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Lindsborg Old Mill and Swedish Heritage Museum celebrates agriculture history

By Donna Sullivan, Editor

Towering four stories above the Smoky Hill River in Lindsborg and a testament to the importance of agriculture to the region is the 1898 Roller Mill. Now the centerpiece of a 15-acre museum complex owned and managed by Lindsborg Old Mill & Swedish Heritage Museum, a non-profit organization, the mill beckons visitors to experience the rich history of flour milling and the role it played in the life of the community surrounding it.

Closed in 1955, the mill is actually the third to have been built on that site, the first being a water-powered flour mill built by Charlie "Qvarn" Johnson in 1872. Johnson sold the mill to J.G. Bergsten and Francis Johnson in 1882. By 1886 the water-powered mill was grinding wheat for customers across Saline and McPherson counties and had developed a strong reputation for producing a quality product. Bergsten made the decision to convert and expand the mill into a roller mill and soon leased it to German-born Theodore Teichgraeber, who had learned milling from his father before emigrating to the United States at the age of 22. By 1889 he was the master miller.

The mill fell victim to floods in 1891 and 1903 and a fire in 1898 devastated most of the structure. Plans were made for a 100-barrel brick mill complete with an office, dump and wagon scale, as well as grain conveyors, elevator booths, water turbines and a steam generator. The new mill was turning out grain within six months. After changing hands a couple of times, under the ownership of the Runbeck brothers who created a special pancake mix, the mill survived the Dirty Thirties and prospered during WWII by selling to major state institutions and the Independent Grocers Association. It was converted from water to steam power in the 1930s. Unable to compete with the national milling companies, the Smoky Valley Roller Mill was closed for good in 1955. The Runbeck family deeded the property to the McPherson County Fish and Game Commission in 1959 and in 1962 it was deeded to McPherson



Tom Whitaker, right, explains the workings of the mill during a Millfest Day tour on Saturday, May 7 in Lindsborg.



School-aged children had their own special Millfest Day on Friday, May 6 where they had the opportunity to experience many facets of agriculture and craftsmanship.

Lindsborg Old Mill & Swedish Heritage Museum photos

County to be developed into a park and historical museum. For nearly ten years the mill sat abandoned, with time and the elements taking their toll on the once-commanding structure. Then Malcolm Esping of Lindsborg realized it was the only remaining water-powered mill in Kansas that contained all its original machinery and formed an advisory committee in 1971 to begin the process of preserving and restoring the old mill. In 1972 it was entered in the National Register of Historic Places, fueling Esping's vision of seeing it fully restored. Smoky Valley Historical

Association took over responsibility for the mill that same year and fundraising efforts began. The first Smoky Valley Millfest was held August 12-15 in observance of the 100th anniversary of the arrival of Turkey Red winter wheat in Kansas, brought to the state from the Ukraine in the 1870s.

Esping and his committee continued to fundraise until the mill was restored to its original operating condition, a project that was completed on March 31, 1981. Using current day costs, it's estimated the restoration's price tag was \$300,000 in parts and labor, not including the

thousands of volunteer hours that were logged. On April 1, as many old-timers and local residents looked on, the switch was thrown on the old mill and flour was milled. The mill held its final "live grind" in 1981. On the first Saturday of May each year, it operates all day, although not grinding grain, to give visitors the chance to hear it 'rumble and run' as it did in its glory days.

A Millfest for Kids was held Friday May 6, and 630 children and adults from fourteen different school and homeschool groups were welcomed to the grounds, according to Lenora Lynam, direc-



Karmon Almquist also gave guided tours of the mill.



Janie Tubbs was one of the artisans giving demonstrations during Millfest Day, showing the art of basket weaving.

tor of the Lindsborg Old Mill and Swedish Heritage Museum. "We had 23 different demonstrators set up on the grounds for the kids to visit which included: blacksmithing, basket-making, one-room school sessions, weaving, mule-drawn wagon rides to mention just a few," Lynam said. The following day approximately 340 people came and enjoyed a guided tour of the running flour mill. The event also featured a quilt show by the McPherson Quilt Guild, music on the front porch, food trucks on the front lawn and craft demonstrators set up in the Heritage Square Village.

Now in 2022, the mill is considered to be in stable condition, but the list of recommended restoration and repair items is greater than the government

or private money currently available. Those items include repairing portions of the ground-level foundation, water damage to the mill and adjacent powerhouse and porch areas. Donations for the repair projects are appreciated and can be made by contacting museum staff at oldmillmuseum@gmail.com or 785-227-3595.

The Lindsborg Old Mill and Swedish Heritage Museum complex is open Monday through Saturday, 9 a.m.-5 p.m. and is also available for private tours. It includes a variety of historic buildings across the street in the Heritage Square Village, a shaded, grassy Riverside Campground and several roofed or shaded green spaces. It is available for events and venue rentals.

K-State's John Leslie to serve as Jefferson Science Fellow

A Kansas State University distinguished professor of plant pathology will spend the next school year on assignment as a Jefferson Science Fellow in the U.S. Department of State's Office of Global Food Security.

John Leslie is among 14 individuals nationwide



selected as 2022-2023 Jefferson Science Fellows. Established in 2003 as an initiative of the Office of the Science and Technology adviser, the Jefferson Science Fellows Program is designed to build science, technology and engineering expertise within the State Department and the U.S. Agency for International Development. The program is open to tenured or similarly ranked senior faculty from U.S. institutions of higher learning who are U.S. citizens.

Jefferson Science Fellows spend one year as science advisers at the State Department or USAID, providing expertise on issues relevant to foreign policy or international development. Assignments are tailored to the needs of the hosting office and

utilize the fellow's interests and areas of expertise. Following the fellowship year, fellows return to their home institutions and academic careers but remain available to the U.S. government as experienced consultants for short-term projects.

As a member of the 19th class of fellows, Leslie will help strengthen the Department of State's interactions with scientists and academics in the United States and elsewhere in the world. His expertise in agriculture, biotechnology, genetics, and food safety and security will provide immediate answers to food-related problems or quick connections to others in the field with the right expertise. Leslie's responsibilities in the Global Food Security Office will mirror portions of the agricultural, biosecurity and biosafety emphases in the K-State Economic Prosperity Plan.

Concerns of Kansas farmers and ranchers are not uncommon in other parts of the world. Leslie believes international cooperation is the best way to both address and solve these issues and synthesize new approaches to these problems.

"My career as a scientist has focused on discerning and describing new facts and relationships to provide a better understanding of the world and how it works," Leslie said. "As a Jefferson Science Fellow, I get to use my knowledge of scientific facts and processes to help ground U.S. foreign policy in science, to employ K-State values and experiences to help shape the way our country interacts with the rest of the world, and to bring back to Manhattan knowledge of food security policy that will inform and guide activities within the K-State community."

A fungal geneticist, Leslie is a recognized expert in fungal systematics, plant pathology, international agriculture and mycotoxicology. With research focusing on plant disease-causing and toxin-producing fungi in the genus *Fusarium*, Leslie's work has been published in a patent, seven books and more than 160 refereed journal articles that have been cited approximately 19,000 times. He is a fellow of the American Association for the Advancement of Science, the American Phytopathological Society and St.

Paul's College at the University of Sydney, Australia. He also is an honorary research fellow at the Royal Botanic Gardens in Sydney and an honorary international member of the Hungarian Academy of Sciences.

Leslie has extensive experience working with USAID programs, including 25 years as part of USAID-sponsored work with the International Sorghum and Millet Collaborative Research Support Program. After serving as head of K-State's top-rated plant pathology department for nine years, Leslie transitioned to interim director of K-State's USAID-sponsored Feed the Future Innovation Lab for the Reduction of Post-Harvest Loss — one of four Feed the Future Labs at K-State. Under his leadership, the lab developed and completed a special \$1.2 million USAID mission in Afghanistan and continued extensive activities in Bangladesh, Ethiopia, Ghana and Guatemala.

A former senior Fulbright scholar to Australia, Leslie conceived and leads the award-winning K-State Australia Initiative, a unique international

university activity that has brought more than \$6 million in research funding to the university and includes a distinctive partnership with Fulbright Australia. K-State hosts a Distinguished Fulbright Chair in Agriculture and Life Sciences for an eminent Australian researcher. Through the Oz-to-Oz program, K-State brings all faculty-level Australian Fulbrighters to K-State for a professional visit with colleagues on campus. This program was recognized for excellence by the International Institute of Education with a Heiskell Award.

Since 2000, Leslie has organized and co-taught the Fusarium Laboratory Workshop annually in Kansas and in six other countries, attended by more than 700 people from more than 70 countries.

Leslie joined K-State in 1984 and was named a university distinguished professor, the university's highest faculty ranking, in 2011. He earned his doctorate from the University of Wisconsin, Madison and has experience as a post-doctoral fellow at Stanford University and as a research microbiologist in industry.



Snakes on the Plains

By Greg Doering, Kansas Farm Bureau

I recently saw my first copperhead of the year while out trying to catch some pre-spawn bass at a farm pond. Initially I thought it was a snapping turtle poking its head above the water before I caught a glimpse of the telltale oscillation of the more sinister reptile.

As is usually the case when I encounter a serpent in the wild, the old adage that it's just as afraid of me as I am of it proved laughably false. If that held true, the two-foot reptile would have turned around when the first rock splashed near its head. Instead, it kept slithering closer to the bank where I stood.

Clearly my dislike for this creature wasn't reciprocated. It paid me no mind as it settled onto a rock about 30 yards away where it began basking in the sun. I resumed casting a lure into the water while keeping an eye on the danger coiled up a short distance away.

Our interaction continued with me being vigilant on the snake's whereabouts, while it regarded me with extreme indifference. It eventually warmed up enough to slither back into the water and across the pond. I took the opportunity to walk back to my tacklebox, keeping my eyes fixed on the ground for

signs of another visitor. I safely fetched my gear and went on my way without seeing another serpent, but there were a few suspicious-looking sticks that helped quicken my retreat.

All of this fear is, of course, illogical. There's no shortage of statistics detailing the just how unlikely my demise will come at the fangs of a snake. Of the several thousand people bitten each year, only about a dozen deaths are recorded. The venom in the native snakes of Kansas — three varieties of rattlers and the aforementioned copperhead — also is relatively mild according to the people who judge these things.

By mild, I mean the venom will cause excruciating pain instead of killing you, which isn't enough to overcome the strong desire for self-preservation. So, there's an evolutionary case to be made for the illogical reactions being completely rational. I also learned a healthy amount of fear from family members.

My grandfather once mistook a coil of hose for a black snake when spraying cattle in the corral. He raced across the pen and up a fencepost before warning the rest of us about the alleged intruder. While the rest of us found the situation quite comical, we also knew it could have been any of us flee-

ing in panic. I've stumbled over myself more than once after hearing a rattle in tall grass only to see a cicada fly off.

Whether innate or learned, the fear is real. I spent a decent portion of my youth trying to imitate St. Patrick and eradicate snakes in my portion of the world. Blacksnakes, bull snakes and other nonvenomous relatives were left alone to deal with vermin around the outbuildings, but even the sight of them would set my heart racing. The closest encounter I've ever had with any snake is when I was about ten or so and stepped on a water snake while crossing a pond dam. I can still recall the squish under my boot in a way that gives me shivers.

Once again, I was more bothered by our encounter than the snake. At least I pretended to be scared, what with my gasping and lurching and stumbling backward away from mortal danger. The snake barely lifted its head to flick its tongue in my direction.

The one thing I haven't managed over all these years is to develop a good sense of not going to the same places I regularly encounter snakes. I'm relying on a good pair of boots, long pants and the apparent apathy serpents have for my existence to keep me safe in the pastures, ponds and creeks over the Plains.

"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.



Folks, I come to you with a lot on my mind and my heart and I would guess that most of you are no different. There is a lot going on in this old world and it would seem not much of it is good. I am not sure why that is. Is it because we are in a world where we are bombarded by information, and we can't get away from news? Is it because we are all connected every minute of every day and we can't get away from it? Or is it something much bigger and more ominous? I don't know and I don't even pretend to have the answer.

My words today come from my heart, and I hope that they do not offend anyone; that is not my intention. We are living in a world where we cannot speak from the heart and say what we are thinking without the fear of offending someone else, that is a problem. I digress, that is not what is on my heart, I am simply saying, please don't be offended by my thoughts.

Every day we are presented with something bad. Whether it be Russia invading Ukraine, inflation, supply chain issues, illness, or violence, there always seems to be something going horribly wrong in our world. We seem to go from one crisis to the next with no let-up or break. Each time we pick ourselves up, we are knocked down by the next round of bad news. Why is this? Is there more bad or evil in this world? Again, I don't know, I suspect there is not more evil, we just know more about it and faster.

What I do know is much of our problem is self-inflicted, it is man-made. We can debate for hours about why this is and truthfully, it probably doesn't do us much good. Our politics are rooted in producing man-made solutions for man-made problems no matter what party affiliation or how far one way or the other they are on the meter left or right. I don't know much but I do know that the answer to man-made problems is almost never a man-made solution.

Let me give you an oversimplified example from my life. I spent nearly two decades as an Extension agent, and I was blessed to work with the 4-H program. I loved working with kids and never had a problem with one that I couldn't fix. The problem was when adults got involved. Often the adult involvement meant new rules were written to solve a problem, real or perceived. Many times,

those rules were targeted at an individual or a certain situation. Rarely did they solve the problem; in many cases they caused more problems.

What I found with new rules were that they almost never hit the target. Often, they tripped up well-meaning innocent bystanders and the intended target found a new way around the rule. Over time the fair book or some other document would become a confusing spider web of sometimes-conflicting rules. Fewer and simpler rules are always better.

I believe it is that way with our society, we cannot legislate our way to a moral, ethical and, most importantly, safer world. If we were going to be completely honest, there is a set of ten rules that, if followed, would clear up all our problems and they are not man-made. In my opinion, the further we get away from these ten simple rules, the more man-made rules we impose, the further society goes downhill.

Maybe I am oversimplifying it all, but I don't think so. The problem is that we think we are in charge, that we have all the answers when we don't, and it is not even close. Again, I am not singling anyone out, no matter where you lie on the spectrum. We are not going to get ourselves out of the mess we are in by creating rules, programs or anything else we humans can dream up.

I think the very fact that we think we can get ourselves out of bad situations is the problem. Again, I will not speak for anyone else, but I genuinely believe that the answer to the problems I face are ones I will not solve on my own. No, those problems need to be met with prayer and meditation and then the answers will come, and they will not be man-made.

I don't mean to get too preachy; I am simply sharing what is on my heart and where my thoughts have gone to. I suspect some of you will not agree with my conclusion and that is fine, each of us are welcome to our own thoughts. At least I would hope it is still that way.

I will approach our troubled times in my own way, seeking guidance from the one that has the answers. Admittedly, I am bad about asking and worse about listening, but I will continue to try. I do know one thing for sure, the answers to our problems are not mine.



My heart just hurts today. Photos of the children killed in the Uvalde, Texas massacre are being released and it hits too close to home for all of us, I'm certain. An entire fourth-grade class was decimated as the gunman wreaked his havoc, leaving a stunned nation to cry for answers. How can anyone be that disturbed, that inhumane, as to look into the faces of children and still pull the trigger over and over? How does one ever reach the point as to believe whatever pain they themselves are suffering will be alleviated by inflicting pain on others?

Nineteen innocent children and two teachers were robbed of their futures, their families left stunned and devastated. Why?

I always say that if you ever believe there's an easy answer to a problem, you probably don't understand the problem. To offer platitudes and any sort of quick fix to a situation such as this is nothing less than insulting to those most close-

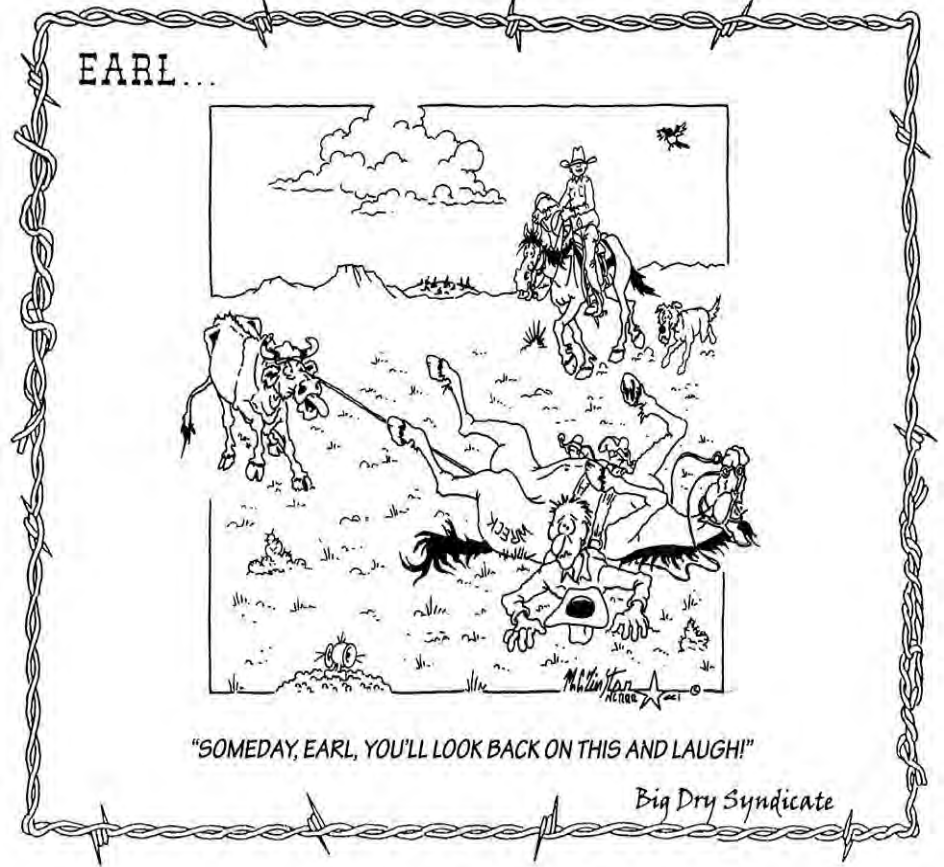
ly involved. Yet in our deepest core we want to act, we want to do something, anything, to prevent this from ever happening again. Unfortunately, we've felt this way far too many times. Columbine, Paducah, Sandy Hook, and so many others. And now Uvalde, a town largely unheard of by a good segment of the nation, will join that list, their town's name now synonymous with heartbreak and tragedy.

In our desperation to do something, we look to pass more laws. But at the top of the hierarchy of all laws is this one: Don't kill people. To break that one, a killer will break any others necessary along the way to carry out the intended act. Should it have been much harder for an 18-year-old with possible emotional issues to purchase two automatic rifles and 375 rounds of ammunition? Absolutely. Would additional laws have stopped his murderous intent or would he have just found another way?

I don't know the answer to all of this. But I do know that standing around screaming at each other, posting derogatory statements on social media and entrenching our positions isn't going to help. Regardless of one's position on gun laws, nobody wants to see something like this ever happen again. There has to be an answer – not necessarily an easy one, but an answer nonetheless. It will more than likely require a combination of many things – increased security at schools, stricter background checks for firearm purchases, a higher level of awareness when warning signs are exhibited and a willingness to seek help when they are seen. In reading over news stories of this event, it does seem like there were signs. We tend to not want to over-react, then suffer the consequences for ignoring red flags that were right in front of us all along.

We can stand around pointing fingers and placing blame all day long, but in the end, it won't do any more good than it has all the other times. How about we take a different approach this time? How about we realize that it's not "us against them," and attack the problem rather than each other? How about we stop letting factions divide us as a nation and take a united approach to solving problems?

In the end, we all want the same thing. We want to drop our children off at school and know they'll come home safely. We want to watch them grow up and thrive in a country where individual rights are protected while concern for the collective good is strong. Idealistic? Yes. Impossible? I pray to God it's not.



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U.S. agriculture sees hike in nontraditional loans

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

Jenny Ifft has a keen eye for the changing landscape in agricultural finance.

An agricultural economist at Kansas State University, Ifft is watching as nontraditional forms of lending slowly gain market share, increasing the options available for financing agriculture.

“Nontraditional doesn’t mean old or new (forms of lending),” Ifft said. “Some types of nontraditional finance are the result of experience gained over decades of serving farmers, such as implement dealer

finance, while others are startups that are testing new lending models.”

Ifft and colleagues from Purdue University and the USDA’s Economic Research Service recently served as editors for a special issue in Agricultural Finance Review titled Nontraditional Credit in U.S. Agriculture.

Their work summarizes much of the academic research on nontraditional lending, eventually concluding that financing outside of traditional relationships “could be as high as 25% of farm lending.”

“More credit availability typically leads to more

investment and income over the long term, so the overall impact should be positive,” Ifft said.

“However,” she adds, “with any increase in lending, there is also an increase in risk.

“Currently I’m not highly concerned about the risk associated with nontraditional finance. The nontraditional lenders I have interacted with and studied largely have robust business models. However, I am concerned that it is difficult for policymakers to track and measure some types of nontraditional finance, which is one area where I’ve focused my research.”

Ifft notes that from a policy perspective, financial regulators – such as regional Federal Reserve Banks – track the financial performance of agriculture banks (those in which farm loans comprise 25% or more of total loans). Also, the USDA tracks farm financial well-being, including making updates to the U.S. farm sector income and balance sheet forecasts three times a year.

So, the authors write, “policymakers need accurate information on the volume and risk associated with nontraditional finance, but publicly available sources may not en-

compass all types of non-traditional lenders.”

Ifft said defining ‘non-traditional lenders’ is difficult, but often fall into three categories: vendor finance, high-volume branchless lenders, and collateral-based lenders.

“Another way to think about nontraditional lenders: it’s a diverse group of lenders serving production agriculture that are not commercial banks or Farm Credit System lenders, or public lenders like the Farm Service Agency,” she said.

Ifft said that in addition to financing options, farmers considering non-traditional sources for

lending should consider interest rates, loan terms and the “long-term relationship with the lender through the ups and downs of the farm economy.”

“Between innovation from within agriculture, external capital (lenders) seeking to invest in agriculture, and the overall strong farm economy, right now there are many different lenders competing to serve production agriculture,” she said.

More information agricultural lending, as well as Ifft’s summary on non-traditional credit in the U.S., is available online from the K-State Department of Agricultural Economics.

Ag groups call for withdrawal of Solicitor General’s Supreme Court brief on glyphosate that would create a patchwork of problems

In a letter to President Biden, 54 agricultural groups expressed grave concern with a recent amicus brief submitted by the U.S. Solicitor General to the Supreme Court advising the court against taking up a case regarding pesticide labels. The groups, including the American Farm Bureau Federation, American Soybean Association, National Corn Growers Association, National Association of Wheat Growers, National Cotton Council, and American Sugarbeet Growers Association, called on the president to swiftly withdraw the brief. They warned the new policy would set a dangerous precedent that threatens the science-based regulatory process. The groups are worried this new policy, along with having environmental impacts, could ultimately hinder the ability of U.S. farmers to help meet growing global food needs intensified by the invasion of Ukraine.

In the May 10 brief, the Solicitor General advised the court against taking up a case concerning whether state pesticide labels can conflict with federal labels.

Brad Doyle, soy farmer from Arkansas and president of the American Soybean Association, stated, “Federal law is clear that pesticide labels cannot be false or misleading. Allowing states to require health warnings contrary to decades of sound science is beyond disturbing and obviously not in line with federal law. I and other farmers are concerned this new policy will open the floodgate to a patchwork of state labels that will undermine grower access to safe, effective pesticides needed to farm productively and sustainably.”

At question is whether the state of California can require a cancer warning label for the popular herbicide glyphosate when thousands of studies, decades of robust scientific consensus, and numerous global regulatory bodies—including the U.S. Environmental Protection Agency—agree the herbicide is not a carcinogen.

The new position expressed by the Solicitor General is a stunning reversal from previous, bipartisan administrative policy. The brief asserts federal law and regulations do not prevent states from imposing their own labeling requirements, even if those labels run counter to federal findings.

“Supplying wheat to the world is more important than ever given the unprecedented times with Russia’s invasion of Ukraine. Together, Russia and Ukraine make up one-third of the world’s wheat exports, and the disruptions we are seeing will certainly impact food supply,” said National Association of Wheat Growers president and Washington wheat farmer Nicole Berg. “Aside from the war, U.S. wheat growers are experiencing extreme weather conditions threatening the quality of their crops this year. 75% of the winter wheat production in the U.S. is in a severe drought. NAWG is concerned this new policy would undermine access to safe and effective crop protection tools that play a critical role in helping feed the world.”

KFB’s Vote FBF endorses Sen. Moran for re-election

Kansas Farm Bureau’s Voters Organized To Elect Farm Bureau Friends (VOTE FBF) has announced its endorsement of Sen. Jerry Moran for re-election to the U.S. Senate.

The formal endorsements came from Kansas Farm Bureau’s (KFB) political action committee, VOTE FBF, comprised of active farmer/rancher members elected by their peers from each of KFB’s ten geographic districts.

The KFB endorsement process began earlier this year with individual recommendations from the autonomous county Farm Bureau organizations. Through this grassroots

process, each of the state’s 105 counties had the opportunity to provide feedback to VOTE FBF and Moran was the overwhelming choice of members.

“Members in county Farm Bureaus across the state enthusiastically recommended the endorsement of Jerry Moran for a third term in the United States Senate,” Rich Felts, president of KFB, says. “Sen. Moran has been a steadfast supporter of Kansas agriculture and our rural way of life. He provides a vital voice in the Senate, where he’s proven essential at advocating for crop insurance, pushing back against bureaucratic rulemaking and

fighting against the end of stepped-up basis, which would have devastated transition planning for family farms and ranches.

“We look forward to working with Senator Moran as he continues to champion Kansas values in the United States Senate.”

KFB’s VOTE FBF fund was established in 1993 to elect candidates who understand agriculture and advocate on its behalf. Since its inception, endorsed candidates have won their respective elections in more than 90 percent of races. To learn more about VOTE FBF, visit www.kfb.org/votefbf.



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Kitchen Kids Camps Cook Up Fun With Food

Hungry? Want your children to make a quick snack but are not sure they have the skills to do so safely? Attending Kitchen Kids Camp will allow youth to learn basic skills to prepare foods at home quickly, easily and safely.

Kitchen Kids Camps are a series of hands-on cooking-based nutrition activities for children to try new foods while learning essential cooking skills. At the end of this fun, camp children will be able to prepare foods following a recipe. Children will learn basic cooking and food safety skills and how to clean the kitchen when they are done. Each child will receive their own apron for preparing foods at home and to use during camp.

The Kitchen Kids Camps are scheduled in several locations this summer – Cherryvale, Fredonia, Parsons and Independence. Camps are three days long and will have a cooking challenge on the last day. Participants will work together to plan, prepare, and present their completed dishes for critique. Class size for all camps is limited, and pre-registration is required. Classes in Cherryvale and Independence in the morning are full and other camps are filling fast so sign up today!

Deadheading Annual And Perennial Flowers

Kelsey Hatesohl, Horticulture Agent, River Valley Extension Agent

Are you looking for a way to increase the number of flowers you get on your plants? Are you tired of the one-and-done flowers? Have you ever tried deadheading your plants? Some plants will bloom more profusely if the old, spent flowers are removed. This is a process called deadheading.

Annual plants especially will focus their energy on seed production after they have flowered once instead of focusing on producing more flowers. If you remove old flowers, the energy normally used to produce seeds will be used to produce more flowers.

Perennial flowers can also benefit from deadheading and will increase the length of the blooming season. However, some gardeners enjoy the look of spent flowers of perennials such as sedum or purple coneflower. The seed produced is a good food source for birds. Deadheading will not help all plants produce another round of flowers. Some plants that don't produce flowers again are 'Autumn Joy' sedum, impatiens, most flowering vines, and periwinkle. These plants only produce one round of flowers whether you deadhead them or not. So it's totally up to you as the gardener whether you like the look of the spent blooms or if you'd rather take them off.

Plants that do increase bloom production in response to deadheading

Camps will be held in Fredonia June 14-16, at the new Old Ironside Kitchen. Parsons Camp is located at the Wesley United Methodist Church June 28-30. Fredonia and Parsons camps begin at 9 a.m.

Independence Community College Fab Food Lab is partnering with the Wildcat Extension District to offer classes in Independence at the ICC Fab Food Lab on West Main, July 12-14 at 1 p.m. Registrations will be taken through the Wildcat District website at: <https://bit.ly/Kitchen-Kids22>. All camps will be 2.5 hours long. The cost of the program is \$20 per participant. If cost is a concern, and need-based scholarships are available, please contact Holly at 620-331-2690 for more information.

Wildcat Extension District has also partnered with Greenbush for two Kitchen Kids Camps at Greenbush. These camps are June 20-21 and June 22-23. The camps start in the morning and end in the afternoon. The cost for the Greenbush camps is \$50. Registration for the Greenbush camps is done through Greenbush's website.

For more information, please contact Holly Miner, Nutrition, Food Safety and Health Agent, haminer@ksu.edu, 620-331-2690.

include geraniums, petunias, marigolds, snapdragons, roses, blanket flowers, and zinnias. These are just a few in a long list of annual and perennial flowers that will bloom repeatedly if you deadhead them.

Deadheading is easily accomplished and doesn't take much time to complete. With some plants, pinching the bloom between a thumb and finger will pop off the spent blooms. Others will be a bit tougher and will need pruning shears to remove the blooms. Deadheading can increase the length of the gardening season, but it is up to you the gardener whether you choose to deadhead your plants.

If you have any questions feel free to stop by or contact me in the Washington office, at 785-325-2121 or khatesohl@ksu.edu.



By Ashleigh Krispense

It's no secret that one of my favorite food groups is bread. Feed me bread and chocolate and I'm a happy girl! So after a recent trip to steakhouse where they attempted to fill you with hot, buttery bread before your meal even arrived, I wanted to try my hand at recreating the rolls they had served. While these aren't as dense and chewy as those rolls, this recipe does make a large, fluffy roll that you can spread with the homemade honey-cinnamon butter as soon as they're pulled from the oven! This recipe was adapted from Jo Cooks.

Steakhouse Rolls with Honey-Cinnamon Butter

4 teaspoons active dry yeast
1/2 cup warm water
2 teaspoons sugar
2 cups milk, scalded & cooled until lukewarm
3 tablespoons butter (I used salted)
2/3 cup sugar
2 eggs, lightly beaten
Around 6 cups flour
Butter for tops of rolls

Honey-Cinnamon Butter:

3/4 cup butter, softened (I used salted)
1/4 cup powdered sugar
1/8 cup honey
1 teaspoon cinnamon

To get started, scald the milk and set aside to cool while you prep the other ingredients.



In the bowl of your stand mixer, combine the yeast, warm water, and 2 teaspoons sugar. Whisk together briefly and let sit for 10-15 minutes or so to proof.



When the yeast has dissolved and foam appears, add the lukewarm milk, softened butter, sugar and eggs. Mix with the dough hook attachment for about a minute.



Start adding the flour a couple of cups at a time. You'll likely use between 6-7 cups, adding just enough to make the dough pull away from the sides of the bowl. You don't want an overly stiff dough.



Place the dough in a lightly greased bowl and cover with a clean, slightly damp kitchen towel. Let rise until doubled in size (I like to stick mine in the oven to help avoid any drafts).



Grease two baking sheets and set aside. Roll out a chunk of the dough on a lightly floured surface (I like to use another pan or baking sheet so it doesn't get flour

all over the counter) to about 1/2-inch thickness and then cut the edges off to make a large rectangle. Cut the dough into roughly 2-by-3-inch rectangles to make large rolls. If you want them a little smaller, just halve each piece again.

Place cut dough on greased baking sheets and let rise again until about doubled in size. Preheat oven to 350 degrees.



Bake the rolls for about 15-20 minutes or until just golden brown. As soon as you pull them out, take a stick of butter and rub it generously over the tops of the rolls.

While the rolls bake, mix up your Honey-Cinnamon Butter! Make

sure the butter is soft (not melted) and mix all of the ingredients together. Whisk until smooth.



This recipe makes around 25 large rolls, so you'll likely need at least one more batch of cinnamon butter depending on how generously you like to use it! Enjoy!

Ashleigh is a freelance writer and the gal behind the website, *Prairie Gal Cookin'* (www.prairiegal-cookin.com), where she shares step-by-step recipes and stories from the farm in Kansas.



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IN MY DAY...

I've written about spur straps. I will write a story about my first Resistol soon enough. But this one is about my "quinquenarian chaparreras." 50-year-old chaps.

Spanish "R's." And at the head of the pack train is the all-unifying, unmistakable Latin, the root of both. My, my, isn't this interesting... Ahem...

No, no, just don't fall for that calloused British pronunciation. You know, that hard, unfriendly, "ch" sound that begins those unwelcome words like "change," "chop," or "chap," as in "chapped lips" or "Jolly good, old chap." No, English is the last language most cowboys know how to speak fluently!

All joking aside, for a minute, at least, the entire

Cowboy culture owes its existence to the Spanish influenced Vaqueros, who were the first "cowboys" on the North American continent. In fact, the very word "Buckaroo," a West/Southwestern connotation for the cowboy, is the lame pronunciation of "Vaquero," as the "V" is a hard "B" sound in Spanish, and the drawn out double "O" on the end is no doubt the result of some slow drawling Texan failing to shut his lips after the first "O" departed them. Okay, so now that I've upset the French, the British and the Texans, let's get to the crux of the matter at hand (See, it all goes back to Latin... Er. Sorrý!)

There are several different styles of chaps: Batwings, shotguns, woolies, armitas and their more common modern descended "chinks," half-length, just below the knee warm-weather chaps. Most Kansas cowboys wear shotguns for winter warmth, and chinks for summer comfort. Now.

don't confuse that soft "sh" sound in chinks. It's from the Spanish, "chincaderos," and the French had no influence here, so I'm totally confused, but I know about enough Spanish to order a chimichanga, and know that arid low scrub country is known as a chaparral. So you see, the Spanish are as inconsistent as the English!

I bought a pair of chocolate suede cowhide chaps in 1974 at Dick's Ranch Supply in Olsburg, Kansas. Oh, it's long gone, so don't bother Googling it, but I remember on the counter was a sign that read, "If you don't see it, ask for it, we'll get it. If we can't get it, you don't need it!" I had earned a few bucks working for the Anchor D Ranch (which also owned the store), and it was time to get outfitted, like any self-respecting 14-year-old cowboy should. I would buy a brand new Wyeth rough-out saddle a few months later, and I had been given a pair of spurs by the ranch foreman.

but now I needed some leggings. These babies were nice; zipper-closed shotguns with full length fringe and white buck stitch around the top that ran down the side of each leg. They were the only pair of shotguns left, and Duane, the foreman, wore shotguns, so that's what I wanted. Price tag was 40 bucks, and they were still in the plastic bag, although looked like they'd been on the shelf for some time.

At five feet tall and about 100 lbs. soaking wet, they were just a touch big, and when I put them on, adjusted the belt, and zippered the legs, I could, and did stick both arms down alongside my leg inside them. Kind of a good thing I bought them big, because I still wear those chaps, although they are now semi-retired. I came into another pair a few years back that are clean-edged (no fringe), and they are easier for an aging, stiffened, 60-something to get zipped.

I pulled those old chaps down a few days ago to put them on, but they had dried out some, and I was afraid they'd crack in a thin spot, so I treated them to some leather cream and after a couple days soaking, put them on for work. They still feel good, the knees still formed to my knees, the bottoms all ragged and torn, with the suede and chocolate color long since worn smooth and replaced by a slick black glossy finish that is slow to soak up oil or leather cream, and could probably stop a small caliber bullet. The original zippers have been replaced twice now, the closing buckle and straps replaced multiple times, the main belt across the back replaced once, and there are a few patches sewn over some worn holes in the legs.

I thought about that skinny little teenager who didn't really want to do anything in life except cowboy, and smiled to myself.

The kid made it.

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I am far afield from Kansas, in the mountains of North Carolina. But I am searching a Kansas story...

Ken Spurgeon and Fall River Productions have released the trailer for *The Contested Plains*, the docu-drama recounting the story of the Cheyenne attack on the German family who was migrating to Colorado in 1874. John and Lydia German's family had been living in Georgia prior to the Civil War but had moved there from Wilkes County, North Carolina, located in the northwestern corner of the state.

While my involvement with the German family occurred in western Kansas, our origins may have been in the same place – the Appalachian Mountains.

I was born in Surry County, North Carolina, but as a Virginian. Mama and Daddy lived on Willis Gap, Patrick County, Virginia, where Mama's family lived for generations upon generations, on the eastern slope of the Blue Ridge, a subset of the Appalachian chain. Only eight miles away, Mount Airy was the closest town of any size so commercial business was transacted there while government

business was conducted in the county seat of Stuart, about 30 miles away across rough and mountainous roads. So folks of Mama's generation were born at home but my generation was fortunate enough to see the light in the hospital at Mount Airy. Now, the town's claim to fame is as the hometown of Andy Griffith and as the inspiration for TV's Mayberry.

Bordering Surry County to the west and actually carved from Surry County is Wilkes County, birthplace of John German. My sister, Denise, and our cousin, Diane, set out on a mission to visit the communities where the Germans and the Browns lived so many generations ago and where descendants are still scattered in the hills and hollows.

It is a beautiful country. Thomas German left this area and headed down the ridges to north Georgia a decade or so before the Civil War broke out. Likewise, his brother-in-law, Rufus Brown and his

bride, Ruth, headed to Missouri. Thomas's son, John, served in the Confederate Army from Georgia and Rufus served in the Union Army from Missouri. Following the war, they remained in touch and John and Lydia visited them on their trek westward. Rufus encouraged John to stay and make a life there in Missouri. Lydia and the children begged him to stay as well, but John German wanted to make his own way and had his sights set on Colorado. Tragically, his and Lydia's as well as three of their children's lives ended in Logan County, Kansas, on September 11, 1874. Four daughters were taken captive, were rescued, and lived to advanced years. Their story grabbed headlines across America in the 19th Century and *The Contested Plains* will bring the complex and poignant story to new audiences.

We took the backroads around the Kerr-Scott Reservoir that defines that part of the Old North State

now. Denise is a photographer and snapped photos of vine-covered chimneys and tumbling down cabins, some of which were certainly there at the same time as our protagonists. We wound around to the homeplace of Tom Dula, Confederate veteran made famous in the ballad of Tom Dooley, neighbor to the Browns and the Germans. It was cool, overcast, and the infinite shades of green softened the ridges along with deep pink rhododendron blooms and white dogwood and blackberry blossoms. Bright yellow finches and indigo buntings darted through the narrow meadows of the Yadkin River and its tributaries. While many things have changed, the sounds of the creeks and tumbling shoals must have been the same as those heard decades ago.

In our film, John German is portrayed by Darby Hinton who famously played Israel Boone to Fess Parker's Daniel in the 1960s. Ironie, I

thought, that one of the roads through the neighborhoods we traveled was the Elk-Darby Road near the Daniel Boone Trail.

Buck Taylor portrays John's Uncle Rufus Brown and as we walked among the gravestones of generations of Browns who would have been Rufus's relatives, I thought how Buck had brought Rufus to life once again.

I felt as if carrying the family back to their roots; I felt them with me, as did Denise and Diane who know them now. And I am convinced more than ever that I will find a common ancestor. We are already bound by common ground.

(Find the trailer for *The Contested Plains* on Facebook at Around Kansas or Fall River Productions.)

Deb Goodrich is the co-host with Michelle Martin of the *Around Kansas* TV show and the *Garvey Texas Historian in Residence* at the Fort Wallace Museum. She chairs the Santa Fe Trail 200. Contact her at author.debgoodrich@gmail.com.

Hay stocks projected to be tighter in 2022

By Derrell Peel, Oklahoma State University

The May USDA Crop Production report included hay stocks for the beginning of the hay crop year, May 1. Total U.S. hay stocks were down 6.9 percent year over year and are 15.1 percent below the 2012-2021 average. This follows a nearly 12 percent decline in May 1 stocks last year and a December 1 stock level that was down six percent year over year. The ongoing drought continues to squeeze available hay supplies and widespread drought this year is a severe threat to 2022 hay (and range/pasture) production.

May 1 hay stocks in the 17 plains and western states were down 17.7 percent year over year.

After two years of drought in some areas, hay stocks in the West are down 36.6 percent from 2020 levels and are down 27.1 percent from the 2012-2021 average. The hardest hit region is the northern plains and Rocky Mountain states with Montana down 53.6 percent year over year, and down 55.4 percent from the ten-year average for the state.

Also sharply lower were North Dakota, down 45.3 percent, South Dakota, down 50.5 percent, and Wyoming, down 38.5 percent from 2021 levels. In total, this four-state region had May 1 hay stocks down 49.2 percent year over year. This level is down 48.1 percent from the

ten-year average level for the four-state total. These four states had 15.1 percent of beef cows on January 1.

The southern plains region of Kansas, Oklahoma and Texas had May 1 hay stocks down 12.0 percent year over year and down 25.3 percent from the 2012-2021 average. Oklahoma hay stocks on May 1 were down 47.8 percent year over year, and are 43.5 percent below the ten-year average for the state. Kansas hay stocks were down 26.4 percent from last year and 32.5 percent below the 2012-2021 average. May 1 hay stocks in Texas were up 33.3 percent year over year but remain 10.6 below the ten-year average for the state. The three states accounted for 26.6 percent of beef cows in the country on January 1, 2022.

The Four Corners region of Arizona, New Mexico, Nevada and Utah has been in drought since 2020. The region uses relatively little hay and has a low density of beef cows. May 1 hay stocks in the four-state area was up 19.4 percent over last year but remain 32.5 percent below the 2012-2021 average. Hay stocks were down year over year in Arizona, New Mexico and Nevada but up from last year in Utah. These four states account for an average of 2.9 percent of U.S. May 1 hay stocks and included 4.0 percent of U.S. beef cows on January 1.

California and the Pacific Northwest states of Washington, Oregon and Idaho had May 1 hay stocks up 6.1

percent from last year, but down 15.0 percent from the ten-year average. Hay stocks were up in California by 27.3 percent and slightly above the ten-year average. Idaho also had May 1 hay stocks above last year by 29.3 percent but is 10.3 percent below the 2012-2021 average for the state. Washington and Oregon were both down year over year, 18.2 and 24.1 percent respectively, and both are more than 25 percent below the ten-year average for each state. This region accounts for 6.3 percent of the total beef cow herd.

In terms of May 1 hay stocks, Colorado and Nebraska are unique among the 17 western states. Colorado had hay stocks up 152.2 percent year over year and up 30.3 percent over the ten-year average. Nebraska had May 1 hay stocks up 25.0 percent year over year and 14.1 percent above the 2012-2021 average. Despite the improvement in hay stocks for these two states, drought conditions persist and pasture and range conditions are diminished in 2022.

In all of these 17 western states, drought continues widespread. More than 50 percent of the U.S. beef cow herd is directly threatened by drought. Across the country more than 50 percent of pastures and range are in poor to very poor condition. That majority of this pasture and range is in these western states. The bleak prospects for pasture and hay production, combined with continued diminishment of hay stocks, suggests that significant and severe impacts on cattle herds are ahead as summer approaches.

Avian flu numbers drop as summer nears

With avian influenza numbers dropping, bird lovers can continue to enjoy feeding their feathered friends with little risk, says Robert Pierce, University of Missouri Extension wildlife and fisheries specialist.

Fewer reports of dead and sick birds point to an end to the current outbreak of avian influenza, Pierce says. Rising summer temperatures also will likely lead to a decrease in avian influenza.

"The good news is that there is evidence that the AI virus does not tolerate high temperatures well, so we should not see problems during the summer," says Pierce. Numbers could tick upward again in the fall as temperatures drop.

Pierce says it is not necessary to remove bird feeders as a precaution; transmission of avian influenza from birds to humans is very rare. However, it is important to practice good sanitary measures such as regularly cleaning bird-baths and bird feeders.

Pierce also notes that songbirds do not appear

to be a major carrier of avian influenza. (For more information, he suggests Avian Influenza Outbreak: Should You Take Down Your Bird Feeders? from the Cornell Lab of Ornithology.)

The MU Veterinary Medical Diagnostic Laboratory confirmed avian flu cases as early as March. The lab first confirmed avian influenza in a commercial poultry flock in Stoddard County on March 3. Avian influenza was reported in a backyard flock in Bates County on March 4. The Missouri Department of Conservation confirmed cases in at least 23 Missouri counties as of May 11.

The flu occurs naturally in bird populations, especially waterfowl, shorebirds and domestic birds such as chickens and turkeys. According to MDC, avian influenza spreads as birds along North American flyways mingle with infected birds from Europe and Asia.

The virus moves from bird to bird through fecal droppings, saliva and nasal discharges. There is a risk for spillover from wild birds into domestic poultry and then back again from poultry to wild birds, resulting in further spread. While often fatal in domestic poultry, it rarely infects other domestic animals or humans.

Infected birds exhibit symptoms such as tremors, head tilting, lethargy, loss of coordination, inability to fly or walk properly and trouble standing upright, according to MDC.





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Wheat industry helps build awareness of rail shipping challenges

In recent months, U.S. grain rail shipping has faced a host of service-related challenges ranging from delayed cars to metered traffic and dramatic spot freight market increases. Those service problems reached such elevated levels that the U.S. rail regulatory body, the Surface Transportation Board (STB), stepped in.

The STB will now require the four largest rail carriers to submit a host of documents and conduct biweekly check-ins with the agency until service levels are restored.

The U.S. wheat industry depends heavily on rail shipping to move the crop from farms and local elevators to domestic customers and to export elevators. And USDA reports that railroads ship 25% of all U.S. grains. That is why U.S. Wheat Associates (USW) and its Transportation Working Group have coordinated with other organizations to highlight the challenges rail shipping has faced.

New Requirements

The move by the STB shows the agency is taking rail shipping concerns seriously. Carriers now must develop service recovery plans and submit regular progress reports. The regulator will also require all Class I railroads to report on customer-centric performance metrics and employment data for a six-month period. According to their published decision, the STB's actions are "to promote industry-wide transparency, accountability, and improvements in rail service."

The challenges with rail service are clear. The American Farm Bureau Federation put together an extensive report showing the severity of the shipping disruptions. For example, in the year after the first quarter of 2021, unfilled grain car orders went up 47%. The number of grain cars that were at least 11 days overdue went up 107%. Rates in the secondary rail market increased, and rail delivery speeds declined during the same period.

Threats of Service Cuts

In mid-April, the Union Pacific (UP) Railroad announced that it would start metering traffic if shippers did not voluntarily reduce their freight-car inventories. In a statement, UP said it had "experienced some setbacks – including numerous service interruptions, crew shortages... and delays to our network." UP added that "additional inventory has led to more congestion in yards, an imbalance of our resources, and further slowdown of our operational performance."

In response, CF Industries, a major fertilizer producer, said such actions by the railroads would put crops at risk by curtailing fertilizer shipments ahead of the spring planting season.

Addressing the Negative Impact

In March 2022, the National Grain and Feed Association (NFGA) urged the Surface Transportation Board (STB) to address "significant rail service disruptions," which have negatively impacted the nation's supply chains. Following that letter, the STB was quick to react and scheduled public hearings held in late April. Those hearings featured shippers, rail labor unions and rail company executives.

The Agricultural Transportation Working Group, a representative body made up of agriculture-oriented trade groups, including USW, sent a letter to the STB on April 21 and urged an immediate resolution to the "current nationwide freight rail service challenges." The group urged the STB to take appropriate measures that would "deter, and hopefully prevent future service failures," which include the establishment of reciprocal switching rules.

Additionally, USW filed joint comments to the STB hearing with the National Association of Wheat Growers and the North American Millers' Association. The USW Transportation Working Group, led by North Dakota Wheat Commission Policy and Marketing Director Jim Peterson, also met with each member of the STB to share concerns regarding the current railroad challenges and to point out the benefits that competition-inducing policies provide, such as reciprocal switching.

A Welcome Sign

The orders issued by the Board recently are a welcome sign that rail customers like wheat farmers are being heard. U.S. Wheat Associates commends the STB's initial steps and fast action and encourages further measures to improve rail logistics and hold railroads accountable to their customers.

Strategic Partnership established to launch the CoAXium® Production System for barley in Australia

A strategic three-way partnership has been created to bring the CoAXium Production System to Australian barley growers.

Australian Grain Technologies (AGT), Sipcam and Albaugh, LLC have joined forces to bring true grower innovation to Australian barley producers. This partnership was created to combine the key elements of the CoAXium Production System including the Australian owned and developed non-GMO herbicide tolerance trait, elite barley germplasm, Aggressor® brand herbicides and industry stewardship.

"AGT is excited to bring this locally discovered technology to growers in Australia. We are especially proud that Australian barley growers will be the first in the world to take advantage of the benefits of the CoAXium Production System for barley," stated Dr. Tristan Coram, AGT's head of Science and Business Development. AGT has been developing barley genetics since 2014 and have recently released commercial varieties Beast, Cy-

clops, Minotaur and Yeti. The AGT team is actively incorporating the CoAXium trait into elite genetics and expect to make the first CoAXium Barley variety available to growers for the 2023 season. "To bring this technology to market we searched for partners that understood Australian conditions and had a track record of delivering new technologies to growers" said Dr. Coram. This three-way partnership will ensure growers receive the full benefit of the CoAXium Production System for Barley while also protecting the technology through industry stewardship. "Our focus is to expand the global footprint of the CoAXium Production System platform to enhance the performance and value of novel weed control systems for cereal growers around the globe" stated Douglas A. Kaye, Albaugh's North America president. We are excited for the value that the partnership will bring to Australian barley growers. Albaugh's innovation platform is focused on strategic partnerships to identify technologies around the globe to provide performance and value to growers. The CoAXium Production System platform represents Albaugh's initial exposure to Australia, and we look forward to bringing more innovative technology to the Australian growers in the near future.

Chad W Shelton, Albaugh's global director, Innovation Platform Technologies stated, "This partnership represents the backbone of Albaugh's Innovation Platform which focuses on strategic partnerships to deliver unique and novel technologies around the globe. Aggressor herbicide brands have been developed using a 30-year-old active ingredient that through innovation gives barley growers a new tool to address grassy weeds in barley production." Sipcam Australia Marketing and Operations manager, Richard Branson, says the pending introduction of the CoAXium production system will potentially change how barley is grown in Australia. "This system provides new weed control options for barley growers using non-GMO pathways," he said "There is so much more to CoAXium than just a herbicide and a herbicide-tolerant barley variety. In effect, it's a whole new produc-

tion system that has major ramifications for the entire cropping program, which is why CoAXium will be fully supported by a stewardship program developed by Sipcam. This program will involve all aspects of growing herbicide-tolerant barley, including the use of Aggressor herbicide, rotation implications, herbicide resistance strategies and integrated weed control." Sipcam, a leading supplier of crop protection and nutrition products to Australian farmers, will provide the sales and technical support for Aggressor herbicide and the CoAXium production system. "We are delighted to be part of the partnership with Albaugh and AGT," he said. "Since our very first discussions, it became clear that all three stakeholders have common business philosophies of harnessing innovation and partnerships to deliver genuine value for farmers."

AUCTION

SATURDAY, JUNE 4, 2022 — 10:00 AM
Located at 11200 S. Topeka Blvd., CARBONDALE, KANSAS

2008 Case IH 55A tractor, FWA, ROPs, reverser w/Case IH L360 loader; some farm implements; 1967 Harley Sportster Hard Tail; 1981 Yamaha SECA 650 4 cy. shaft drive, 11,000 mi.; Large Selection of old & newer Harley parts; 16+ Cars & Trucks, from restorable to running to

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SATURDAY, JUNE 11, 2022 — 9:00 AM
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SUNDAY, JUNE 5, 2022 — 11:00 AM
Located from south side of HARVEYVILLE, KS at HWY 31 & 195 (Main St.) go north to Oak St then go east on Oak & follow the curve to the north which turns into Walton Rd, continue north to 149th St & go east to property at 10642 W. 149th (follow these directions due to road closures on Docking & Crawford Roads). *WATCH FOR SIGNS SALE DAY*

Case IH JX75 dsl. tractor, cab, air, FWA w/LX132 loader, under 1300 hrs.; Ford 4000 dsl.; Case DC-4 Wheatland style; 1939+/- JD "B" frame w/engine; JD B unstyled, SN48555; JD L1100 L&G w/42" deck; Bush Hog 7' pull rotary mower; 2 Huskee gravity wagons; Krause 9-shank 3 pt. chisel; NH 352 grinder mixer; 35+/- old pieces farm implements; 3 vintage well pumps; IH HP type LA engine; corn binder bundle carrier, restored; Vintage West Mfg. steel floor jack; 7+ steel wheels; B&S small kick start engine; selection of old barn boards, rustic tools, wheel weights, tires, etc., etc.; Lots of Scrap Iron.

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LAND AUCTION

154+/- Acres of Butler County Pasture
TUESDAY, JUNE 14, 2022 - 6:00 PM

AUCTION LOCATION: The Burns Community Center, 301 N. Washington Ave., BURNS, KANSAS 66840

We are honored to represent the Lathrop Hunter Family in the sale of this clean Native Bluestem and mixed grass quarter. Located between Burns and Elbing, there are a lot of things to like about this 154-acre pasture! It has been in the Lathrop Hunter Family since 1910 and you will see that it has been well managed over the years. There is a good stand of clean grass, good fence, good access and is watered by a windmill and a wet draw. This pasture is ready to start working for you. **Take a look at this great opportunity to add to your existing operation or to invest in quality land! We look forward to seeing you at the auction!** (BRIEF LEGAL: SE 1/4 in S15-T23-R04E)

See website for full listing & photos at **GriffinRealEstateAuction.com**

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LAND AUCTION

6.84+/- ACRE BUILDING SITE * LYON COUNTY
THURSDAY, JUNE 16, 2022 - 6:00 PM

AUCTION/PROPERTY LOCATION: 1800 Road F5, EMPORIA, KS 66801

PREVIEW DATE: WEDNESDAY, JUNE 1, 2022 from 5-7 pm
SELLERS: EMPORIA COMMUNITY FOUNDATION
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See website for full listing & photos at **GriffinRealEstateAuction.com**

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House Ag Committee advances Special Investigator Bill and Butcher Block Act

The House Agriculture Committee held a hearing recently to mark up eight bills, including the Meat and Poultry Special Investigator Act (H.R. 7606) and the Butcher Block Act (H.R. 4140). Both bills, along with four others, advanced through the committee.

The special investigator bill would create a

new career position in the U.S. Department of Agriculture with immense prosecutorial and subpoena power. To comply with this legislation, USDA would be forced to divert resources from other mission-critical areas of the Agricultural Marketing Service, stealing resources from the essential programs that cattle

producers rely on every day. NCBA expressed its opposition to the bill in a letter to the leadership of the House Agriculture Committee.

“Cattle producers strongly support effective oversight of the meatpacking sector, but the special investigator bill does nothing to accomplish that goal. Rather than fo-

cusing on adequate staffing and funding for the woefully under-resourced Packers and Stockyards Division at USDA, this hasty proposal was rushed through the legislative process without consideration of the confusing bureaucratic mess it would create. Arming USDA with unchecked subpoena and prosecuto-

rial power while significantly undercutting the Department of Justice's role in the process is poor practice,” said NCBA vice president of government affairs Ethan Lane.

Additionally, bipartisan legislation to broaden the nation's meat processing capacity cleared the House Agriculture Committee during the hear-

ing. Introduced by Reps. Dusty Johnson (R-S.D.) and Abigail Spanberger (D-Va.), the “Butcher Block Act” would create a stand-alone loan program through the USDA to help processors expand their operations. This is similar to what USDA is already doing through authorities under the American Rescue Plan Act.

Public-private ag market development adds \$9.6 billion in export value annually

Programs to help U.S. farmers build markets overseas boosted agricultural exports by an average of \$9.6 billion annually from 1977 to 2019, an annual lift of 13.7% in export revenues and returning \$24.5 for every dollar invested.

Those are the key conclusions from a new study prepared to evaluate the impact of programs administered by the U.S. Department of Agriculture's Foreign Agricultural Service (USDA's FAS), including the Market Access Program (MAP) and For-

eign Market Development (FMD) program.

The U.S. Grains Council (USGC), the organization that builds markets overseas for feed grains and ethanol, led the study's preparation on behalf of FAS and the cooperator community.

“We were glad to participate in this effort to demonstrate the long-term impact of the programs that help our members expand markets and our customers build their operations and further serve their local consumers,” said Ryan LeGrand, USGC president and CEO. “We know from our history that our work helps, as our mission says, improve lives. This study helps us put numbers to those outcomes for our organization and our whole sector within the agriculture industry.”

Developed by IHS Markit in cooperation with Dr. Gary Williams and Dr. Oral Capps at Texas A&M University, both experts on evaluating the economic performance of trade promotion programs, the study updated a 2016 edition also evaluating MAP and FMD, which are currently authorized by the 2018 Farm Bill. The new study also took a first look at the impact of investments through the Agricultural Trade Promotion (ATP) program.

The study's results supported the conclusions of prior studies of USDA export market development programs, finding they are “highly effective at generating an extremely high return on investment and account for a high percentage of the level of U.S. agricultural exports.”

It reported that market development programs

effectively leveraged co-operator and industry contributions, averaging between 70-77 percent of expenditures from 2013 to 2019, valued at an estimated annual average of \$567 million.

Using econometric models to examine the impact of market development programs on bulk/intermediate and high-value commodity exports – including seafood, forest products and ethanol for the first time – the research generated results that were then used to assess the impact on the general economy.

Though not strictly comparable, reported results were similar and consistent to prior studies conducted since 2006 that suggested the program investments are highly effective.

The study found that from 2002 to 2019, market development investment:

- Increased farm cash receipts by \$12.2 billion (3.4 percent).
- Benefited the overall economy with an additional \$45 billion annually in economic output and \$22.3 billion annually in gross domestic product.
- Created an estimated 225,800 jobs across the entire economy.

The ATP program offered \$300 million to co-

operating organizations, to which they added \$90 million in contributions of cash and goods and services, primarily from farmer organizations. Between 2019 and 2026, these cumulative investments are projected to generate:

- \$11.1 billion in additional agricultural export revenue, about \$1.4 billion annually.
- \$6.44 billion in farm cash receipts, about \$810 million annually.
- \$11.2 billion added to the U.S. GDP, about \$1.4 billion annually.

“The results of this work support the conclusions of previous studies showing USDA export market development programs, into which both taxpayers and the ag industry invest, are highly effective at generating an extremely high return on investment and account for a high percentage of the level of U.S. agricultural exports despite the different analytical methods used, different time periods of the studies, and different data sets used in the various studies over the years,” Williams said.

MAP, FMD and ATP are Commodity Credit Corporation programs administered by USDA's FAS, which is required to evaluate programs for effectiveness.

Behold, the power of grass

By Scott Elliott,
Agricultural Research
Service

Sometimes the most important things are so close to us that we don't even notice them. Sometimes they're right underfoot. Case in point: grass.

“It's only grass?” asked Kevin Jensen, geneticist at the Agricultural Research Service's (ARS) Forage and Range Research Laboratory (FRRL) in Logan, Utah. “Try to imagine life without grass: There would be no functioning ecosystems, and quality forage would be lacking; thus, wildlife and livestock would not survive.”

In addition, there would be a significant increase in erosion, invasive weeds and temperatures, as well as reduced water quality and soil organic matter. As a result, economic sustainability would decrease. In other words, it's hard to imagine surviving without grasses, much less successfully raising crops.

Fortunately, Jensen and others at the FRRL are working to keep grasses strong. “I use traditional breeding methods to develop new grass varieties that are better adapted to regions that experience increased drought, temperature and salinity,” he says. “These plant materials are used to reseed these harsh sites and also regions that have been disturbed by wildfires.”

While the effects of cli-

mate change have been in the news frequently in the past several years, FRRL has been working on improving grasses since the 1950s. In that time, they've developed more than 40 cultivars. According to Jensen, 30%-45% of the seed used to reseed after wildfires on public lands are plant materials developed at FRRL.

The process, he says, begins with identifying the trait of interest, such as drought tolerance. From there, researchers must find plants that have the genetic variations they need, and then establish field nurseries to measure the viability of those materials in real-world conditions. Plants that measure up are then crossbred and put to the test again and again, until a hybrid that researchers want begins to sprout. Each cycle, he says, can take up to four years.

The process could take longer, but FRRL uses several modern biotechnology methods to improve the efficiency of traditional breeding. For instance, polymerase chain reaction allows scientists to make millions of copies of a specific portion of DNA, such as a segment that allows for salt tolerance, so that they can study it in detail.

FRRL has more than 20 active sites across the western United States, and it takes advantage of that access to study regional variation. Before plants

WEISHAHN AUCTION *Reminder*

SATURDAY, JUNE 4, 2022 — 10:00 AM
LOCATION: 1500 S 9th Street • BEATRICE, NEBRASKA
VEHICLES, GATOR, LAWN MOWER inc. 2008 Buick Lucerne CX, 75,327 mi.; 1993 Ford F150; 1986 Chevrolet C10; JDe TX 4x2 Turf Gator; JD Z Trax, 22Hp 0-Turn Lawn Mower, 1943 Ford 8N TRACTOR & IMPLEMENTS. **ANTIQUES & COLLECTIBLES inc.:** Furniture, 2 DeKalb pressed wood Flying Ear signs; wire egg baskets; Remington .22 cal single shot; 6 cast iron bath tubs; Crocks; Glassware; Match Box cars; blue & green fruit jars; enamel & granite ware; 62 pc. Arrowhead collection; Dale Earnhardt photo collection framed #0623 & other Earnhardt memorabilia; & SO MUCH MORE!
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LARGE AUCTION Reminder

SATURDAY, JUNE 4, 2022 * 10:00 AM

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MECHANICS TOOLS inc.: Drill press; AC-DC welder; welder-generator; Power & Air Tools; wrenches & sockets; larger anvil; 6" bench vise; tool cabinet on rollers; McCall's Pattern tool cabinet; chains & boomers; air compressor; metal shop table w/vise & rollers; Jacks; Stihl chain saw in case; elec. hammerdrill; sev. screw cabinets (full); car ramps; New 11hp Model 96154 key or pull start gas motor; 5 & 8 hp Briggs motors; power washer; lots of shop items; gas-powered generators. **WOODWORKING & CARPENTER TOOLS inc.:** Radial arm saw; router w/table; other routers; jointer/planer; drill press w/table top stand; bench grinder; saws; sanders; Sawzall; wood vise; 5 old hand planes; ladders; elec. air compressor; gas-powered generator, like new; work bench; power tools & **MORE. TRACTOR, IMPLEMENTS, SIDE-BY-SIDE, MOWER (sell 1 PM):** Cub Cadet Challenger 500 side-by-side 4x4; Yard Machine 20hp Garden Tractor; Ford 4000 dsl. open station WF tractor w/3 pt. sells 2/WL-21 Westendorf loader w/5' bucket; 1994 Chevy Sierra C10, ext. cab, 4x4 (needs brake line); 3 pt. blades; sprayers; snow blower, new, never used; Yamaha gas-powered single seat golf cart (not running); older antique Sears garden tractor w/3 pt. & potato digger; Lawn & Garden items & **MORE!**

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GEARY COUNTY LAND AUCTION

TUESDAY, JUNE 14, 2022 * 6:30 PM

AUCTION LOCATION: Union Pacific Train Depot, 120 Ft. Riley Blvd., MANHATTAN, KANSAS



DESCRIPTION

This amazing piece of property is your opportunity to own a contiguous 660-acre production tract that is easily accessible to I-70. Primarily made up of pasture, this property comes with excellent fences, good year-round water availability via ponds, spring fed creeks and natural waterer along with good steel cattle pens. 67 acres of bottom broke ground currently planted to brome. 218 acres currently leased for 2022 with the buyer receiving 50% of payment. Remainder of property available for possession at closing. Land is in conservation easement with the Kansas Land Trust (more details on our website).

Land sits in S36-T11-R06, S30-T11-R07, S31-T11-R07.
Contact Andrew or Bill for additional details or to TAKE A LOOK AT THE PROPERTY!

REAL ESTATE TERMS: Property sells AS IS, WHERE IS. 10% non-refundable down payment is required day of sale by check. Buyer must be able to close on or before July 15, 2022. Buyer needs bank letter of loan approval or funds verification. Cost of Owners Title Policy to be split equally between Buyer and Seller. Buyers are responsible for understanding all zoning, building and other regulations associated with the property prior to the day of auction. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the Seller.

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EQIP program improves cover crop adoption

The American Soybean Association (ASA) recently led an analysis of federal conservation programs to determine which programs were the most beneficial to farmers and led to greater adoption of conservation practices. The economic

analysis showed that the Environmental Quality Incentives Program (EQIP) funding to farmers increased cover crop acres more efficiently than the whole-farm Conservation Stewardship Program (CSP). In addition, neither

program moved the needle forward on no-till practice adoption.

The analysis was funded through a grant ASA received from the Walton Family Foundation. ASA economist Scott Gerlt teamed up with Roderick Rejesus and Yuyuan Che, North Carolina State agricultural economists, to take a deep dive into 2009-2020 USDA-Natural Resources Conservation Service (NRCS) data. Both EQIP and CSP are voluntary cost-share government programs that provide financial and technical assistance to increase farmer practices that improve soil, water, air, wildlife and climate impact. Results of the economic analysis provide additional guidance for ASA's advocacy efforts related to proposed conservation programs under the 2023 Farm Bill.

Ariel Wiegard, director of government affairs for ASA, likens these results to recent grower surveys and Farm Bill listening session comments. "This study underscores what we hear from growers as we clarify our conservation priorities for the 2023

Farm Bill."

The largest soil-health related purpose category for EQIP and CSP is Cropland Soil Quality. It focuses on practices that improve soil health: enhancing organic matter, avoiding excessive tillage, managing pests and nutrients sufficiently, preventing soil compaction, keeping the ground covered, and diversifying cropping systems. In 2020, for example, 3.9 million EQIP acres enrolled for this purpose were contracted in these categories: nutrient management (20%), cover crops (18%), reduced tillage (16%), crop rotation (9%), other (37%).

In comparison, CSP had 5.9 million whole-farm acres contracted for Cropland Soil Quality in 2020 in the following categories: integrated pest management (39%), nutrient management (27%), reduced tillage (14%), cover crops (9%), crop rotation (7%), other (31%).

Acreage and costs

National EQIP acreage has stayed in the 10-12 million/year range since 2009, except for the 2012 drought year when it hit 20 million acres. Soybean

states show a consistent 2 million acres/year. National costs per acre have doubled from 2009 to 2020 from \$60 to \$120/acre; soybean states increased from \$80 to \$150/acre.

National CSP acreage has steadily declined since 2011, going from 13 million to 6 million acres in 2020, with soybean states showing a similar decline (5 to 1.75 million acres). In the same timeframe, per-acre costs rose from \$40 to \$300/acre; soybean states increased from \$40 to \$190/acre.

"To answer whether these payments increase cover crops and no-till adoption, the study used satellite OptTIS data at the county level in 12 Corn Belt states from 2006 to 2015," says Gerlt. "It also included data on EQIP and CSP payments, planted acreage and weather variables."

EQIP boosts cover crops

The analysis shows:

- Over time, farmers are automatically adopting more cover crops.
- Increasing rainfall reduces cover crop adoption.
- Warmer weather increases cover crop adoption.

• EQIP payments increase adoption: Each \$1 spent increases adoption by 0.0673% (or \$100 EQIP payment increases cover crops by 7%).

"CSP payments tell a different story, meaning that increasing CSP payments corresponds to a decrease in cover crop adoption," Gerlt says. "While that seems counterintuitive, anecdotal evidence from farmers points to a reluctance to put all their acres into cover crops, as required by CSP contracts, compared to targeting certain acres under EQIP."

No conclusions can be drawn when examining the same satellite and variable data from a no-till adoption perspective. "There are no statistically significant results that show either EQIP or CSP increasing no-till practice adoption," Gerlt adds.

For more information on this study and other conservation projects ASA has completed in partnership with the Walton Family Foundation, visit the Sustainability and Conservation issues section of the ASA website at soygrowers.com.

Agronomy faculty at Kansas State University receive investment with far-reaching benefits

Two visionary Kansans, testing new technologies on their own farm, want their donation to Kansas State University to create an innovative ripple effect in agriculture.

Ray and Susan Flickner, Wichita, have created a faculty award in the College of Agriculture at K-State to improve food systems for years to come.

The Flickner Family Faculty Award in Agronomy will support outstanding faculty in the agronomy department to advance research and teaching.

Susan Persinger Flickner graduated from K-State in 1975 with bach-

elor's and master's degrees in home economics education. Ray Flickner received his bachelor's and master's degrees in agricultural education from K-State in 1976. Their two children, who were involved in the decision to create this award, also received their education at K-State. Ryan Flickner received his degree in agronomy and natural resources in 2006. Kelsey Flickner Spencer received her bachelor's in family studies and human services in 2011.

Susan and Ray Flickner grew up in rural Kansas, benefiting from the guidance and expertise of their local K-State Extension and Research agents.

As lifelong learners themselves and in appreciation for the education they received from K-State, the Flickners wanted to support and encourage the agronomy faculty in their work.

"Without quality instruction, exploration and interactions with students, education will suffer," the Flickners said. "Personally, some of our most important educational experiences were because of the instruction and mentoring we each received. A major reason we entered educational fields was because of the impact of faculty relationships, techniques and insight. Our hope is that our gift will assist faculty and staff

to provide exceptional educational and mentoring opportunities for many students."

Investing in faculty provides a ripple effect, benefiting students, research and innovation across the region.

"The Flickners are visionary farmers who are assisting development and testing of technologies and innovations of the future on their farms right now," said Raj Khosla, professor and head of the K-State agronomy department. "They are working with our talented faculty — shoulder to shoulder — to construct a brighter, more productive, efficient and sustainable future of Kansas. Their investment in our department is a reflection of their solemn commitment to innovation in agricultural sciences and technologies."

The Flickners' gift reaches beyond the College of Agriculture by fitting into a larger strategic plan for Kansas and beyond.

"The Flickner Family Faculty Award in Agronomy couldn't have been more timely as faculty in the agronomy department strategically focus their research efforts on sustainable agronomic practices that are a key focus of the university's Economic Prosperity Plan," said Ernie Minton, dean of the College of Agriculture and director of K-State Research and Extension. "This fund will provide needed resources to assist faculty in advancing the boundaries of knowledge in precision agriculture to positively impact production practices and the food system for decades to come."

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UPCOMING SPECIAL ISSUES

County Fair Issue - July 5th
Ag Finance - August 9th
Kansas State Fair Issue - August 30th
Fall Harvest (4-week series) - September 6th
Fall Full of Bullz - September 13th
G&G Farm & Ranch Show - November 1st
Soil Health - November 8th

DEADLINES:

County Fair issue - June 29th, before Noon
Ag Finance - August 3rd, before Noon
Kansas State Fair - August 24th, before Noon
Fall Harvest - August 31st, before Noon
Fall Full of Bulls - September 7th, before Noon
G&G Farm & Ranch Show - Oct. 26th, before Noon
Soil Health - November 2nd, before Noon

*To advertise in these or future special issues,
contact your GRASS & GRAIN sales rep:*



Donna Sullivan
– Managing Editor –
gandgeditor@agpress.com
Office: 785-539-7558



Josie Bulk
– Sales Representative –
josie@agpress.com
Office: 785-539-7558

LAND AUCTION

Thursday, June 2, 2022 @ 7:00pm
Where: Prairieland Partners Conference Room
2401 Northview Rd, McPherson, KS.

Located at the intersection of E. Northview Rd. and 16th Ave., 1/2 mile west of I-135 or 1 mile north of McPherson.

**Tract 1: 24 ac +/- in the W2 W2 SW4
Section 14-19-3, McPherson County, Kansas**

**24 Acre +/- of productive tillable/poss. development
Possession immediately upon closing.
Taxes \$290.94 on 23.7 taxable acres.**

FSA Information
22.5 cropland enrolled in PLC base/yield
Wheat 13.5/32 — Soybeans 9.0/31
All mineral and water rights transfer to Buyer.
Great farm, great development potential!

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SELLER: Larson Family Heirs
Ray Swearingen - Broker Cell # 785-452-8498
Derek Isaacson - Cell# 785-452-0566

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FARM & RANCH REALTY, LLC
1-888-825-1199
www.horizonfarmranch.com

AUCTION

SATURDAY, JUNE 4, 2022 — 9:30 AM
Auction will be held at the home located at 720 N. 1st in OSBORNE, KANSAS

CAR PICKUP TRACTOR & MACHINERY: Sell at 12:30 PM
2010 Chevrolet Colorado LT 271 ext. cab 4x4 pickup, auto, V8 43,107 miles; 2005 Ford Free Star V6 all electric, 47,413 miles; 1963 Ford Falcon 2 door; Kawasaki 4 wheel drive Mule 610; 1993 Ford 1920 front wheel assist tractor 2247 hrs w/ Ford 7108 loader w/4' bucket; Razor Back Bush Hog BH5 3 pt. mower; White 3pt. 2 bottom plow; Ford 3 pt. 6' disc; 3 pt. 5' oneway; JD 3 pt. 6' spring shank cultivator; 3pt. 6' blade; Ford 3 pt. springtooth; 3 pt. ditcher; 2 bottom pull type 2 bottom plow; grain drill; dump rake; 5'x8' 2 wheel trailer; 30"x4' 2 wheel trailer; John Deere D110 riding mower 36" deck, 19.5 hp. 222 hrs; Bolens mini tiller; front tiller; Yard Man & Lawn Boy mowers; sprayer for side by side.

ANTIQUES, HOUSEHOLD & TOOLS
Santa Fe Railroad collection inc: (time table board; baggage cart; sign; switch; lantern; ATSF oil can; Fuses & Torpedoes box; time tables; hard hat; clock; calendars; freight schedules; many paper items; railroad nails; Lionel train); Estate wood burning stove probably railroad; 2 waiting room benches; oak flat glass secretary; oak library table; desk chair; wood 1 door wall cabinet; camel back trunk; Howe scale; Underwood typewriter; Burroughs calculator; rug beater; picnic basket; buttons; 50s glasses; crock bowl; kerosene lamp; Christmas & Halloween child's rocker; 1951-52 Taylor Fur catalogues; Mohawk wagon; telephones; roller skates; cherry pitter; Kansas

State items; Osborne jacket; BB gun; gas iron; Fordson tool box; road maps; games; Santa suit; JD dolls; Coleman jug; Avon bottles; cream cans; cast iron boiler; bikes; lantern; 5 gal cans; sprinkling cans; potato bag; nail kegs; metal lawn chairs; **Household:** loveseat; floral couch; flat screen TV; dining table & chairs; (2) 60's full size bedroom set; lift chair; over stuffed chair; stereo; cedar chest; Universal sewing machine in cabinet; treadmill; golf clubs; Inogen One portable oxygen machine; Oreck vacuum; assortment of other items. **Tools:** Chicago generator; Homelite chain saw; hedge knife; assortment tools; edger; step ladder; folding ladder; air bubble; yard tools; yard cart; roll fence wire; T posts.

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

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

Grass & Grain Area Auctions and Sales

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

Hundreds of auctions, on-line and in-person. www.kansasauctions.net/gg/

Always great online Equipment auctions — www.purplewave.com

May 30 — Skid loader, trailers, tools, yard art, books, rock & mineral collection & much more held at Allen for Mike & Frances Wecker. Auctioneers: Wischropp Auctions.

May 30 — 1998 Toyota Tacoma SR5 ext. cab pickup, mowers, lawn & garden equipment, furniture & household held at Moundridge for Norman Funk. Auctioneers: Van Schmidt Auction.

May 30 — New Strawn Farm & Ranch Consignment Auction held at New Strawn. Sales Manager: Brett Skillman; Auctioneers: Darwin W. Kurtz & Paul Hancock.

May 30 — Wide variety of high quality antiques & collectibles including crocks, furniture, primitives, glassware, head & antler mounts & more held NE of Manhattan or S. of Olsburg for Sherry & Clayton Ridder. Auctioneers: Cline Realty & Auction, LLC.

May 30 — Furniture, signs inc: John Deere Farm Implements, Fairmont Creamery, DeLaval & many more, telephone collection, crocks, collectibles inc.: large Bennington collection, large Royal Doulton collection, scale collection, cast iron banks & lots of farm primitives held at Salina for Les & Ginger Toben. Auctioneers: Thummel Real Estate & Auction, LLC.

May 31 — Live & Online Land Auction consisting of 1,767 acres m/l of Rooks & Ellis County pastureland & oil production selling in 4 tracts. Held live at Hays and to register to bid online go to www.hamitauction.com. Auctioneers: Hamit Land & Auction, Inc., Don Hamit, CAI, broker/auctioneer.

June 1 — 2011 Case IH 7088 combine, 2011 Case IH 3020 Terra flex header, 2010 Case IH Steiger 335 tractor, 2008 Case IH Magnum 245 tractor, 2013 Case IH Maxxum 125 tractor, 1964 IH Farmall 240 tractor, 1947 IH Farmall M tractor, Trucks & nice farm machinery held at Garden Plain for Puetz Farms. Online bidding at equipmentfacts.com (combine, tractors & equipment only). Auctioneers: Van Schmidt Auction.

June 2 — Land Auction consisting of 24 ac. m/l of McPherson County productive tillable/poss. development land held at McPherson for Larson Family Heirs. Auctioneers: Horizon Farm & Ranch Realty, LLC.

June 2 — Estate auction consisting of household & collectibles held at Hutchinson for Burk Estate. Auctioneers: Morris Yoder Auctions.

June 4 — Farm machinery, shop tools, antiques, collectibles & miscellaneous held at the farm at Walnut, KS. Auctioneers: Mark Garretson, Truston Garretson, Larry Marshall.

June 4 — JD 5520 utility tractor, JD 541 loader, Grasshopper 72 OK, Brush Hog 2615 Legend, trailers, farm equipment, welder, hand & power hand tools, shop supplies & equipment, new & used trailer tires & more held at Topeka for the Living Estate of Rae Stewart and the Late Lois M. Birt Estate. Auctioneers: Whitmore Estate Liquidator, Elmer Whitmore & Bob Clark.

June 4 — Triumph Spitfire project car, Ford F-600 w/ hyd. hoist, New HaulMaster trailer, mower & yard equipment, furniture, TVs, appliances, patio furniture, collectible Christmas decor, crystal glassware, remote control airplanes, household, tools & more held at Salina for an Estate. Auctioneers: Wilson Realty & Auction Service.

June 4 — Kioti DK 35 FA Tractor w/KL 1450 loader, Woods M5 rotary Mower, Toro 325-D lawn Mower, equipment, lots of household held at Lawrence for H.Z. Smith. Auctioneers: Edgecomb Auctions.

June 4 — 2007 Chevy Silverado, furniture, collectibles & antiques inc.: nice collectible knives, JD Model B tractor, car & pickup toys & banks, beer steins & more, tools & shop items, Guns inc.: Springfield, Remington, black powder, Colt, Marlin, Savage, Winchester & many more held at Portis for Ron Gipe Estate & The Late Jim Allen. Auctioneers: Wolters Auction & Realty.

June 4 — Vehicles inc. 2006 Buick Lucerne CX, 1993 Ford F150, 1986 Chevy C10, JD Turf Gator, JD Z Trax Zero Turn Mower, 1943 Ford 9N tractors, implements, antiques & collectibles inc. furniture, 2 DeKalb pressed wood Flying Ear signs, Remington .22 cal. single shot, 6 cast iron bathtubs, arrowhead collection & much more, tools, lawn & garden, household & more held at Beatrice, Nebraska for Richard Weishahn & the late Marian Weishahn Estate. Auctioneers: Jurgens, Henrichs, Harden, Som-

merhalder.

June 4 — 2010 Chevy Colorado LT Z71, 2005 Ford Free Star, 1963 Ford Falcon, Kawasaki 4WD Mule 610, 1993 Ford 1920 FWA tractor w/loader, farm machinery, antiques inc. Santa Fe Railroad collection, furniture, Kansas State items & more, household & tools held at Osborne for John & Alberta Bergman Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

June 4 — Many mechanics tools, carpenter tools, power & hand tools, side-by-side ATV, Ford 400 tractor & equipment & more held NE of Manhattan or S. of Olsburg for Sherry & Clayton Ridder. Auctioneers: Cline Realty & Auction, LLC.

June 4 — Tractor, motorcycles, tools, 250+/- Chilton manuals, Sling-Shot Dragster, beer signs, vintage, antiques, cars & much more held at Carbondale for Lonnie & Wendee Wallace. Auctioneers: Wischropp Auctions.

June 4 — Ford 8N Tractor (1952?), brush cutter, trailer, yard equipment, 10x7 wooden shed, tools, furniture, appliances, collectibles, household & more held at Waterville for Pierce & Jenni Holliman. Auctioneers: Prell Realty & Auction, LLC.

June 5 — Tractors, machinery, farm primitives, salvage & much more held at Harveyville for Larry & Marilyn Elgin. Auctioneers: Wischropp Auctions.

June 7 — Live & Online auction consisting of 90-guns, ammo, gun safes, classic, modern & rare; handguns, rifles, shotguns inc. Winchester, Browning, Ruger, Henry, Remington, Beretta, S&W, Sig Sauer, Glock, Savage & more; also knives, Polaris Ranger, boat, kayaks, mower, travel bags held live at Benton (online go to www.Sundgren.com). Auctioneers: Sundgren Auction & Realty.

June 11 — Tracts inc. 1972 JD 401 industrial tractor, 2012 JD 3720 tractor, IHC W-6 restored, JD Gator ATV, collectible vehicles inc. 1966 Ford Mustang convertible, 1948 Jeep station wagon, 1979 Ford F-250 pickup, 2007 Cadillac Escalade & more; trailers & camper, farm implements, shop & other items, scrap & antique items held near Wallace (Wichita/Logan Co. line) for The Late Guy Bolen & Marlene Bolen. Auctioneers: Berning Auction, Inc.

June 11 — Large toy auction with 233 cataloged toy items including 14 box grain wagons, 83 various scale semi tractors & trailers, 41 belt buckles, 130 small scale tractors & implements, Omaha Stock Yard Bullet pencils & much more held at Beatrice, Nebraska for Norm & Karen Mortensen. Auctioneers: Jurgens, Henrichs, Hardin, Sommerhalder.

June 11 — Coin auction with over 400 lots inc. Peace \$, Morgans, mint & proof sets, Roosevelt dime collection, nickels, large cents, Barbers & much more held at Portis. Auctioneers: Wolters Auction & Realty.

June 11 — Real Estate consisting of 5 lots in the Cit of Bentley with 2BR 1 1/2BA home. Personal property including furniture, household, shop & lawn equipment held at Bentley for Virgil & Peggy Baxter. Auctioneers: Van Schmidt Auction, Farmers National Co.

June 11 — Tools, tractors inc. 8N Ford, 1952 Ford 8N, Farmall Int. wf 400, mowers, 1998 Chevy 1500 4WD pickup, 1993 Club Car gas golf cart, household, Bernina Simplicity Serger Pro, lots of collectibles, K-State items, large Wizard of Oz Collection, primitives & more held near Randolph for Dave & Janet Vinduska. Auctioneers: Olmsted & Sandstrom.

June 11 — WD Allis tractors, old machinery, scrap iron, tools & miscellaneous held North of Talmage for Roy & Regeina Travelute. Auctioneers: Kretz Auction Service.

June 14 — Geary County Land auction consisting of a contiguous 660-acre production tract primarily made up of pasture, excellent fences, good water available, 67 ac. bottom broke ground & more held at Manhattan. Auctioneers: Crossroads Real Estate & Auction, LLC.

June 14 — 154 acres m/l of Butler County pasture consisting of clean Native Bluestem & mixed grass quarter, fence, water & more held at Burns for the Lathrop Hunter Family. Auctioneers: Griffin Real Estate & Auction.

June 15 — Real Estate consisting of 21.98 acres m/l McPherson County land with 3BR, 2BA manufactured home, horse barn with stalls, feed room & 1BR apartment, brome hay land, pens & outbuildings held at Moundridge for Frank Barnett. Auctioneers: Van Schmidt, Farmers National Company.

June 16 — 6.84 acres m/l Building Site in Lyon County, located just outside the city limits, minimal gravel, electric-

Grass & Grain, May 31, 2022

Page 11

ity, water meter & great views held at Emporia for Emporia Community Foundation. Auctioneers: Griffin Real Estate & Auction.

June 18 — Large Estate auction consisting of lots of Antiques & Collectibles, Crocks, Shop tools & more held North of St. Marys for Jim & Henrietta Aubert Estate. Auctioneers: Cline Realty & Auction, LLC.

June 18 — Collector trucks, equipment, tools & much miscellaneous (more details soon) held at rural Lawrence. Auctioneers: Elston Auctions.

June 18 — Hundred of fine sterling silver pieces, many antique sterling items, Old Fiestaware, many stick handle pieces, Fenton, Roseville, Hull, swords, 200+ radios, many tools & lots more antiques held at Salina for Charlie “Chuck” Smith Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

June 24 & 25 — 2-day auction: Day 1 (Friday)

selling Guns inc. pistols, rifles & more, coins, jewelry, fishing items; Day 2 (Saturday) selling 2004 Chevy Colorado Z71 pickup, 2010 Buick Enclave CXL, 2005 Kubota 4WD side by side, mowers, furniture, household, tools, large collection of glassware & collectibles held at Belleville for Terance & Joleen Baxa Estates. Auctioneers: Thummel Real Estate & Auction, LLC.

June 25 — Very large Farm Estate Auction including tractors, trailers, equipment, UTV, hay equipment, tools held at rural Shawnee. Auctioneers: Elston Auctions.

June 28 — Pottawatomie County Land Auction consisting of Tract 1: 35 acres m/l; Tract 2: 36 acres m/l; Tract 3: 80 acres m/l; Tract 4: T1, T2 & T3 combined. Country seclusion less than a mile East of Hwy. 99. Held at Westmoreland. Auctioneers: Crossroads Real Estate & Auction, LLC.

Praying mantids preserve gardens

By Taylor Jamison, K-State Research and Extension news service

A natural way to keep gardens safe from hungry pests is to employ the help of praying mantids. K-State entomologist Raymond Cloyd said this top predator of the insect world can be beneficial to a home garden.

“They eat anything they can grab onto with their raptorial front legs,” Cloyd said, “including flies, crickets, moths, butterflies, wasps and caterpillars.”

He said home gardeners can keep an eye out for praying mantis egg cases between November and April. They appear as a hardened, Styrofoam-like egg case, and can stick to branches, stems, walls, fences, sides of houses and eaves.

Just-hatched mantids, called nymphs, will emerge three to ten weeks after the eggs are laid.

“Nymphs that emerge in spring resemble miniature adults,” Cloyd said. “However, not all the nymphs will survive to become adults because they are susceptible to predation by birds, toads, lizards and predacious insects.”

To ensure the garden has a few praying mantid guardians, their egg cases can be preserved. To do so, Cloyd suggests:

- Remove the egg case and place it into a glass jar with a lid that has at least 10 small air holes. The glass jar should be kept in the home around warm temperatures.
- Wait four to six weeks for eggs to hatch. To delay hatching, place the jar into the refrigerator and remove one to two months before the desired hatching date.
- Once nymphs hatch, immediately release them into the garden where they will feed. Do not release nymphs to freezing temperatures or they will die.

If no praying mantid egg cases can be found in the garden, Cloyd recommends purchasing them from garden centers, nurseries or other mail sources.

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

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

PERSONAL PROPERTY AUCTION

SATURDAY, JUNE 11, 2022 — 10:00 AM
LOCATED: 10221 Jerusalem Rd., RANDOLPH, KS.

From Waterville, KS go 10 mi. South to Jerusalem Rd. then 1 1/2 mi. West. From Randolph, KS go 8 mi. North to Jerusalem Rd. then 1 1/2 mi. West. Jerusalem Corner is 2 mi. South of the Marshall Co./Riley Co. line on Hwy. 77 (follow signs).

TOOLS * TRACTORS * HOUSEHOLD * COLLECTIBLES & GUNS
Worx 20V Pole Jaws Saw, leaf vac, hedge trimmer; Stihl MS 271 chain saw w/case; New 14 gal. shop vac; 700 PSI el. pressure washer; NIB 600 lb. trailer winch; lawn mower jack; Craftsman stack tool box; Excalibur 3T eng. hoist; TSC pickup tool box; el. buffer; wood bolt bin; sm. utility cart; gas cans; submersible pump; tarps; ratchet straps; Handyman jack; hand sprayers; walking cultivators; hand seeder; post driver; (2) 16' & 12' metal gates & others; mineral tubs; 3 stock tanks; hay bale feeder; roll of barb wire; 60+ New & Used T-posts; cattle panels; few hedge posts; live traps; rain barrel; indoor/outdoor carpet; tow cable; 4 roll-up doors (8 & 10'); rolls of insulation; laundry sink; Chilton books; 6x9' dog fence panels; rolls of chain link; salvage iron; **Tractors, Truck, Golf Cart: sell at 12 Noon:** 8N Ford tractor, runs good; 1952 Ford 8N tractor, 100 hrs. on overhaul; Farmall Int. wide frt., tractor w/5' bucket & blade; Land Pride RCR 1860 5' rotary mower; older 5' rotary mower; 3 pt. 5' box blade; 5' skid loader bucket; 3 pt. post hole digger; 3 pt. sprayer; Fimco 15 gal. sprayer; 200 gal. poly tank; skid steer forks; old manure spreader; dump rake; 3 btm. lister; hay wagon frame; 2T el. winch; pickup bed trailer; **1998 Chevy 1500 4WD Pickup** (salvage title), runs but rough; **1993 Club Car Gas Golf Cart** w/rear seat converts to flatbed; **Guns:** Belgium Acme Arms 20 ga. dbl barrel dbl. hammer shotgun; Winchester Model 90 short octagon barrel 22 rifle; 2 Marlin Model 60 semi-auto 22 rifles; Harrington & Richardson Arms 20 ga. shotgun; **Household:** Kitchenware items; **Bernina Simplicity Serger Pro** w/thread; Maytag carpet cleaner; boom box style radios; under cabinet radios; Emerson 3 disc player w/speakers; few DVDs; VCR player; 8 track tapes & players; toys; kid's grocery store cart; sm. little red wagon; kid's bikes; child's spring horse; wood toy box; tire horse tree swing; Vera Bradley purses; rolled paper chair; office items; file cabinets; holiday decor; lamps; 2 fold up 6' picnic tables; painted dresser; qt. & pt. jars; Pursuit exercise bike; Weslo treadmill; mirrors; medical convalescent equipment; **Collectibles:** Grandfather's clock; spindle leg plant stand; child's rocker; oak rocker; chrome dinette table; Philco console radio; vanity with bench; wood dining chairs; wood high chair; cane btm. chair; modern cast pig & cat; few JD toys inc.; tractors, baler, flare box trailer; plastic & metal trucks/trailers; Hotwheels/toy cars; homemade wood toys; Ranch Saloon belt buckle; knick knacks; costume jewelry; buttons; gold trim drinking glasses; Early Am. press cut dishes; green wine bottles; few late 60s & 70s license plates; Atari games; few Elvis items; 3 Nascar Pez candy dispensers; O/C eye doll; quilt; Fisher Price record player w/records; ladies hats; few 33 records (K-State); Boyd's Bear tins; Lemonade Lisa doll; Elf on the Shelf; **Lots of K-State Items inc.:** University Barbie; **Large Wizard of Oz Collection inc.:** records, clocks, books, cookie jars, Dorothy dresses, Monopoly games, dolls, puzzles, Valentines, Bobble Heads, Ruby Slippers, Jack-in-Box, knick knacks, wall decor, posters, Dixie cup dispenser; **Primitives:** Perfection heater; kero lamps; 3 gal. crock; Edison horn; cherry pitter; meat grinders; copper pail; shaving kit; mantle clock; Edison cl. records; treadle sewing machine base; cream cans; coffee tins; ceiling registers; metal pails; metal tubs; steel wheels; metal bed frames; cream separator & bowls; Fordson tool box; dbl. sq. tubs on stand; well pump; metal boilers; few pcs. enamelware; wood sled; Cargill seed sign; chicken waterer; **Lots of Yard Decor:** 25 3/4" Limestone rocks; 30' iron flag pole; round top stone entrance posts & gate; 8' metal windmill; bottle tree; iron yard decor; pink iron flamingos; 4 metal lawn chairs w/end tables & bench; KSU rock; 7' metal Howard Miller outdoor battery clock on stand; Little Red wagons; barn quilts; **other numerous items. For pictures see website: www.olmstederealestate.com**

DAVE & JANET VINDUSKA
AUCTIONEERS

Tom Olmsted 785-562-6767 Rob Olmsted 785-353-2210 Jeff Sandstrom 785-562-3788
TERMS: Cash sale day. Statements sale day take precedence. Sellers & Auctioneers not responsible for accident or theft. **LUNCH SERVED**

HOUSEHOLD AUCTION

SATURDAY, JUNE 4, 2022 — 10:00 AM

Tractor • Trailer • Yard Equipment • Tools • Furniture • Appliances • Collectibles • Household

239 Elm Street, WATERVILLE, KANSAS 66548

*** Tractor, Equipment, & Shed sell at 12:30 * LUNCH SERVED**
Ford 8N Tractor (1952?); Rhino SE5 3-pt BRUSH CUTTER; BLADE; 2-wheel TRAILER, 5x8' w/taillgate; Tractor Supply, Country Line, 25-gal. trailer sprayer; **YARD EQUIPMENT:** 10x7' wooden SHED w/ tin roof & wood floor on skids to be moved. **APPLIANCES & FURNITURE:** Whirlpool, white, side-by-side refrigerator/freezer; Hot Point, white, glass top stove; Maytag, stainless steel washer; Regency pellet stove; Lg. curved glass curio cabinet; wood pie cupboard w/2-tinwork; barstool dining table w/leaf & 4 barstool chairs; elec. lift chair; church pew & **MORE! COLLECTIBLES:** C.G. Conn LTD, Elkhart, Ind., engraved trumpet w/case; 2 Red Wing horiz. laying waterers; **CROCKS:** Bell collection; 1847 Roger Bross. Americas Finest Silverplate silverware set; 22K Stetson, made in USA, chinaware; Depression & Lots of **GLASSWARE:** Coca-Cola glasses; Gift Gallery musical animated porcelain doll; Snow Buddies Snowman collection; Fiestaware; figurines; kerosene lamp w/mirror on wood wall mt.; 1922 & 1927 KS lic. plates; cast iron horsehead wall decoration & **MORE! KITCHENWARE & HOUSEHOLD:** *Usual household items inc.* Canning jars, some blue & some w/glass lids; scrapbooking & quilting supplies; Sterling & Noble wood wall clock w/pendulum & Westminster chime; Nova Cruiser Deluxe walker; Carex bath & shower seat; children's folding chalkboard; dolls, Barbie dolls; yard & garden items; port. lg. dog kennel & houses; old windows; fishing tackle; wheelbarrow; used tin ceiling tiles & **MORE! LOTS OF TOOLS:** Performax toolboxes 26x26x12; **Tools inc.:** Snap-On, Craftsman, B&D, Ryobi, Stanley & more: torque wrenches, other wrenches, drills, impact wrench & drill set, saws, sanders, bench grinders, ratchets, socket sets, C-clamps, levels & **MORE;** chainsaw, trimmers, arm compressor, post hole digger; steel T-posts; elec. fence posts; 6 hog panels & **MUCH MORE!**

VERY LARGE AUCTION ... LOTS ITEMS NOT LISTED!

See Last Week's Grass & Grain for listings & visit our website

Prellrealtyauction.com to see COMPLETE sale bill & photos

SELLERS: PIERCE & JENNI HOLLIMAN

PRELL REALTY & AUCTION, LLC • prellrealtyauction.com

AUCTIONEERS

Don Prell: 785-562-6787 * Steve Prell: 785-713-2191 * Dave Bures: 402-239-9717

REAL ESTATE & PERSONAL PROPERTY AUCTION

SATURDAY, JUNE 11, 2022 — 9:00 AM

Offering for sale at Public Auction, located at 119 W. Eagle St., BENTLEY, KANSAS

(REAL ESTATE SELLS AT 12:00 P.M. NOON)

Legal Description: Lots 96, 98, 100, 102, 104 Davidson Ave., to the City of Bentley, KS. Property is improved w/2 BR, 1 1/2 BA, 1,924 sq. ft. ranch-style house built in 1944 with CH/CA, fireplace, well water & cellar. Property has a nice location w/large trees, 16x24 & 24x48 detached garages on corner lot. **Attend this Auction prepared to BID & BUY! For more information call Van Schmidt, 620-367-3800 or Farmers National Company, 402-496-3276.**

FURNITURE, HOUSEHOLD, SHOP & LAWN EQUIPMENT
La-Z-Boy recliner, loveseat (new), sofa & chairs; 2 marble top wash stands; numerous more wash stands; coffee table; parlor table; library table; 2 old secretary cabinets; kitchen cabinet; possum belly bin cabinet; high chair; wooden chairs; wooden bench; dressers; old trunk; round oak table; wooden bed; copper boilers; Singer treadle sewing machine; plant stand; cedar chest; pictures; rocking chairs; old wall telephone; hall tree; oak bench; Maytag front load washer & dryer; Frigidaire upright freezer; Frigidaire microwave; lamps; butter churn; crocks; quilts; Fostoria; glassware; tea pots; butter molds; flatware; china set; books; dolls; coffee grinders; fancy work; oil lamps; pitcher & basins; Pyrex graduated bowl sets; salt & peppers; sm. appliances; Tupperware; baskets; jars; rug beaters; elec. heater; Santas & decorations; pocket knives; Field & Stream gun safe; toy tractors; Tonka toys; fire engine; Wal-Mart truck; Hubley crawler/loader; metal toys; DeWalt miter saw; Delta disc/belt sander; Belsaw 12" wood planer; Jet scroll saw; Craftsman 10" radial arm saw; Delta drill press; air compressor; Power-Kraft 6" jointer; Craftsman 6" jointer; wood lathe & tools; woodworking table; Delta 10" table saw; Sears transit, stick & tripod; cordless drills; elec. tools; bench grinder; Craftsman belt sander; shop vac; DeWalt sawzall; DeWalt cordless saw; bar; C-clamps; 4" grinders; floor jack; ladders; Ryobi planer; nail guns; battery chargers; Milwaukee sawzall; vise; shovels; forks; Traeger wood pellet grill; Stihl 041 chainsaw; Troybilt Super Bronco rear tire tiller; Snapper 11 hp 38" cut mower & catcher; Echo row tiller; Swisher 36" 3 wheel mower; Ariens rototiller; Dayton power washer; lawn spreader; smoker; 3 wheel bike; Troybilt row tiller; line trimmers; Craftsman push mower; Craftsman blower/vac; B & D edger; toolboxes; socket sets; BB guns; & **more.**

VIRGIL & PEGGY BAXTER, SELLERS

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