 2018

trogen," Roberts says. "Normally we'd say 40 pounds of N per acre, but this year no more than 20 pounds."

That may require farmers to spread the fertilizer. "Commercial applicators won't want to come out for such a limited sale," he said.

Applying nitrogen in spring has too many downsides to be used regularly. The N makes too much growth. Worse, N applied to toxic tall fescue, the most common pasture grass in Missouri, spurs development of alkaloid toxins in the grass. Toxins cut animal growth, milk and reproduction.

Also, adding nitrogen crowds out legumes desired in pasture mixes.

Better weather outlooks with higher temperatures lie ahead. Plus, plentiful rain makes for grass growth.

"Moisture that's bad for crop plantings is good for livestock producers turning herds out to pasture," Roberts said. Management-intensive grazing (MIG), including rotational grazing, allows better use of sparse grass. MIG boosts production by about one-third



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son of Schillings R&L Classified. He first won calf champion. Kyle Conley, Sulphur, Okla., evaluated the

Photo by Katie Colyer

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blade; John Deere Pull type silage chopper (parts machine); masonry mortar mixer; Papec grinder mixer. DRYWALL & SHOP TOOLS: Cebora wire feed welder; Lincoln arc welder; bolt organizers; C-clamps; wrenches; screw drivers; sockets; multiple power tools; grinder wheels tool boxes; buffer wheels; chop saws; sm. air compressors; Craftsman rolling workbench/tool Chest; Craftsman table saw; commercial grade sewing machine; shop fans; ext. cords; 18 Criest, Cratisfinan table saw, commercial grade sewing machine, shop fails, ext. cords; rol sections of scaffolding (not all complete sets); fuel barrel stands; Husqvarna weed whipper; Honda pressure washer; Champion generator; gas cans; work lights; garden shears; filter wrenches; chicken wire; kerosene heaters; misc hand tools shovels etc; many many more tools not listed! LIVESTOCK EQUIPMENT: Pig feeder; T-posts; steel feed troughs; bale rings; many gates & panels; Brower waterer; squeeze chute. LAWN MOWERS & GARDEN TRACTORS: Zero Turn Grasshopper lawn mower; Zero Turn Cub Cadet lawn mower; Cub Cadet garden tractor. SKID STEERS & ATTACHMENTS: New Holland Skid Steer; Daewoo 1250X! 1760XL; pallet forks; post hole auger attach. (with bits); buckets (2); bale spear; homemade skid steer mounted log splitter; front blade. VEHICLES, TRAILERS & ATTACHMENTS: Chevy hoist bed truck (needs brake work); sq. body 1T dually Chevy w/hyd. dump flatbed; running & driving 2003 Ford F150; 2 salvage Ford F150's (no titles); tandem axle gooseneck trailers (2); tandem axle bumper pull stock trailer; flatbed truck bed; RV motorcycle lift; small motorcycle; Polaris 425 Magnum 4-wheeler; motorized buggy (Very Neat).





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Dr. Jake and I are just back from the Order of the Indian Wars in Denver. No trip to the Mile High City would be complete without a visit to the Buckhorn Tavern, an establishment that was frequented by none other than William F. Cody himself.

On my first visit, I was accompanied by friends Mary Lattin and Michelle Martin. The place was packed with prom-goers and we waited patiently for a table. There was plenty of gawking going on as we snapped pictures and nosed around. When the hostess seated us, it was at the table, the booth reserved for Buffalo Bill himself. In that whole big restaurant, with dozens of res-

National Walnut Council Meeting coming to Kansas

The 2019 National Walnut Council Meeting is scheduled for June 16-19 at the Prairie Band Casino and Resort just north of Topeka.

The theme of the four-day event is Walnuts in Indian Country and features educational field tours of woodland management on Kickapoo Tribal lands along with in-door sessions from nationally recognized experts in natural resource management.

Hosted by the Kansas Chapter of the Walnut Council, Kansas Forestry Association and Kansas Forest Service, the meeting offers landowners, natural resource professionals, scientists, foresters and other forest industry professionals an opportunity to network and discuss the most pertinent issues associated with the successful growth and management of American black walnut and other fine-quality hardwoods.

The meeting begins with the inaugural Walnut Masters golf tournament hosted by State Forester Larry Biles on June 16 followed by an evening reception at the Kansas History Museum.

In addition to Kickapoo tribal lands, field tours will be held at the Barrow Ranch and Copperhead Hill Ranch. Field tours will include sessions on agroforestry, tree and songbird identification, wildlife and woodland management, sawmill and harvesting demonstrations and more. Indoor sessions will include discussions about fire and oak regeneration, tickborne diseases, and a variety of woodland owners' "showand-tell" sessions.

The deadline for early registration is June 5. Registration for the full event is \$175 with single-day registration options. Registrations can be submitted online or by mail.

More information about the even can be found on the 2019 Walnut Council Annual Meeting webpage.



ervations that night, we got the one for Buffalo Bill. Yes. friends, I lead a charmed life.

Speaking of a charmed life, I was returning from Garden City one of those stormy nights we had last week. I turned onto our dirt road from Highway 83, and almost immediately started sliding. I was heading for the ditch. I had the car in low gear, but the water just seems to settle there and there seems to be no bottom. Before I slid off into oblivion, I called Jake.

I was only a mile or so from home.

He came out in the fourwheel-drive pickup, and did try to drive me out first but the car just wouldn't get it. I will add that my car is an old heavy Lincoln. It will go most places

pretty well, but not that night. Jake was going to have to pull me to the house.

He had to lie down in the mud to get under the car and secure the chain while I held the cell phone flashlight. Then he dragged me home.

God bless him. I think he is proof enough that my life is charmed.

But this event nails it: Marla Matkin and I were at the Fort Wallace Museum the other day, Sunday, the final day of our Big Kansas Road Trip. We were exhausted. But we looked over the fields and noticed that the wild horses were getting excited about the weather. We drove over to get a better look and found a handful of tourists there. I struck up a conversation with one couple

Grass & Grain, May 14, 2019 from Greensburg. We chatted about Matt Deighton and then

they make vodka. You could be my new best friend, I said. Tim and Kari Kyle and their boys were really enjoying the Big Kansas Road Trip and Wallace's wild horses. They had been in Sharon Springs at the Thirsty

Store promoting their prod-

they got around to telling me

ucts. Quoting form the Land of Kansas website, Tim started Ornery Brother Distilling "to develop a unique product from white sorghum grain. The business model is simple: There is one guy and this solid grassroots Kansas product: Milo Vodka! Distilled, bottled, boxed, and out of his door to yours with pride & humility!

He believes in using and reusing what is available and simplifying production, with integrity given to the 'process.' It is gluten free & no sugar added! We have Milo Vodka placed in over 120 liquor stores across Kansas, and any liquor store in Kansas can order it in through Worldwide Beverage Group in Lenexa."

Page 9

Is this a great country or what? And, yes, I lead a charmed life.

Deb Goodrich is the host of the Around Kansas TV show and the Garvey Historian in Residence at the Fort Wallace Museum. She is also the chairman of Santa Fe Trial 200, the bicentennial of the Santa Fe Trail in 2021. Contact her at author.debgoodrich@gmail. com.

Apply now for K-State Extension Master Gardener program

If you enjoy gardening, working with others and having fun while sharing your passion then the Extension Master Gardener (EMG) program may be just the opportunity for you. Applications are now being accepted for the Johnson County K-State Research and Extension Master Gardener Class of 2020 training program. Application deadline is July 15.

Training sessions are Tuesdays, September 17 through November 12, 9 a.m.-4 p.m. All classes will be conducted at the Johnson County Extension office, 11811 S. Sunset Drive, Suite 1500 in Olathe. There is a \$125 administration fee for those accepted into the class. Class members must be Johnson County residents.

will be held Wednesday, June 26, from 1-3 p.m. at the Extension office. Projects and program guidelines will be outlined. You are encouraged to attend this meeting if you have questions about the EMG program or would like more information prior to completing your application.

An informational meeting

Only 30 applicants are accepted into this prestigious program. Applicants are selected on the basis of gardening and volunteering experience, ability to attend training sessions and volunteer activities, and, most importantly, willingness to commit long term to the annual requirement of volunteer service. Gardeners who join the program bring many different experience levels and

Dover Community Foundation awards sixteen scholarships

The Dover Community Foundation has awarded 16 scholarships to area students. A total amount of \$17,400 was awarded for the 2019/2020 school year. The scholarship program has been available and utilized by students of various degree and vocational pursuits and has donated over \$250,000. More than 200 students have received these scholarships since the Foundation began.

The DCF was founded on June 9, 2001 by the membership of the Dover Alumni Association. The Dover Community Foundation "DCF" is a charitable component of the Manhattan Community Foundation. The DCF was instrumental in establishing the Dover Community Center. IT was an early supporter of the Native Stone Scenic Byway. The organization has donated to many local programs including Dover Pride, Dover Rood Pantry, Dover 4-H, Dover Fire Department, Mission Valley FFA/FCCLA/Robotics Team. After Prom and many more worthy initiatives that meet the mission statement. The Mission of DCF is "to research and identify the

nunn.

unfulfilled needs of the community and to develop, implement and fund breakthrough solutions that have a lasting impact. The DCF provides a vehicle through which individuals and organizations can contribute to the community needs that they feel are the most important.'

If you are interested in a charitable contribution for a specific purpose or would like to help the DCF further their mission, feel free to contact any current board members: Betty Schwann, Brad Bassett, Bruce Schlesener, Clinton Lambaste, Cole Rutledge, Ken Gimple, Fred Guzek, James (Denny) Bassett, Jill Cook, Kelly Hoelting, Kendra Johnston, Rob Sage, Sarah Browning, Sharna Crow, Everette Thomas.

interests to the program. If you are a novice gardener, do not let the title of Extension Master Gardener intimidate you. Your love of gardening and passion for sharing your garden experience is the basis for success.

The EMG program, sponsored by K-State Research and Extension, is designed to teach area gardeners about horticulture and give them the opportunity to share their knowledge through various gardening-related volunteer projects. Applicants who are selected will receive intensive horticulture-related training from university and industry experts. In return, newly trained recruits will be required to volunteer a minimum of time each year.

EMG volunteers get involved in a variety of projects including maintaining demonstration gardens, staffing a gardening hotline and giving presentations through the speakers' bureau. Youth programs are also another avenue for volunteer participation.

If you are interested in applying for the program, or would like more information, please contact Johnson County Extension at (913) 715-7000 or visit www.johnson.k-state. edu and click on the Master Gardener link for details.



Hinrichsen Bardot 8042 won reserve grand champion female at the 2019 Phenotype and Genotype Show (PGS) held in conjunction with the Western Regional Junior Angus Show, April 13 in Reno, Nev. Eva Hinrichsen, Westmoreland, owns the June 2018 daughter of 44 Ten X 1579. She first won division 1 champion. John Dickinson, Sacramento, Calif., evaluated the 19 entries. Photo by Katie Colyer



1993 Agco 4660 tractor with front wheel assist, 3pt with Great Bend 330 loader with bale forks; tandem implement trailer 8x12; 4'x8' wood enclosed trailer; 2-wheel pick-up bed trailer; older 6'X18' metal floor trailer.

6' 3pt rotary mower; 3pt blade; 3pt 2 prong bale spear; tumblebug; side delivery rake; Graham Hayme chisel; EZ flo spreader; yard art manure spreader; scrap iron machinery.

TroyBilt 5HP Tomahawk chipper shredder; Toro 6.5HP push mower; Vector XL/C string trimmer; 5HP 291 CC portable generator: Craftsman mitre saw & stand: floor & bench drill presses; new 8 gallon compressor; bench grinder & stand; Craftsman 10" table saw; 5HP 2500 portable generator; gas powered post hole digger, small TroyBilt roto-tiller; pull type & push lawn spreaders; 5HP Craftsman wet/dry vac; shelving: bench: Craftsman reciprocating saw; 1/2" & 1/4" drills: angle grinder; shop vac; sanders; jig saw; 14" cut-off saw; electric ratchet wrench: electric chain saw; circular saw; extension roller; Craftsman table saw (no motor); wood & concrete bits: open & box end wrenches; sockets; pipe wrenches; pliers; screwdrivers; level; clamps; organizers; tree trimmer; jack stands; tire breaker; Workmate bench; extension cords; 2 older air compressors; traps; portable lights; handyman jack; come-a-long; cross-cut saw; floor & hydraulic jacks; ratchet tie down straps; 8' fiberglass step ladder; gas cans; post driver & puller; creeper; log chain; electric fencer; boomers; vise grips; oil products; funnels; 15 gallon sprayer & pump; car ramps; tires; electric & plumbing supplies; pink vanity sink; lawn windmill; ladder stand offs; mole trap; wheelbarrow; garden tools: pitch forks: old doors; old wood trim; 18 sheets 4X8 plywood 1/2"; used 2" lumber; metal portable loading chute: van box storage box: 3-12' pipe gates; steel posts; cattle panels; wood poles; hog Brower hog/goat chute oiler; chain link 6 1/2' tall dog kennel; electric fence post insulators; feed pans; metal & plastic barrels; cast iron bathtub; clothesline poles; metal bench & vise: 5-tooth cultivators; iron wheels; wooden chicken crates; roll snow fence; scrap metal; miscellaneous tools & shop items. Antique square front china cabinet; couch; Casio WK-110 keyboard; recliner; Oak library table; desk; shelf unit; drop-leaf table & 4 chairs; computer desk; 2 dinette tables; 6 sections 8'x2' heavy commercial adjustable shelving; dressing screen; Baker's rack; patio chairs; SS BBQ grill; 5-drawer McCall's cabinet; metal shelf; 2 radiant heaters; bedside table; office chair; typing table; card table & chairs; cabinet; small round top stands; clothes rack; footlocker; dehumidifier; double & single laundry tubs; exerciser; kerosene heater & kerosene; stemware; plates; figurines; vases; toy JD corn sheller, well pump & gas engine; piggy bank; wood windmill; ship; toys; games; puzzles; child's tea set: sad iron; doll washboard; child's plastic chalk board; Tupperware; magnifying lamp; patio & hand umbrellas: horseshoe set: wooden barrel; lots craft items; food dehydrator; punch set; records; books; cassettes; video tapes; mirror; pictures, frames & plaques; stuffed toys; comforter; tea towels; tablecloths; pillow cases; candles; doilies; meat grinder; projector screen; Holiday decorations; cameras; binoculars; coolers; lawn chair cushions: heated massage blanket; air mattress; fruit jars; cast iron skillet; Dazey churn; insulators; egg scale; Frankoma: 1950's juice set: stoneware bowl; Pyrex; Hires stoneware mug; bowls; kerosene lamp; lawn chairs; flower pots; pie & cake carriers; cookie jars; bean pots; Christmas glasses; cross & sunflower horseshoes; brick edging; pellet gun; tub; pet carriers; patio door; household items.

SUNDAY, JUNE 2, 2019 - 12:00 NOON 2209 Country Club Drive - WAMEGO, KANSAS

REAL ESTATE (SELLS APPROX. 1:00 PM) This well located 3-bedroom home has a large living room, kitchen, dining room, 2 baths, and utility area on the main floor with a full partially finished basement with a family room. There is also a 2-car attached garage. À deck overlooks the nice backvard that also has a utility shed. This is a great opportunity to buy a home in this neighborhood at public auction.

Buyer to pay 10% down day of Auction with balance due on or before July 2, 2019. Cost of Title

1994 Buick Regal, leather interior, 77,888 miles, nice clean car IH 'H' Farmall tractor. House Pennsylvania lighted china cabinet; Sears deep freeze; whirlpool refrigerator; Roper washer & dryer, Bissman (Springfield, Mo.) Walnut dining table, 2 leaves & pads; bed, dresser with mirror & chest; Serta Queen adjustable bed (very nice); La-Z-Boy sleeper sofa; hospital bed; couch; 2 high back living room chairs; 2 Lazyboy recliners; sleeper sofa; pattern back rocker; end tables; dropleaf gateleg table; upright piano; round game/coffee table (adjustable height); 3 Ethan Allen stand tables; occasional chairs; entertainment center; computer desk; bookcases; console singer sewing machine; antique humpback trunk; stereo, cabinet & speakers; portable flat screen TV; Maple step tables; footlocker; pool table, rack, balls, cues & ping-pong top; stand table; Oak coat tree; 4 padded chairs on rollers; 2 bar stools; roll-a-way bed: coat rack: Kenmore humidifier: office chair: magazine rack: wood plant stand; Bionix treadmill; toy box; portable sewing machine; fan-on-stand; metal shelving; exercise bike; metal folding chairs; Hunnington Rebel gas BBQ grill (very good); 4

sets golf clubs. 3 Alfreda Peterson water colors; large set Fostoria 'Colony' pattern glassware; set of 8 plus serving pcs gold plated flatware; 3 Hummel figurines; Insurance to be divided equally between Buyer & Seller. Taxes prorated to closing. All inspections to be completed prior to Auction at Buver's expense if requested. STATEMENTS MADE DAY OF AUCTION TAKES PRECEDENCE OVER ANY OTHER INFORMATION. OPEN HOUSE ON REAL ESTATE Thursday, May 16, 2019, 5-6:30PM or by appointment by contacting Vern Gannon Broker/Auctioneer 785-770-0066 or Gannon Real Estate and Auctions 785-539-2316.

bells; set of 8 Tiger Iris Winfield dishes; collection of Salt & Pepper shakers: stereoscope & cards; Lladro figurine; Early Riley County Atlas; old scrap book; set of 12 Platinum Wheat dishes & serving pieces; cat figurines; dolls; Anniversary clock pressed glass; candleholders; salt dips; toothpick holder; etched decanter; cake plate; relish condiment; brass sconces; vases; baskets; 1906 Born fabric fashion catalog; watches; pocketknives; binoculars; lamps; record albums; CD's; DVD's; cassettes; 8-tracks; lots books: Snake oil tin: old coffee grinder; wood butter mold & paddle; pink depression cookie jar & dish; green glass; handpainted plates: Pvrex: Tupperware; paper shredder; Turkey platter; beer glasses; set blue glasses; large Pepsi Santa; needlework; candles; silverware; what-not shelves; figurines; costume jewelry; 2 Nikon cameras; refrigerator dishes; kitchen appliances; vacuums; ceiling fans; 2 gallon Red Wing & 2 other crocks; umbrellas; Sonic super ear: tins: electronics; picnic basket; manual typewriter; games; picture frames; cheese crocks; floral arrangements; blankets; pillow cases; tablecloths; doilies; handkerchiefs; bedding; neckties; sewing box; old cigar & advertising boxes; scale; Ninja; medical assist equipment-walkers, transport chair, swivel bath chair;

stagecoach models; post cards; Valentines; office supplies; golf items: poker game: napkins & rings; steak knives; nut cracker; rock fruit; copper molds; grill; ironing board: Revere ware: Teakwood: kitchenware: copper kettles; canning jars; 2 toaster ovens; luggage; bag chairs; utensils: canisters: kitchen Budweiser & Coleman coolers; roasters; canners; ice cream freezer; die cast & other toy cars: 2 Eddie Bauer bicycles yard art; large cast iron butchering kettle; pedal grindstone; washtub; large house jack. Snow Chief snow blower: old-

er Snapper riding mower (not running); wheelbarrows; 2 lawn spreaders; 6' aluminum step ladder; bench grinder on stand; circular saw; hammers; files; clamps; pipe cutter; pliers; bolt cutters: knives; draw knife; punches; planes; chisels; paint supplies; drills; socket sets electric screwdriver; hand tools; chain saws; 4 wood ladders; post driver; iron bars; weedeaters; air compressor; shovels; hatchets; bench; bug fogger; new hoses; motors: heaters: electric fencer: sander; wrenches; saws; garden tools; fire extinguisher; bars; anti-freezer; oil products; funnels; bottle openers; ice picks; cheese boxes; advertising thermometers; milk can; glass blocks; stirrups; yardsticks; lanterns; advertising anvil & ashtray; fishing tackle; 2 wheel dolly's; plant hooks; milk crates; plastic patio set; wood porch swing; cabinets; Lots More

CHARLES & MARY BEASTERFELD **GANNON REAL ESTATE & AUCTIONS VERN GANNON, AUCTIONEER** 785-770-0066 • MANHATTAN, KANSAS • 785-539-2316 www.gannonauctions.com VAUGHN & DONNA KLEINER ESTATE **GANNON REAL ESTATE & AUCTIONS VERN GANNON, BROKER/AUCTIONEER** 785-770-0066 • MANHATTAN, KANSAS • 785-539-2316 www.gannonauctions.com

lots Holiday decorations; Dirt Devil; printer; puzzles; wood

Grass & Grain, May 14, 2019 Perdue announces top sites for ERS and NIFA relocations

U.S. Secretary of Agriculture Sonny Perdue has announced the finalists of 136 Expressions of Interest received from parties in 35 states vying to become the new homes of the U.S. Department of Agriculture's Economic Research Service (ERS) and National Institute of Food and Agriculture (NIFA).

As part of the rigorous site selection process, USDA narrowed the Expressions of Interest list using a set of established criteria defined by USDA, NIFA, and ERS leadership. The criteria included:

Quality of Life: Subcategory examples include Diversity Index, Residential Housing Costs, Access to Healthcare,



Josi Schrader exhibited the supreme champion female at the Central Kansas Beef Classic in Salina. Her Charolais was also named supreme champion for the Central Kansas District.

REAL ESTATE AUCTION THURSDAY, MAY 16, 2019 — 7:00 PM Auction will be held at the Trinity United Methodist Church Basement 8th & Lincoln in CONCORDIA, KS Legal Description: NW 1/4 9-5-3 Cloud Co. Kansas The farm is 148.6 acres with 109.9 cropland and 38.7 trees located 1 1/2 miles North of John Deere on Highway 81 North of Concordia, Ks. (81 Highway & Wagon Road). Thummel Real Estate & Auction LLC is acting as seller agent. All state-ments made day of auction take precedence over printed material. TRINITY UNITED METHODIST CHURCH Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067





DESCRIPTION: Here is a unique opportunity for investors or home owners looking for that affordable spot to land. These four properties are clean and well-maintained currently as rentals. Tucked away all together in walking distance to the renown St. George Elementary school hey provide a great location in the center of town. For investment purposes contact Bill for additional information pertaining to rental and occupancy rates. **They are all four stick built homes.

- 101 W 1st-2 Bedroom/1 Bath-840 Sq ft
- 103 W 1st-2 Bedroom/1 Bath-840 Sq ft 105 W 1st-2 Bedroom/2 Bath-938 Sg ft
- 107 W 1st-2 Bedroom/2 Bath-938 Sq ft

OPEN HOUSE: SUNDAY, MAY 19 • 1-3 PM

REAL ESTATE Terms: Property sells AS IS, WHERE IS. 5% non-refundable down payment is required day of sale by check. Buyer must be able to close on or before July 3, 2019. Buyer needs bank letter of loan approval or funds verification. Cost of Owners Title Policy to be split equally between Buyer and Seller. All an nouncements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the Seller.

Check us out on Facebook & Online for more info www.kscrossroads.com www.facebook.com/KScrossroadsauctions www.fa

Crossroads Real Estate ANDREW SYLVESTER, Listing Agent/Auctioneer, 785-456-4352

BILL DISBERGER, Auction Coordinator, 620-921-5642 Auction uc TERRI HOLLENBECK, Broker/Owner, 785-223-2947

and Home and Community Safety Ranking.

Costs (Capital and Operating): Subcategory examples include Commercial Real Estate Costs, CPI Index, and Wage Costs.

Workforce: Subcategory examples include Labor Force Growth Rate, Unemployment Rate, and the Labor Force Population.

Logistics / IT Infrastructure: Subcategory examples include Lodging Availability, Proximity to Customers, and Airport Accessibility.

The top Expressions of Interest were reviewed in detail, and USDA selected a short list of locations offering existing buildings with sufficient space to meet ERS and NIFA requirements. In alphabetical order, the top three Expres-

sions of Interest under consideration are: multiple locations in Indiana, the Greater Kansas City Region in Kansas and Missouri, and the Research Triangle Region in North Carolina.

While not in the top three, these Expressions of Interest in alphabetical order remain under consideration as alternative locations should the top three locations not suit USDA's needs: St. Louis, Missouri and Madison, Wisconsin.

U.S. Sen. Pat Roberts applauded the Kansas City area being named a finalist in the search.

"There's no better place for ERS and NIFA to relocate than Kansas City," said Roberts, chairman of the Senate Agriculture Committee. "Moving the offices to Kansas City, in the middle of the country, close to stakeholders, should improve customer service and make efficient use of taxpayer dollars."

Sen. Jerry Moran echoed the sentiments.

"After months of advocating to Secretary Perdue that these agencies ought to be in the Kansas City area, I'm pleased to see USDA listed Kansas City as a finalist to be the headquarters of these critical agencies," Moran stated. "Kansas City is home to a highly skilled workforce as a result of the state's premier universities, research institutions, agricultural companies, and industry producer groups, and I am thrilled that it's a finalist for USDA's ERS and NIFA. The animal health corridor, stretching from Man-

hattan, Kansas to Columbia, Missouri, is the largest concentration of animal health companies in the world; our state is also the future home of the National Bio and Agro-defense Facility (NBAF), the nation's foremost animal disease research facility.

"The concentration of animal health companies and location of NBAF will not only complement the research capabilities of NIFA and ERS, but have also fostered a talented workforce that will help meet the personnel needs of USDA," Moran continued. "As a member of the Senate Agriculture Appropriations Subcommittee, I will continue advocating to Secretary Purdue and USDA that Kansas City be chosen as ERS and NIFA's new home."

USDA introduces debut of decision tool for new dairy margin coverage program

Agriculture Secretary Sonny Perdue has announced the availability of a new web-based tool - developed in partnership with the University of Wisconsin - to help dairy producers evaluate various scenarios using different coverage levels through the new Dairy Margin Coverage (DMC) program.

The 2018 Farm Bill authorized DMC, a voluntary risk management program that offers financial protection to dairy producers when the difference between the all milk price and the average feed cost (the margin) falls below a certain dollar amount selected by the producer. It replaces the program previously known as the Margin Protection Program for Dairy. Sign up for this USDA Farm Service Agency (FSA) program opens on June 17.

"With sign-up for the DMC program just weeks away, we encourage producers to use this new support tool to help make decisions on participation in the program," Perdue said. "Dairy producers have faced tough challenges over the years, but the DMC program should help producers better weather the ups and downs in the industry.'

The University of Wisconsin launched the decision support tool in cooperation with FSA and funded through a cooperative agreement with the USDA Office of the Chief Economist. The tool was designed to help producers determine the level of coverage under a variety of conditions that

will provide them with the strongest financial safety net. It allows farmers to simplify their coverage level selection by combining operation data and other key variables to calculate coverage needs based on price projections.

The decision tool assists producers with calculating total premiums costs and administrative fees associated with participation in DMC. It also forecasts payments that will be made during the coverage year.

"The new Dairy Margin Coverage program offers very appealing options for all dairy farmers to reduce their net income risk due to volatility in milk or feed prices," said Dr. Mark Stephenson, director of Dairy Policy Analysis, University of Wisconsin, Madison. "Higher coverage levels, monthly payments, and more flexible production coverage options are especially helpful for the sizable majority of farms who can cover much of their milk production with the new fivemillion-pound maximum for Tier 1 premiums. This program deserves the careful consideration of all dairy farmers."

For more information, access the tool at fsa.usda.gov/ dmc-tool. For DMC sign up, eligibility and related program information, visit fsa.usda.gov or contact your local USDA Service Center. To locate your local FSA office, visit farmers.gov/service-locator.

EPA takes next step in review process for herbicide glyphosate, reaffirms no risk to public health

AUCTION

Auction will be held at the National Guard Armory in JUNCTION CITY, KANSAS

CARS: • 1929 Plymouth • 1936 Buick • 1939 Packard 120

1948 Oldsmobile

BUGGYS inc. High wheel wooden fire hose cart; single seat horse buggy; wooden high wheel horse 2 seat cart. CAR COLLECTIBLES & OTHER COLLECTIBLES

1978 Vespa Piaggio moped; 1977 Vespa Piaggio moped;

1960s Honda scooter; Honda 50 motorcycle; 2 moped Pocket

Check website for pictures www.thummelauction.com Watch Next Week's Grass & Grain for listings!

LACER FAMILY COLLECTION

Auction Conducted By:

THUMMEL REAL ESTATE & AUCTION LLC • 785-738-0067

Rockers; racer go cart; soap box derby car; boat motors.

SATURDAY, JUNE 1, 2019 -

On April 30, the U.S. Environmental Protection Agency (EPA) took an important step in the agency's review of glyphosate. As part of this action, EPA continues to find that there are no risks to public health when glyphosate is used in accordance with its current label and that glyphosate is not a carcinogen. The agency's scientific findings on human health risk are consistent with the conclusions of science reviews by many other countries and other federal agencies. While the agency did not identify public health risks in the 2017 human health

risk assessment, the 2017 ecological assessment did identify ecological risks. To address these risks, EPA is proposing management measures to help farmers target pesticide sprays on the intended pest, protect pollinators, and reduce the problem of weeds becoming resistant to glyphosate.

"EPA has found no risks to public health from the current registered uses of glyphosate," said EPA administrator Andrew Wheeler. "Today's proposed action includes new management measures that will help farmers use glyphosate in the most effective and efficient way possible, including pollinator protections. We look forward to input from farmers and other stakeholders to ensure that the draft management measures are workable, realistic, and effective."

"If we are going to feed 10 billion people by 2050, we are going to need all the tools at our disposal, which includes the use the glyphosate," U.S. secretary of agriculture Sonny Perdue said. "USDA applauds EPA's proposed registration decision as it is science-based and consistent with the findings of other regulatory authorities that glyphosate does not pose a carcinogenic hazard to humans."

Glyphosate is the most widely used herbicide in U.S. agriculture and has been studied for decades. Glyphosate is used on more than 100 food crops, including glyphosate-resistant corn, soybean, cotton, canola and sugar beet. Non-agricultural uses include residential areas, aquatic areas, forests, rights of way, ornamentals and turf.

- 9:30 AM

Once the Federal Register notice publishes, the public will be able to submit comments on EPA's proposed decision at www.regulations. gov in docket # EPA-HQ-OPP-2009-0361. Public comments will be due 60 days after the date of publication in Federal Register. EPA's responses to the comments received on the draft ecological and human health risk assessments and the benefits assessment will be in the docket.

For more information about glyphosate, including the proposed interim decision and supporting documents, visit: https://www.epa.gov/ingredients-used-pesticide-products/glyphosate. The glyphosate draft risk assessments and supporting documents can be found at: https://www.epa.gov/ingredients-used-pesticide-products/ draft-human-health-and-ecological-risk-assessments-glyphosate.



OFFERED IN 4 TRACTS

GENERAL INFORMATION: These larms were recently acquired by an area bank and offer the opportunity to purchase good productive cropland in areas where land seldom changes hands. Visit www arrowprintco.com/ ottawacountyland.html or www.kretzauctions.com for soil naps, FSA photos and other information

TRACT #1: N/2 S/2 of 27-9-3W, less tract containing a church at the east end and a tract containing a home and out buildings on the west end. 73.49 acres tillable (all open), 57.49 acres fenced grass with small pond and 18.78 acres timber. Soil consists of Geary Sit Loam Class III and Hord Sit Loam Class I. 2018 taxes were \$1,712.00 based on 150.1 taxable acres.

TRACT #2: NW/4 of 9-11-3W, lying west of highway. 64.1 arcs (tilable (all open), 3.5 arcs waterways, balance timber and waste. Soil consists of Crete Class II and III; Geary Class III; and Hobbs Class II. Good irrigated farm with 700 gallon well. Sells with 2017 Valley Irrigation Pivot with pump (no motor). 2018 taxes were \$2,289.00 based on 73.8 taxable acres.

TRACT #3: N/2 of 9-11-3W, lying east of highway. 145.5 acress tillable (all open), 6.0 acress waterways, 33.0 acress meadow, balance waste, Soil consists of Crete Class II and III; Hobbs Class II; and grass is Edalgo Hedville Class VI. 2018 taxes were \$2,736.00 based on 185.5 taxable acres.

TRACT #4: N/2SW/4 of 14-11-3W, 71.8 acres tillable (all open) 9.5 acres waterways, balance waste and roadways, Soil is Cret-Class II; Geary Class III; Hobbs Class II; and Lancaster Class IV. 2018 taxes were \$1,340.88 based on \$1.23 taxable acres.

RECREATIONAL POSSIBILITIES:

Tract #I features creek and good thick timber. Are you tired of asking landowner's permission to hunt turkey and deer...give Tract#1 a look. It has enough firewood to last for generations.

TERMS AND CONDITIONS: 10% due day of sale, with balance due June 27, 2019. If for some reason title conveyance cannot be completed by June 27, 2019, buyer to pay 10% per annum interest on unpaid balance from June 27, 2019 until date sale is closed.

2018 real estate taxes and prior years paid by Selier. Title Insurance will be used with cost split equally between Buyer and Selier. Clay County Abstract & Title Company will serve as Closing Agent. All mineral rights owned sell with property. Property selling "as is" with no guarantees or warranties made by seller.

Announcements made at the auction take precedence: All information given is from sources deemed reliable, but not guaranteed. Property selling subject to easements, restrictions and reservations if now existing, Auction Company is representing the seller in this transaction.

FSA INFORMATION:

	Farmland Acres	Cropland Acres	Wheat Base/Vield	Corn Base/Yield	Sorghum Base/Yield	Soybean Base/Vield
Tract #1	156.68	73.49	30.11/34	18.05/58	6.11/47	6.14/23
Tract #2	73.00	67.67	55.10/31	0/0	.50/42	2.30/16
Tract #3	185.00	152.13	126.10/31	0/0	.30/42	5.00/16
Tract #4	80.63	80.55	31.40/25	0/0	0/0	4.50/16

The above are FSA estimates only and are not guaranteed.

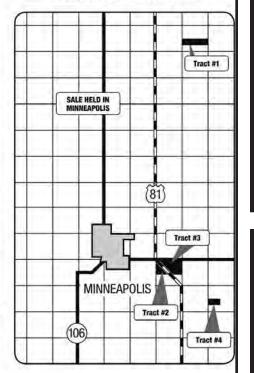


SALE CONDUCTED BY: CLAY COUNTY REAL ESTATE Greg Kretz, Salesman & Auctioneer Cell Phone: (785) 630-0701



Thursday, May 16, 2019 7:30 p.m.

Sale held at the Golden Wheel Senior Center 114 S. Concord Street, Minneapolis, Kansas



POSSESSION: Open Ground: Immediate Grass & Timber: Immediate

FINANCING: 85% of purchase price financing available to qualified buyers. If interested, contact Dennis or Kirk at the Solomon State Bank, 785-655-2941.



Subscribe to **Grass & Grain ONLINE** at: grassandgrain.com

ANTIQUE AUCTION MONDAY, MAY 27, 2019 — 10:00 AM Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS

FURNITURE Oak 48" S roll top desk w/2 door bookcase on top unusual; oak curved glass china cabinet; oak wash stand; dish cupboard; 2 door book case; cedar chest; walnut cabinet makers tool chest; 1 section stack bookcase; school desk; wood

handcrafted benches; Folk Art secretary & cupboard SIGNS, COLLECTIBLES & TOYS

trunk; 8 1960's office chairs; 2

HD Lee (Buddy Lee doll; Lees Lighting spoon; starch; wax; coffee; spices; Want Book; other tins & jars); WDK tins; Remington 1908 prints; walnut wall clock; Cabin Still thermometer: Sentry Hardware clock: double peanut machine; Roulette ball game; K State bottles; porcelain pulls from drugstore

cabinet; Miller & Bud (steins, mug, clocks, lights & signs); 10 cast iron banks; Mobil 1962 Worlds Fair tumblers; **Signs** inc (Mobil Oil w/Pegasus; Pontiac; Red Crown; Flying Wing Motor Diesel; Red Trailways; A & W root beer: Independent insurance tin; 1960 JD boy cardboard sign; Dunlop & Goodrich tire signs Webster Ks general store Strawberry Juliet cardboard sign; Nuehlebach beer cardboard sign w/stagecoach); Ashland, Mobilgas & Bay Gas glass globe lens; Erie clock face for gas pump; cast iron pump tops w/globe mount; cast iron lamp base w/wall mount & glass globes (Shell & Texaco); bus token machine lamp: Winchester adv boards from general store; Camel display; Black postcards & scrapbook; Lloyd

Wright dishes; 40 pc Hallmark; Hot Rod club plates; Christmas ornaments; Halloween items; 25 cap guns (Roy Rog-ers, Cowboy, Hubley, other); bakery Mixograph commercial mixer; Shoot Hoops gum ball machine; Oriental lamps; 4 Oriental vases; electric Aladdin lamp; Van Briggle lamp w/ shade; Fenton cranberry Gone W/Wind lamp; fire screen; 42 watch fobs several unusual; Sterling silver pcs; tobacco tins; knives inc: John Wayne, Elvis; horse pictures; Con trumpet; spurs; flat ware; 150 license tags; cast iron pots, skillets, buckets; glass minnow traps; 1919 Fordson tractor school photo: brass blade fan: cast iron skillets; wooden wagon; large assortment of other collectibles

NOTE: We have combined several collections, this is a large auction. Check our web site for pictures at www.thummelauction.com

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

Grass & Grain Area **Auctions and Sales**

Sealed Bid Land Auction (bids submitted no later than 12 pm May 31) - 251 acres m/l including cropland, timber & grass. Mishler Law Office in Sabetha.

May 14 — 160 acres m/l of Geary County land including pasture, brome, hay meadow, wildlife habitat and pond held at Junction City. Auctioneers: Gene Francis & Associates Real Estate Brokers & Auctioneers.

May 16 — 146.8 acres Cloud County cropland & trees held at Concordia for Trinity United Methodist Church. Auctioneers: Thummel Real Estate & Auction, LLC.

May 16 — 489 acres m/l Ottawa County farmland offered in 4 tracts held at Minneapolis for Solomon State Bank. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

May 18 — Tractor, boat & misc. equipment, milling equipment & supplies, shop tools & misc., collectibles, household & more at Buhler for William (Bill) & Norma Schrock. Auctioneers: Morris Yoder Auctions.

May 18 — Oak & walnut furniture, appliances, antiques, collectibles, tools & more at Manhattan for Glen & Barbara Lojka. Auctioneers: Gannon Real Estate & Auctions.

May 18 — Farm machinery & antique farm machinery, 4-wheeler, gooseneck trailer, windmill parts, Honda 50 mini bike, small engines, household, furniture & more at Turon for the Schlatter collection. Auctioneers: Nixon Auction & Realty, LLC.

May 18 — Tractors, equipment, shop items & tools held at Americus for property of Ron & Susan Grother. Auctioneers: Griffin Real Estate & Auction Service, LC.

May 18 — Trucks, trailers, tractors, ATVs, machinery, haying & livestock equipment held near Maple Hill for Mill Brae Ranch. Auctioneers: Rezac Auction Service.

May 18 — Pickups including a 1961 Corvair 95 pickup, cars including a 1962 Corvair Monza, advertising including auto signs, oil signs, tire signs & more held at Junction City for Pat Powers Estate. Auctioneers: Thummel Real Estate & Auction. LLC.

May 18 & 19 — Selling 5-18: Pickups, trailer, winch, ATV Arctic Cat ATV, motorcycle, power tools, tools, tool cabinets, outdoor, lawn & garden & more. Selling 5-19: Guns (long barrel, hand guns), bow, air rifles, ammo, outdoor misc. & more. Both auctions held at Beatrice. Nebraska (in different locations) for "Skip" Robert Paul Gray Estate. Auctioneers: Jurgens, Henrichs, Hardin & Sommerhalder. May 19 — Real Estate (3BR, 2BA home), antique furniture, old pedal fire truck, collectibles, doll collection at Rossville for Lois Troxel. Auctioneers: Gannon Real Estate & Auctions. May 19 — Over 150 guns at Salina for consignment auction. Auctioneers: Wilson Realty & Auction Service. May 20 — 76.3 acres m/l of Lincoln County farmland held at Westfall for William Patton. Auctioneers: Thummel Real Estate & Auction, LLC. May 21 - 188 acres m/l of Riley County pastureland with pond & spring held at Keats for Carl & Lorene Sinn. Auctioneers: Gannon Real Estate & Auctions.

County land with potential building opportunities held at Wamego for Rawson Family. Auctioneers: Crossroads Real Estate & Auction, LLC.

May 22 — Modular home at auction held at Salina. Auctioneers: Wilson Realty & Auction Service.

Online Auction Opens May 22, 10 a.m. (begins to close May 29, 10 a.m.) -Selling tractors, trucks, equipment & more held online at www.dlwebb.com for Vern & Karen Knoche. Auctioneers: Dave Webb, Webb & Associates, Auctions & Appraisals.

May 23 — Tractor & loader, trailers, rotary mower, tools, antique square front china cabinet, commercial shelving, collectibles, household & more at Eskridge for Charles & Mary Beasterfeld. Auctioneers: Gannon Real Estate & Auctions.

May 23 - Art Work, collectibles, furniture, household & misc. at Baldwin City for Mrs. (John) Evonne English Living Estate. Auctioneers: Elston Auctions.

May 25 — Farm machinery including tractors, farm equipment & collectibles held at Home City for Keith & Donna Fincham. Auctioneers: Olmsteds & Sandstrom.

May 25 — Crocks including 99 Red Wing, mini advertising jugs, churns, Mercury jugs, salt glaze, Union ovals & more and advertising & collectibles at Salina for Charles Tincher. Auctioneers: Thummel Real Estate & Auction, LLC.

May 26 — Advertising auction including signs, clocks, thermometers, bottles, Coke trays, menu boards, buttons, KU items, coffee tins, Original 1896 Wheeling Pottery Coca Cola syrup dispenser at Salina for Bill Tackett Collection. Auctioneers: Thummel Real Estate & Auction, LLC.

May 27 — Furniture, signs, collectibles & toys at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

May 28 — 146.95 m/l farmland acres held at Salina. Auctioneers: Horizon Farm & Ranch Realty, LLC.

June 1 — Real Estate (17 acres located right inside the Rock Creek School District with multiple outbuildings & home); household, furniture, antiques, appliances, tractors, implements, drywall & shop tools, livestock equipment, lawn mowers & garden tools, skid steers & attachments, vehicles, trailers & attachments held at Wamego for Ron & for Wayne Cravens. Auction-Ruth Walsh. Auctioneers: Foundation Realty, Morgan Riat.

D100 1/2T 4WD pickup, 1950 Ford 1T truck w/hoist, vehicles, aermotor windmill, collectibles, household at Randolph for Richard & Marlys Gardner. Auctioneers: Gannon Real Estate & Auctions.

June 1 — Real Estate (2 BR, 1 BA home) & personal property held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

June 1 — Cars including 1929 Plymouth, 1936 Buick, 1939 Packard, 1948 Oldsmobile, buggys, car collectibles & other collectibles held at Junction City for Lacer Family Collection. Auctioneers: Thummel Real Estate & Auction, LLC.

June 1 — IH Farmall collector tractors, trucks, tractors, equipment, toys, household & much more at rural Lawrence for Ron & Dolores O'Neil. Auctioneers: Elston Auctions.

June 2 — Trailer, UTV, Jeep, tractors & equipment, vintage & collectible tools & farm related items held at Americus for Mr. & Mrs. Larry White. Auctioneers: Wischropp Auctions, Wayne Wischropp & Flint Hills Auction, Gail Hancock.

June 2 — Real estate (3BR, 2BA home, 2 car attach. garage, utility shed), 1994 Buick Regal, IH "H" Farmall tractor, lighted china cabinet, appliances, furniture, collectibles, snow blower, lawn items & more at Wamego for Vaughn & Donna Kleiner Estate. Auctioneers: Gannon Real Estate & Auctions.

June 4 — Real Estate: 4 rental properties held at St. George. Auctioneers: Crossroads Real Estate & Auction, LLC.

June 6 — Skid steers, tree removal equipment, 22 ft. boat, ZTR mower, tools & misc. at Clay Center for Cary Laflin. Auctioneers: Kretz Auction Service.

June 8 — Skid steer loader, tractors, gooseneck deck trailer, machinery, shipping container unit, welders & plasma cutter, shop equipment & tools, 4-wheeler, lawn & garden equipment, barber's chair, collectibles, household goods & misc. held just West of Plymouth, Nebraska for Randy Vogt. Auctioneers: Jurgens, Henrichs, Hardin, Sommerhalder.

June 8 — Auction at Lawrence for Roger & Sue Pine. Auctioneers: Elston Auctions.

June 15 — Farm implements, trucks, trailers, tractors & hay equipment, tools & misc. & more at Manhattan

eers: Foundation Realty, Mor-

with guns, great tools, mow-

ers, trailers, camper trailer,

June 15 — Large auction

gan Riat.

household at Burlingame for Dick & Dorothy Kohout. Auctioneers: Wischropp Auctions.

June 15 — Collector cars including 1968 Chrysler Imperial Crown, 1966 Chevy Corvair Monza, 1955 Chrysler New Yorker, 1961 Volkswagen Beetle, 1936 Ford, 1924 Ford Model T & more, trucks, tractors including 1938 McCormick Deering, engines & collectibles, motorcycles, lawn equipment & tools held at Russell for Russell T. Townsley Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

June 15 — Collector truck. vehicles, tractor, nursery items, tools, hunting, fishing, household & much more at Basehor for Eva Bates Trust. Auctioneers: Elston Auctions.

June 22 — Farm machinery, livestock equipment, trucks, tools & more at Greenleaf for John R. Walter Estate. Auctioneers: Bott Realty & Auction.

June 22 — Auction to be held at rural Baldwin for Chris Ogle. Auctioneers: Elston Auctions.

June 27 & 29 — Selling 6-27: tools. Selling 6-29: Antiques, collectibles, household & more both days held at Salina for Glen & Elaine Headley. Auctioneers: Thummel Real Estate & Auction.

July 13 - NE Kansas Absolute Real Estate & personal property (Livestock starting & growing facility) sold in 4 tracts held at Valley Falls for Kelly & Kim Kirkham. Auctioneers: Harris Real Estate & Auctions, LLC.

July 13 & 14 — Estate Auction #1 & #2 held at Lawrence for Waneta Turner Estate. Auctioneers: Elston Auctions.

July 20 — Estate auction held at Lawrence for Ellen Le-Compte Estate (The Trust Co. executor). Auctioneers: Elston Auctions.

July 27 — Firearms, coins, farm toys held at Lawrence for Melvin Krumm Estate, Northwood, Iowa). Auctioneers: Elston Auctions.

August 10 — Farm machinery, livestock equipment & misc. held Southwest of Abilene for Mark & Patricia Berns. Auctioneers: Kretz Auction Service.

August 26 — Farm ma-chinery & misc. held South of Abilene for Gene & Cindy Hoffman. Auctioneers: Kretz Auction Service.

September 7 — Estate auction $\hat{#}3$ at Baldwin City for Waneta Turner Estate. Auctioneers: Elston Auctions.

September 14 — Estate auction held at Lawrence for Ken Wehmeyer Living Estate. Auctioneers: Elston Auctions.

calendars easier to use By Wendie Powell. **Livestock Production** agent, Wildcat Extension District

Technology has been developed that makes many things in our lives much easier. Some of you may remember when you were the "remote control" when your Dad was watching TV. Now, new homes have heating, alarm and lighting systems throughout that can be controlled remotely with a smart phone. Cattle producers use electronic IDs to automate many data collection activities. Computer applications seem to only be limited by our imagination.

Our beef Extension educational efforts have often pointed out timely management topics. For example, now is the time to sample harvested forages and get an analysis of the quality. Some of those items would relate to time of year, while others would depend on the individual operation's calving and breeding dates. So, while those suggestions are timely for most (we hope), they certainly do not fit everyone.

Taking advantage of available technology, producers now have a tool called the Management Minder. This application will help you add as many reminders for management topics to a yearly production calendar as you would like, all based on the specific times that you calve, go to grass and wean in your operation. Examples include starting nighttime feeding before calving starts to promote births during daylight hours or ordering vaccines and supplies for weaning or pregnancy checking.

The Management Minder allows you to input your operation's factors: calving season,

weaning season and grass turn out, and then select management tasks to add to your specific calendar. For example, based on the expected start of calving in your operation, a reminder to start evening feeding defaults to two weeks prior to the due date and can be further adjusted as you like. The program creates an "ics" file, which communicates dates and times to calendar programs such as Outlook, Google and Yahoo. The ics file is sent to your e-mail address and allows you to import the data into the appropriate calendar.

Page 11

If you don't want to let underappreciated dates such as the start of the third trimester of gestation creep up on you, utilize the Management Minder to get it on your calendar. The program saves your dates, and once set up, you can roll them into the next year. It is a great tool to communicate management plans with your veterinarian or other members of your team. You can find the Management Minder at www. KSUBeef.org/Management-Minder.

For more information, contact wendiepowell@ksu.edu. Livestock Production agent, (620) 784-5337.

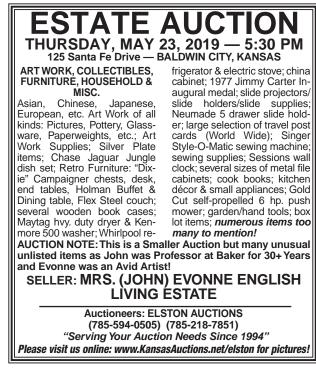


NO SMALL ITEMS ... BE ON TIME! Lunch by Maple Hill Hustlers 4-H MILL BRAE RANCH, SELLER Mark Nikkel, managing partner Cell phone 785-256-3072 • Home 785-256-4327

See last week's Grass & Grain for listings & pictures can be viewed on www.millbraeranch.com and www.rezaclivestock.com Rezac auction page Dennis Rezac, Auctioneer Clerked by Rezac Auction Service Cell: 785-456-4187 • Home: 785-437-6349

May 21 — Pottawatomie

June 1 — International 300 tractor w/loader, 1976 Dodge



REAL ESTATE AUCTION MONDAY, MAY 20, 2019 - 7:00 PM Auction will be held at the Community Center Fire Station in WESTFALL, KANSAS

Legal Description: W 1/2 SW 1/4 6-13-6 Lincoln Co., Kansas

The farm is located 1 1/2 miles West of Westfall to 250th Road then 1 mile North to Fox Drive on the Northeast corner of 250th Road & Fox Drive. The farm is 76.3 acres with 61.1 CRP acres with the balance native grass & trees. The CRP payment is \$46.16 per acre. The contract expires on September 30, 2020. The purchaser will receive the 2019 and 2020 payments. The purchaser will maintain the CRP contract.

Seller will pay 2018 and all prior year's taxes. Purchaser will pay 2019 taxes. 2018 taxes were \$2,080.00.

Possession: Possession will be upon closing on or before June 30, 2019.

Terms: 10% of purchase price as down payment day of auction, the balance will be due upon closing on or before June 30, 2019. Down payment will be escrowed with Land Home Title. Escrow fees will be split 50/50 between seller & purchaser. Title insurance will be used the cost will be split 50/50 between seller & purchaser.

Thummel Real Estate & Auction LLC is acting as seller agent. All statements made day of auction take precedence over printed material.

ΔυςτιοΝ SATURDAY, MAY 25, 2019 — 10:00 AM Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS CROCKS ber list for a complete de-

There are 99 Red Wing crocks including: 1, 3 & 5 gal w/wing & oval Waconda jugs; crocks; water coolers; churns; jugs; koverwate; 20 Ib. butter; chicken waters; refrigerator jars; German spittoon; mini advertising jugs; Mercury jugs; there are large wings; salt glaze; union ovals; bottom marked; the crocks are numbered, check our pictures and numscription of crocks ADVERTISING & COLLECTIBLES

Signs inc: porcelain barber pole; Hair Bobbins; Wild-root; Vicks; ExLax; Nugrape; Whistle; John Gessert & Friedman-Shelby shoes; Bell telephone; Thermometers inc: Coke, Nugrape, Mason, RC, Hires, Peters Shoes; Coke door push; gum signs; Coke trays; Red Wing potato & flour sacks; wooden boxes inc: Cokins Red Wing beer; military picture; flat top trunk; oak medicine cabinet; oak wall hat rack; cast iron windmill weights (10' chicken, Hummer rooster, long tail horse); lamps; wooden sugar buckets; wooden bowls; cast iron parrot door stop; cast iron building star; 4 quilts; coffee grinder; granite ware; cracker & spice tins; tokens; books; other collectibles.

Note: Charles has collected for many years. This is a very quality collection. Check our web site for pictures and complete description of crocks at www.thummelauction.com

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

ADVERTISING AUCTION SUNDAY, MAY 26, 2019 - 10:00 AM

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

SIGNS, CLOCKS, THERMOMETERS, BOTTLES Signs inc: (Nichol Kola; King Kola; Wonder; Vernors; Dixi-Cola; Whistle; Drink Bi-releys; Jac Jic; Cleo Cola; Twin-Orange; Whiz; Hires; Fresca; Tab; Teem; Pepsi; Coco Cola; Sauit; JUB; Coko Coca Cola; Squirt; 7 UP; Coke button; Orange Crush; Royal Crown; Squirt; Dr Pepper; Squeeze; *Clocks inc:* (Dr. Pepper long regulator; Krist; Coca Cola; Frostie; Nesbitts; Royal Crown; Dr. Pepper; Diet Rite Cola); *Thermometers inc:* (Coca Cola; Dr. Pepper; Royal Crown; Team; Nesbitts; Pepsi; Barqs; NuGrape; Orange Crush; Mission Orange; Grapette; Bubble Up); Sunbeam Bread girl thermometer; Menu Boards inc. (Squirt; Pepsi; Coca Cola; Nesbitts; Orange Crush; Nehi; Bub-ble Up; Hires; Vess; Barq's; Mason; Kayo; Sun-drop;

Sun-crest); Buttons (Pepsi; Coca Cola; Bireleys; Mason; Jac Jic; Orange Crush; Dr. Sweets Root Beer); Nesbitts mileage charts; Coke Trays (1925, 1929, 1935, 1953-1960, 1950-52); 1920 Nu Grape tray; Pop bottles 700+ inc: (Blue Jay; Hornet; Old Faithful; Beehive; Col Albert Lea: Mountain Dew w/filled by signatures inc: Maw & Paw; Vess; Virginia Dare; K Orange; Whistle; White Rock; Nemo; Woosies; 30-30; Lift; Zip; Pilot; Polly's Soda; Donald Duck; Players; Yankee; Long Tom; many other); Embossed bottles (wood case full Star Salina; Geuda Springs, Ks.; Blue Valley; Big Chief; Jumbo; Seg's Big One; Uncle Joe; Mankato; Serenaders KC; many other Kansas towns); Coke convention bot-tles (1950, 1955, 1957, 1958, 1959 plus 13 other in 1960's

& 70's; KU items (1st Jayhawk basketball team picture 1899-1900; Big 8 basketball; 2004 Final Four basketball; 1990-91 Final Four basketball signed; several early pendant's); **150 coffee tins** inc: Universal Uncle Sam; Bureau of Coffee info w/tin & coffee samples; Victor; New Life; Royal Scarlet; Holland House; Equator; Orchard Park; Yellow Bonnet; Condor; Berma; New Life; T & T; Royal Scarlet; Campbell Holton; Golden Son; Deep-Rich; Kroger; McLaughlin's; White House; 18-K; Pom Co; Carruthers-Jones Shoe Co. lady picture calendar; Vienna Art plates; Orange Crush light; 50's Buddy L Coke truck;

ORIGINAL 1896 WHEELING POTTERY COCA COLA SYRUP DISPENSER

NOTE: Bill collected for many years. This is a very quality collection. Check our website for pictures at www.thummelauction.com

BILL TACKETT COLLECTION Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC 785-738-0067

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





Three Wheel Roping

I've always sorta figgered the reason there is more cowboy poetry than there is farmer poetry has to do with horses. Most cowboy poetry is about wrecks. One person plus one cow equals a wreck now and

then. One person plus one cow plus one horse equals a wreck every time! But then farmers discovered the three-wheeler! Honda invented the ATV! It was the farmer's first real horse replacement, complete

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with speed, weight, maneuvering, swerving, rolling, flipping, crashing and getting bucked off! The bonus was... they became a great inspiration for Cowboy/Farmer poetry!

Kelly was workin' for John, his brother and his dad. They were farmers who ran steers on wheat pasture in western Oklahoma. They didn't use horses. They used three-wheelers but they treated them like horses.

John had spotted a snotty nose so he picked up Kelly and they drove back out to find the critter. Kelly sat in the seat behind John as the three-wheeler sailed over the sandy wheat field. John pointed to a brockle calf with a little ear. He was a tad wasty and looked to weigh about 600 pounds. "Rope him!" directed John as he goosed the tricycle and snapped Kelly's neck. They flew across the field toward the fence. John followed the racing calf, swerving from side to side. "Rope him!" he screamed.

Kelly was standing, tears streaming from his eyes, sand stinging his face and trying to swing a loop over the top of Kingfisher county's answer to Evil Knievel.

"Git on the other side," hollered Kelly, swingin' his left-hand loop at the steer on the wrong side.

"This is as close as it gits," yelled John, "Throw it!"

Kelly fired a bullet of a loop. It looked like a monkey ropin' a gnu off the back of a galloping triceratops. He caught the steer! Now what? Kelly was gatherin' slack as

John hazed the steer. John grabbed the tail of the rope and tried to dally to the handlebars.

The steer stumbled at the fence. Kelly bounced over the pilot, hit the dirt and managed to take a wrap on one of the creosote posts. When the steer hit the end of the slack the post broke off catapulting Kelly into the tangle. He clung to the post till the steer slowed to a crawl.

Over the horizon came John's brother Steve and their dad. They were pullin' the fishtailin' stock trailer behind the careening pickup. Kelly was plowing a furrow and poundin' his pockets full of sand when Steve leaped out.

He dropped the tailgate and, just like it was choreographed, the steer jumped toward the trailer.

"Let go of the post, you dummy!" shouted Steve, 'You'll get hurt." Kelly did. Like a sling-

shot, the post left his grip and whacked Steve square on the butt. His head hit the crossbar above the tailgate and he executed a complete backflip. John and his dad slammed the tailgate on the steer (and Steve, who hung like a gutted whitetail from the highest slats).

Time has gone by and 4x4s have replaced the three-wheeler. And it has its advantages, but neither three-wheelers or four can beat a horse and cowboy with a rope in his hand for gettin' the job done and makin' a good story.

www.baxterblack.com



4 DIK	Clatin	544@168.00	12 DIK	HIIISDOrO	@2225.00
36 mix	Clay Center	568@168.00	5 bwf	Hillsboro	@2225.00
3 blk	Longford	525@166.00	6 blk	Inman	@2225.00
22 mix	Miltonvale	606@163.00	13 blk	Lindsborg	@2210.00
3 blk	McPherson	628@160.00	6 red	Newton	@2200.00
26 blk	Salina	693@143.00	13 blk	Hanston	@2050.00
16 mix	Miltonvale	734@141.50	16 blk	Hanston	@2025.00
10 blk	Junction City	711@141.00	5 blk	Hanston	@2025.00
10 blk	Hunter	714@139.00	0.0	REPLACEMEN	
62 mix	Enterprise	855@129.75	10 blk	Delphos	722@1260.00
55 mix	Sedgwick	894@129.25	13 red	Marion	817@1250.00
62 mix	Hope	874@129.00	32 red	Marion	825@1235.00
60 mix	Minneapolis	892@128.00	16 red	Marion	825@1200.00
57 blk	Lincolnville	978@121.25	10 leu	PAIRS	
57 DIK	HEIFERS	970@121.25	27 red	Salina	5 @ 2200.00
2 616	Claflin	200@167.00			3 to 4 @ 2175.00
2 blk		308@167.00	6 red	Lincoln	
3 mix	Lehigh	323@166.00	6 red	Bennington	5 @ 2100.00
26 mix	Clay Center	433@165.50	12 red	Bennington	5 @ 2100.00
7 blk	Little River	381@165.00	10 red	Bennington	6 @ 2075.00
3 blk	Little River	323@165.00	17 blk	Ellinwood	4 to 5 @ 1075.00
6 blk	Claflin	351@165.00	11 blk	Ellinwood	4 to 5 @ 2035.00
6 blk	Claflin	418@163.00	6 blk	Salina	5 @ 2025.00
9 blk	Abilene	412@162.50	3 red	Durham	4 to 5 @ 2000.00
11 blk	Abilene	459@158.00	4 blk	Holyrood	4 to 5 @ 2000.00
7 blk	Little River	421@155.00	14 blk	Ellinwood	4 to 5 @ 2000.00
4 blk	Salina	449@155.00	11 red	Sawlina	6 @ 1975.00
25 mix	Clay Center	497@154.00	4 blk	Inman	4 to 5 @ 1950.00
6 blk	Claflin	503@152.00	8 red	Bennington	6 @ 1850.00
21 mix	Miltonvale	605@150.00	9 blk	Ellinwood	6 to 7 @ 1825.00
6 blk	McPherson	578@149.00	12 red	Bennington	7 @ 1675.00
10 red	Hutchinson	557@148.00	6 blk	Burden	7 to 8 @ 1500.00
28 mix	Clay Center	575@147.00	2 blk	Salina	broken @ 1375.00
6 blk	Claflin	572@146.00	5 blk	Culver	broken @ 1325.00
6 char	Lindsborg	616@145.00	0 bitt	FALL BRED	
2 blk	Hunter	503@145.00	30 blk	Kansas City, MC	
15 mix	Miltonvale	663@144.00	7 bwf	Westmoreland	3 to 5 @ 1600.00
2 mix	Hutchinson	633@144.00	28 blk	Leoti	3 to 5 @ 1585.00
10 blk	Clay Center	628@144.00	30 blk	Westmoreland	3 to 5 @ 1585.00
7 blk	Salina	618@141.00	21 blk	Weskin	3 to 5 @ 1585.00
23 mix	Salina	663@139.50	10 mix	Burden	3 to 5 @ 1575.00
	AY, MAY 6 CATTLE		20 blk	Leoti	3 to 5 @ 1560.00
	HOGS	a HUG SALE.	24 blk	Leoti	3 to 5 @ 1560.00
1 fot		200@50.00			3 to 5 @ 1560.00
1 fat	Agenda	280@58.00	8 red 23 blk	Westmoreland Leoti	3 to 4 @ 1550.00
1 sow	Victoria	695@57.00			
2 fats	Tescott	303@57.00	28 blk	Ellinwood	4 to 5 @ 1550.00
25 fats	Tescott	288@55.00	24 blk	Leoti	3 to 5 @ 1535.00
3 fats	Newton	287@53.75	8 bwf	Leoti	3 to 4 @ 1525.00
2 fats	Solomon	293@53.50	8 blk	Canton	3 to 5 @ 1525.00
	CALVES		28 red	Leoti	3 to 5 @ 1510.00
1 blk	Marion	225@500.00	48 blk	Leoti	3 to 5 @ 1500.00
4 blk	Gypsum	231@485.00			

IN STOCK TODAY: • Heavy Duty Round Bale Feeders • 6'8" x 24' GOOSENECK STOCK TRAILER METAL TOP 6'8" X 24' GOOSENECK STOCK TRAILER

SATURDAY, MAY 18!

SPRING SPECTACULAR HORSE SALE! Starting at 10 AM



Lot #94 in Catalog





Lot #42 in Catalog

May 17 @ 1 PM Rope Horse Preview • May 17 @ 6 PM Ranch Horse Competition May 18 @ 7 AM Rope Horse Preview • May 18 @ 10 AM Spring Spectacular Horse Sale



Lot #46 in Catalog



Lot #75 in Catalog

