



Forging through one piece of metal at a time

By Amy Feigley

Osborne resident Ben Ruthstrom has been bitten by the iron bug. What started out as something he enjoyed watching his old neighbor Rex Weaverling tinker around with sparked Ben's interest from there. And, six years later, Ruthstrom, who works as a lineman for Rolling Hills Electric, turned his garage into his shop, something that he is very proud of and he knows that his old friend Rex would be smiling down on him seeing what he has accomplished.

Through this hobby, Ben has begun a collection of old tools and machines. He has many "favorites" in his shop, tools that have an untold history. His favorite would have to be the Little Giant trip hammer. With the age of this hammer reaching the century mark, Ben says that for its age, it still works great. He also notes that it was also the original one used in the welding shop in Osborne. His second favorite piece means a little more to him as it belonged to his grandpa, Leroy Ruthstrom. This past Christmas, he received a large flat-belt-driven grinder, a gift that he was ecstatic to receive and one that he is in the process of working on to get it running and to use, just like his grandad did all of those years ago. A coal forge that belonged to his old neighbor and friend Rex ranks up there pretty high. He was able to purchase it last fall and he is anxious to start using it.



Ben Ruthstrom of Osborne puts the finishing touches on a knife he has crafted. Ruthstrom began doing metal and iron work six years as a side hobby, an interest he picked up from his late friend and neighbor, Rex Weaverling.

Walking into his shop, you immediately notice that, whatever the project may be, Ben puts his heart and soul into it and doesn't finish until he has achieved perfection. That is the same thing generations before him felt as they started something new, from his dad to his great-grandad Rosell, achieving the perfect piece of art that will last for decades to come. Everything from knives to crosses to BBQ tools, he

is proud about each piece he creates and hopes that whomever is receiving them, that they feel the same way. The metal he uses is repurposed from farm implements. He receives a steady supply of railroad spikes and cultivator shovels from his brother-in-law. The exotic woods that are used for the knife handles come from Freieden Hardwood Lumber in Pomona. The oak and walnut he uses for the handles of the knives is



Ruthstrom's shop is full of history, which includes an old trip hammer from the Osborne welding shop, his late grandfather's belt driven grinder, and a coal forge that belonged to his old neighbor. He feels a strong connection to those who used these tools before him when working on a project.

Courtesy photos

locally harvested. High on Ben's list of requests are knives and hooks. Everything from chef's knives to hunting knives, are just a few of the creations that he has mastered. He was able to take an old railroad spike and turn it into a beautiful dragonfly or a hummingbird, two of which are his wife's favorites. His split cross that sit on a piece of old cedar is just another one of his masterpieces. As you look at

each piece Ben displays, you see the time and love that he puts into them. The twisted metal of the hooks are perfect for hanging a hand towel or your kitchen apron on, giving it that old, authentic look.

Among the other items that he makes are hatchets, jewelry, decorative hardware, and other odds and ends that a person might ask for. A hook is a fairly quick project, with a knife, depending on the details, taking up to a few

weeks. When Christmas orders start making their way to Ben, he spends his evenings and weekends in his shop, making sure each gift is done on time.

Ben has a passion for using the old, traditional (early 1900s) tools. He mainly uses a propane forge due to coal being hard to come by. Starting with the basics is very important to him. He began with an old coal forge, a broken-down anvil he got for free and a ballpeen hammer and from there, just started collecting more and more tools. Setting goals is high on Ben's list when he starts something new. He still has the very first knife he made and he does not hold back when he says that it is ugly. But, he grew from there and with practice, makes perfect. For those who are wanting to start a new hobby, whether it be metal work or woodworking, Ben would encourage them to practice and start with something small and work up from there. That first footstool you make might turn into a beautiful cedar chest one day.

With a family that has held stone masons, woodworkers, and now a metalworker, Ben hopes that the younger generation will carry on these old trades. Taking welding and wood shop classes in high school might spark an interest that will be with them for years to come. For more of Ben's beautiful pieces of work, check out his Instagram page, br_forge.

Study shows precision agriculture improves environmental stewardship while increasing yields

The Association of Equipment Manufacturers (AEM), in partnership with the American Soybean Association, CropLife America, and National Corn Growers Association, released a study quantifying how widely available precision agriculture technology improves environmental stewardship while providing economic return for farmers.

Precision agriculture leverages technologies to enhance sustainability through more efficient use of critical inputs, such as land, water, fuel, fertilizer, and pesticides. Farmers who use precision agriculture equipment use less to grow more.

The Environmental Benefits of Precision Agriculture study highlights how policies and technological advancements can help farmers increase these outcomes.

"We are living in a new age of agriculture, and today's precision technology on equipment can have

an enormous positive impact on farmers and the environment," said Curt Blades, senior vice president of agriculture at the Association of Equipment Manufacturers. "One of our goals at AEM is to encourage the adoption of these technologies by more farmers, so they can all reap the benefits as we continue to focus on sustainability."

Environmental Benefits

The study explores five key environmental benefits achieved through precision agriculture technology adoption, including:

- Yield benefit through increased efficiency
- Fertilizer reduction by more precise placement
- Pesticide reduction by more accurate application
- Fuel savings due to less overlap and better

monitoring

• Water savings through more accurate sensing of needs

"Over the past 18 years, the growth in corn and soybean yields, for example, has coincided with the widespread adoption of precision agriculture technologies," said John Linder, National Corn Growers Association (NCGA) president. "As precision agriculture technologies become more widely adopted, there is the potential for significant upward movement in yields and savings."

Part of Climate Answer

"The reductions in greenhouse gases this study illustrates shows modern agriculture is part of the climate solution," said Kellie Bray, CropLife America (CLA) chief of staff. "Fuel savings alone due to precision ag tools

is the yearly equivalent of taking nearly 200,000 cars off the road, all while preventing an area equal to 4.5 Yellowstone National Parks from being added to production because of yield increases."

Study Highlights

As precision agriculture equipment and technologies are more widely adopted it will lead to significant increases in yields and further input savings: Significant increases in yields and further input savings can be reached as precision agriculture technologies become more widely adopted:

- Productivity has increased an estimated 4% and has the potential to further increase 6% with broader adoption.
- Precision agriculture has improved fertilizer placement efficiency by an estimated 7% and has the potential to further im-

prove an additional 14%.

• Herbicide use has been reduced by an estimated 9% and has the potential to further decrease 15% at full adoption.

• Fossil fuel use has decreased an estimated 6% with the potential to further decrease 16%.

• Water use has decreased an estimated 4% because of current precision agriculture adoption with the potential to further decrease 21% at full adoption.

Overcoming Barriers

"Soybean growers know from experience that precision agriculture contributes to both short-term and, importantly, long-term yield, environmental, and economic benefits, and this study helps quantify that progress," says Kevin Scott, South Dakota soy grower and American Soybean Association (ASA) president. "But if

we want to get to full adoption of the technology—and realize the immense industry-wide gains in yield and input savings—we still have a lot of work ahead of us."

AEM, ASA, CLA, and NCGA are working together to advance technologies and practices that will bring the potential the study highlights to fruition:

- Promote policies that incentivize innovations in agricultural production
- Improve the infrastructure that makes precision agriculture possible, including wireless broadband over croplands and rangelands
- Grow farm income so producers have capital to invest in their operations
- Increase consumer communication about the environmental benefits of precision agriculture

Cattlemen's Day program transitions to online

Kansas State University's Animal Sciences and Industry Department will host Cattlemen's Day 2021 on Friday, March 5 using the Zoom platform. Mike Day, KSU ASI department head, will kick off the morning at 9:30 a.m.

"We're excited to host the 108th KSU Cattlemen's Day," says Ken Odde, K-State professor and Cattlemen's Day co-chairman. "Although COVID-19 restrictions have led us to transition this year's event online, we are excited about the lineup of speakers and the topics they will address. Our annual program strives to address key issues and provide current information that keeps our industry efficient and relevant. This year's featured speakers — Dr. Jayson Lusk, Jason Rumley and Robert Norris — will sum-

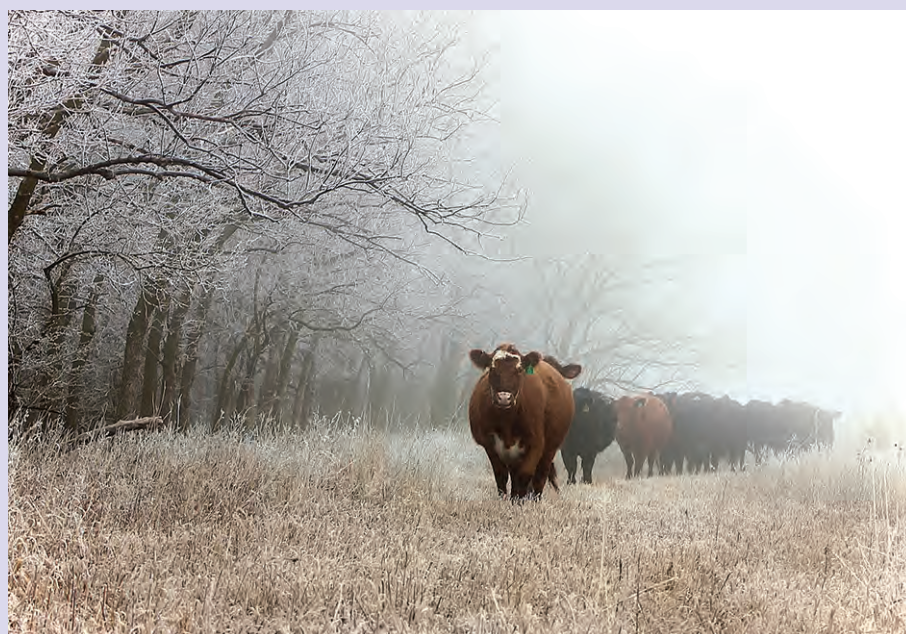
marize how the COVID-19 pandemic affected the U.S. beef industry from the producer and processor and beyond."

Following Day's presentation, Jayson Lusk, Purdue University distinguished professor and head of the Department of Agricultural Economics, will discuss the "Pandemic Effects on the U.S. Beef Industry." Jason Rumley, Radian Group principal, and Robert Norris, Radian Group director, will then share "2020 Beef Processing, Retail and Foodservices COVID-19 Insights."

Sandy Johnson, KSU ASI livestock production specialist, will then talk about reproductive technology resources and tools. Liz Boyle, KSU ASI extension meat science specialist, will lead the final pre-

• Cont. on page 3

In line for a frosty breakfast



A hoarfrost was experienced recently, which occurs when dewdrops are frozen into ice crystals. These cattle make their way through the fog toward their feeding area.

Photo by Jill Langvardt



Still Pushing Forward

By Kim Baldwin,
McPherson County farmer
and rancher

I was recently asked to help judge an FFA speech contest. I happily agreed to help as I thoroughly enjoy listening to young adults present their research and memorized written work before a panel of strangers. Besides, setting aside a few hours to judge is the least I can do to help support a valuable organization that helped shape me.

This year's contest was void of a building full of chattering high schoolers from around Kansas nervously working through their manuscripts one last time before presenting to a room of judges. There was no electric feeling in the air from teens anxiously pacing hallways prior to their events. There was no tabulation room where FFA advisors would catch up with one another over warm cups of coffee and cold donuts. There was no pizza for students and adult volunteers to devour. This year's event was virtual.

Some of my best FFA memories were when I'd get up hours before the sun, drive into town, get on a yellow bus with my fellow FFA members and travel to contests and events. Those were always the mornings I didn't want to hit the snooze button.

On the bus, I'd practice for my contest followed by a jam-out session to the likes of AC/DC thanks to someone bringing their boombox. We would all

look forward to seeing our friends from across the state and being able to hangout and socialize after completing our contests while waiting for judges to tabulate scorecards. We'd play cards, eat junk food, listen to music and sometimes harass our tired ag teachers. Competing was fun. Building my skills was fun. But the social aspect was something I genuinely looked forward to as well.

I checked into the Zoom meeting room from the comfort of my kitchen. One by one, students from across the central part of Kansas would be admitted into our virtual room at their assigned time to give their prepared speech on a topic of their choice — aiming to be within six and eight minutes — before completing a five-minute question and answer session with the judges.

I'm not sure if the absence of live, in-person stone faced judges staring at you eased the anxiety of this year's batch of prepared public speakers. I do know there was a new set of unofficial criteria each student had to mentally check aside from making sure their tie was on straight and their jacket was zipped properly before walking into a room and giving their speech at their assigned time.

Students had to be cognizant of their Wi-Fi connections, their audio levels, their lighting, the angle of their computer screens, their backgrounds and any background noises

that could potentially derail a speaker. Hands down, there were a lot more that students had to prepare for this year.

While some students presented their speeches in classrooms, others presented from a room in their homes. Regardless, every one of the speakers showed up on time in their official dress to present work they had spent weeks, if not months, preparing.

While it would have been easy to take a pass on this year's speech event because the traditional environment was nonexistent, and because students didn't get out of school for the day, and because there was no bus ride where students could bond, and there was no opportunity to mingle with students from other schools while waiting for scores to post. I have to say that agriculture students from across central Kansas still put in the work and performed to the best of their abilities this year even though the extra perks of traveling to a contest and seeing their friends didn't happen.

The caliber of work presented and the number of students competing was not lost.

While COVID-19 sure has led to the creation of different experiences I don't think any of us could have imagined a year ago; I admire the students (and their teachers) still pushing forward for continued self-improvement and excellence, even in the time of a pandemic.

"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.

Ag Barometer drifts lower, farmers remain concerned about the future despite strong economic conditions

The Purdue University/CME Group Ag Economy Barometer dropped seven points in January to a reading of 167. While the Index of Current Conditions remained relatively flat, down three points to a reading of 199; the Index of Future Expectations fell ten points to a reading of 151. Since its peak in October, the Ag Economy Barometer has fallen 9%, all attributable to weaker expectations for the future. The Index of Future Expectations has fallen 19% since October, while the Index of Current Conditions rose 12% over the same time period. The Ag Economy Barometer is calculated each month from 400 U.S. agricultural producers' responses to a telephone survey. This month's survey was conducted from Jan. 18-22.

"The ongoing strength in the Current Conditions Index appears to be driven by the ongoing rally in crop prices, while the deterioration in the Futures Expectations Index seems to be motivated by longer-run concerns about policies that could impact U.S. agriculture in the future," said James Mintert, the barometer's principal investigator and director of Purdue University's Center for Commercial Agriculture.

Producers are becoming more optimistic about short-term expectations for their farms' financial performance, with nearly one-third expecting better financial performance in the coming year compared to 2020. When asked about the size of their operating loan, 17% of respondents expect their loan to increase this year and, of those, 20% said the increased loan is due to carrying over unpaid op-

erating debt from the previous year. This implies that 3%-4% of those surveyed are suffering financial stress; however, that is down from 5%-6% of farms identified as suffering financial stress one year ago.

Producers continue to think now is a relatively good time to make large investments in their farming operations. The Farm Capital Investment Index held strong at its record high of 93 for the past two months. The percentage of farmers expecting to increase their machinery purchases also held at its highest level over the last year of 15% in January.

Farmers also remained bullish about short-term farmland values and cash rental rates. In January, 43% of respondents said they expect farmland values to rise over the next year (up 8 points from December) and 27% of respondents said they expect cash rental rates to rise in 2021 (up 9 points from last month).

Farmers' weakening expectations for the future appear to be motivated by concerns about several policy issues. Confidence that the on-going trade dispute with China will ultimately be resolved in a way that favors U.S. agriculture has waned, falling 12 points in January to 38%. There is also concern about possible changes in environmental policies with 83% of respondents expecting more restrictive regulations under the new administration (up 42 points since October). Lastly, approximately 73% and 75%, respectively, expect higher estate and income taxes over the next five years, compared to 35% and 40% who felt that way in October.

Interest in capturing carbon on farms that agree to follow specified production practices has increased as several firms have begun offering contracts to farmers. To learn more about this, the January barometer survey included questions related to carbon capture. Thirty percent of respondents to the January survey said they are aware of opportunities to receive a payment for capturing carbon. Interestingly, among the 30% aware of these opportunities, 22% said they have actively engaged in discussions about receiving a carbon capture payment. This implies that 6%-7% of the farmers in the January survey have given consideration to contractually sequestering carbon.

Finally, to better understand the farming community's perspective on receiving the COVID-19 vaccine, the barometer survey has been asking respondents since October, whether they plan to get the vaccine. Possible responses included, "Yes, as soon as possible;" "Yes, but not right away;" and "No." Interest in being vaccinated quickly has been trending up since October. In January, 58% said they plan to get vaccinated as soon as possible, up from 39% in December, 36% in November, and 24% in October.

Ibotta campaign features ground pork

Throughout the COVID-19 pandemic, pork sales — specifically ground pork — has seen a surge in sales. Because of this, KPA chose to feature ground pork on an Ibotta campaign that ran from October through December 2020.

The campaign gave customers the opportunity to earn back \$0.10 on any brand of fresh ground pork. To be eligible for the rebate, consumers had to answer a question asking what recipe they plan to make using the pork.

Over 32,925 units of pork were sold during this time period using the Ibotta rebate. Top answers of what consumers planned to make with the ground pork included tacos, spaghetti, meatballs, chili and meatloaf. KPA plans to use the information for future promotions and recipe development.

Ibotta is a coupon app for smart phones that allows customers to earn rebates on everyday purchases. The offer was extended to customers in Kansas, Oklahoma, Colorado, Missouri and Texas.



I have the cows running on brome grass meadows and need to get them fenced off them before the fertilizer comes. How do I know this? I know this because my Co-op called me to see when I want my fertilizer applied and if I was ready. My first reaction was, "Why are you calling me so early, I want my fertilizer on in February." Oh wait, it is February. Yeah, I am ready anytime. Followed by hanging up the phone and wondering how I am going to get the fence built.

Top that off with an arctic blast coming in, giving me a swiftly approaching deadline. I admit that I work better on swiftly approaching deadlines, but it does not do my heart and blood pressure any good. In any case, I had two days of nice weather to complete the task. Two days should be more than enough because the fence I must build is not that much or that hard to build but if you know me, you know it is not enough time.

Day One of the nice days saw me trying to fill all the hay feeders and run some errands that had to be done. Remember what I said about swiftly approaching deadlines and my ability to work better. Finally, at 3:00 I had gotten to the point of being able to build fence. It left me two hours before I had to do chores and check sheep and should have been enough time. That was if things went smoothly, and that is a big if.

I took Ida, our cow dog — that is using the term 'cow dog' loosely — loaded up supplies and went to the first patch. I thought I could sneak in with the side-by-side and get the job done quickly and quietly. I really like my side-by-side, it makes life a lot easier, most of the time — tasks like rotating cows to new pastures. Funny thing is that makes other tasks like building fence much tougher when the cows are conditioned to think they are getting new, fresh grass each time they hear the side-by-side.

I pulled in the patch and started to hook up the corner insulator where we split the native and brome meadows. I looked up and here came the herd at a full stampede gallop right at me. They came to a screeching halt right before they crossed the line into the brome. I was still good. They seemed content to watch me run the wire and tie it on the

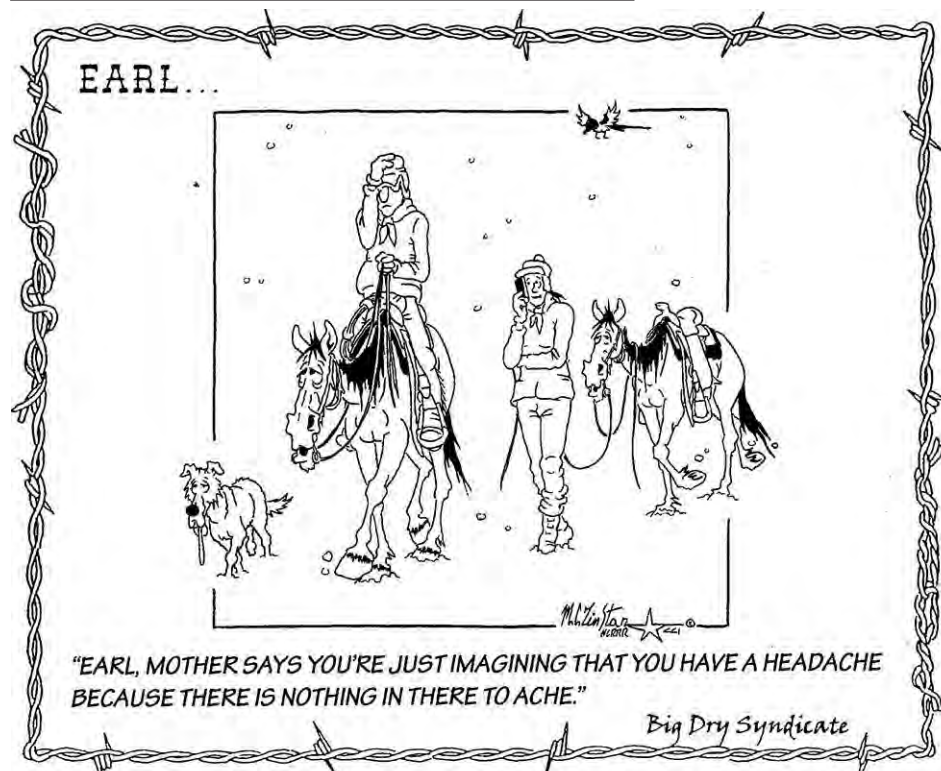
other end, watching my every move but staying where I wanted them to be. I started back toward them putting posts in as they watched me, and I watched them. Some of the cows even started drifting back to the feeders and away from the fence. Then Ida decided to get involved.

She bailed out of her spot on the seat of the side-by-side and trotted over to the cows. I am not sure what was going through her beany little brain. The cows looked at her and decided either she was a threat or something to be played with. Immediately they started to chase Ida. Instead of running away from the newly assembled fence, she decided to run through it. Remember, I did not have all the posts in so the fence in one spot was nose-high to a fat blue heeler.

She proceeded to take most of the herd with her through the fence and out into the brome. I am not going to lie, I renamed her and every cow as they plowed on into the brome dragging my fence with them. I had been three or four posts from having it complete. I drove out to them and collected the sheepish dog. I tried to drive them back in, but they would not cooperate, they knew something was up. Then the light bulb went on; it is a dim bulb, but it does light up occasionally. If I could not drive them back in, I would lead them back in.

I turned and started driving toward the bale feeders calling to my cows as I went. They picked their heads up and came at full gallop. When we got to the feeders, I had another dilemma. How do I get them to stop following? I quickly searched the bed and all I had were a few flakes of straw. I threw them out and sped back to the fence. Luckily, I was able to find both ends quickly before the cows figured out the bait-and-switch. By the time they ran back to the side-by-side, I had both ends in my hands and was feverishly working on splicing them.

I did get the ends spliced and the remaining posts in and the cows were corralled on the right side. Ida, the supposed cow dog, cowered in the seat while I finished the project. Leaving me one day and one fence to build. No problem, what could go wrong, especially with a swiftly approaching deadline?



Since 1954

GRASS & GRAIN

Published by AG PRESS

785-539-7558
Fax 785-539-2679

Publisher — Tom Carlin
Managing Editor — Donna Sullivan
gandgeditor@agpress.com

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

GRASS & GRAIN (USPS 937-880)

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

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

MEMBER OF
Associated Press

www.grassandgrain.com

Farming sustainably with genetically modified crops

By Monte Peterson

Fourth-generation soybean and corn farmer Monte Peterson explains why he uses genetically modified crops (GMOs) to farm more sustainably and safely.

"Wow" does not even begin to describe my first experience growing genetically modified or biotech crops. It was 1996 and we had planted some of the farm with a biotech insect-resistant corn variety. The genetic modification promised to protect the crop from the European corn borer pest, without the need for pesticides. For me, it was an experiment. Would it live up to the hype? For the first time, I did not have to spray with insecticides to control the corn borer. It was a total eye-opener.

Today, 24 years later, I continue to plant biotech corn, which has a greater range of options such as herbicide-tolerant and drought-resistant varieties than that first variety. When biotech herbicide-tolerant soybean varieties suitable for my district became available in the early 2000s, it was not hard to figure out if I would also adopt this new crop technology.

Genetically modified crops

Through my experience and that of my fellow farmers across the world who have access to GM crop technology, there is a simple reason why we use it. It works. If it did not, then as with any tool or technology, no farmer big or small would continue to use something that brought no benefit. Because of insect-resistant biotech crops, I use fewer pesti-

cides than 20 years ago, which, in turn, reduces the amount of fieldwork such as having to spray several times a season. I can also produce a safer crop as control over the corn borer means less mold damage, which, in turn, means less aflatoxin contamination.

With herbicide-tolerant soybeans, I can be confident of excellent weed control without the need for deep ploughing by turning the soil to bury weeds. Instead, I use light tillage, allowing me to plant seed directly into the soil which means less field operations preparing seedbeds, and, again, less spraying during the growing season, both of which bring a substantial reduction in diesel fuel, as well as reducing wear and tear on machinery and on my team and me. Furthermore, old crop residue can be left on the ground providing shade during the summer heat, reducing soil runoff during the increasingly heavy rain downpours we now experience as the climate changes. Importantly, old crop residue eventually breaks down, adding more organic matter to my soil to the point that we are building topsoil every year.

There is an old saying that we do not inherit the land from our ancestors but borrow it from our children. I am the fourth generation of my family to farm this land. And so, I will do everything I can to leave the land in as good if not better shape than when I started. As part of this commitment, biotech offers a much more environmental and sustainable production of my soybeans

and corn.

However, it is only one of several technologies which help me produce more from less, such as precision planting and spraying and yield and soil nutrient monitoring. Together with biotech, I am much more efficient in terms of production, cost savings, yield and producing higher quality and safer crops.

Agricultural biotechnology

I am not a scientist, but I do look to science-based decision making when it comes to technologies such as agricultural biotechnology. No biotech crops are commercialized anywhere without being strictly assessed in terms of safety, quality, and efficacy. Even then, I will carefully check if a biotech crop variety (or any tech tool) is fit to be added to my toolbox in terms of safety and usefulness. In that, I don't think I am different than any other farmer.

Yet, despite a wealth of verified scientific and practical evidence, some people still oppose the use of ag biotechnology. That may be their right, but such opposition also has sown confusion and concerns among consumers. The reality is that many millions of consumers across the world have eaten foods made or derived from biotech crops with no identified health problems.

From time immemorial, farmers have faced volatile weather, weed control, soil erosion, and damaging pests as they strive to produce sufficient food. And from time immemorial, farmers such as myself will continue to seek ways

to farm better through safe tools and technologies. We do so because we live, work and raise our families on the land and environment we call home.

Kansas cattle inventory up two percent

All cattle and calves in Kansas as of January 1, 2021 totaled 6.50 million head, up 2% from January 1, 2020, according to the USDA's National Agricultural Statistics Service. All cows and heifers that had calved totaled 1.65 million head, up 2% from last year.

Beef cows totaled 1.48 million head, up 2% from last year. Milk cows totaled 173,000 head, up 4% from January 1, 2020. All heifers 500 pounds and over totaled 2.01 million head, up 4% from last year. Steers weighing 500 pounds and over totaled 2.09 million head, up slightly from last year. Bulls weighing 500 pounds and over totaled 90,000 head, up 6% from last year. Calves under 500 pounds totaled 660,000 head, down 4% from January 1, 2020.

All cattle on feed fed for slaughter in Kansas feedlots totaled 2.66 million head, up 3% from the previous year. The 2020 calf crop totaled 1.43 million head, unchanged from 2019.

Cattlemen's Day program transitions to online

• Cont. from page 1

sentation focused on the pandemic's effect on small Kansas processors. To end the conference, there will be a question-and-answer session.

This year, registration is free. To register go to: //asi.ksu.edu/CattlemensDay. For more information, contact Lois Schreiner at 785-532-1267 or lschrein@ksu.edu.

The 44th Annual Legacy Bull & Female Sale will begin at 4 p.m. March 5. The sale will be online at LiveAuctions.tv. Please note masks and social distancing will be required for in-person attendees. Due to COVID-19 University protocols attendance numbers will be monitored. We invite you to come look at the bulls prior to sale day and view the offering online. Visit //asi.ksu.edu/legacysale to learn more about this year's offering and to request a sale catalog. For more information contact Shane Werk at 785-565-1881.

The 2021 Stockmen's Dinner has been postponed. Please watch the KSU ASI website and Facebook page for date and location announcements as well as registration information. Pat Koons will be honored as the 2021 Stockman of the Year.

PRECISION AERIAL APPLICATION: Pasture \ Crop \ Government



VersaAir
SERVICES, LLC

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

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

HYDRABED
STOCKING DEALER



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

OUR OTHER BRANDS: Winkler, Cobett, ARROWQUIP, -6, Vermeer, Chevron, INTERSTATE BATTERIES

785-494-8484
428 LINCOLN ST
WAMEGO, KS 66547

TALLGRASS
COMMODITIES



CALL US TODAY FOR ALL YOUR FEED NEEDS!

"BIG ENOUGH TO DELIVER. SMALL ENOUGH TO CARE."

BJ
20TH ANNIVERSARY

SPRING PRODUCTION SALE
Thursday, March 11, 2021 • 12:30 PM
At the ranch near Manhattan, Kansas

SELLING ■ 75 18- to 20-Month-Old Bulls ■ 15 14-Month-Old Bulls ■ 35 Fall Bred Heifers ■ 20 Elite Embryos
Progeny of Ashland, Black Onyx, Black Magic, Enhance, Inertia, Jet Black, Method, Playbook, Revelation, Southern Charm, Sure Fire, Turning Point and more.

SPECIAL FEATURE — Selling 4 embryos
GAR Home Town (19266718) x Thomas Patricia 9705 (16615196)
GAR Home Town is an elite sire, backed by years of breeding diligence and offers calving ease, performance and elite carcass EPDs. Patricia is the well-known dam of KCF Bennett Fortress and KCF Bennett Citation.

BJ Ashland 9148 (+19775499)
BD: 8/30/2019 ■ by GAR Ashland
Top 1% WW (+93), YW (+156), SG (+89), SC (+304)
Top 2% Marb (+1.31), SW (+86), SB (+181)
Top 4% Doc (+30), RE (+1.01)

BJ Playbook 9157 (+19774518)
BD: 9/1/2019 ■ by TEX Playbook 5437
Top 1% \$M (+106), \$W (+101)
Top 2% \$C (+297) ■ Top 4% WW (+77)
9157 is a full brother to BJ Surpass working at Knoll Crest Farms and Connealy Angus Ranch.

Buying Made EASY! ■ The BJ Angus Genetics Guarantee ■ Sight unseen guarantee
■ Free delivery ■ Complete performance, ultrasound and genomic data ■ Full brother and full sister groups for volume buyers ■ Developed in the Kansas Flint Hills pastures
■ More than 25 years of disciplined seedstock production

LiveAuctions
Watch the sale and bid live online.

BJ ANGUS GENETICS YouTube f

John & Bonnie Slocombe • 4291 McDowell Creek Road • Manhattan, KS 66502
(785) 539-4726 • John's mobile (785) 532-9777 • john@bjangus.com • www.bjangus.com

Never miss an issue of
GRASS & GRAIN
Subscribe or renew today!

New Subscription _____ Renewal _____

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

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

In-State Print Edition Rates:
1 Year; \$41 + additional sales tax _____
2 Years; \$76 + additional sales tax _____
3 Years; \$105 + additional sales tax _____

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

Out-Of-State Print Edition Rates:
1 Year; \$51 _____ 2 Years; \$95 _____ 3 Years; \$132 _____
Call for info about our 1st Class or Online Only rates

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

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

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

GRASS & GRAIN Our Daily Bread

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

Annette Reilly, Abilene, Wins This Week's Grass & Grain Recipe Contest And Prize

Winner Annette Reilly, Abilene: "How about a different take on lasagna? A friend shared this easy recipe and I found it to be a perfect option, change, to the usual left-over holiday meals. You might use a medium or hot salsa to increase flavor. Yummy with mild, if one needs to treat themselves with care. Enjoy!"

MEXICAN LASAGNA

1 pound ground beef, cooked & drained
16-ounce can refried beans
2 teaspoons ground cumin
3/4 teaspoon garlic powder
2 teaspoons oregano
12 uncooked lasagna noodles
2 1/2 cups water
2 1/2 cups salsa
2 cups sour cream
3/4 cup finely sliced green onions
2.2-ounce can sliced black olives
1 cup shredded Monterey Jack cheese

In a large bowl combine beef, beans, oregano, cumin and garlic powder. Place 4 (uncooked) noodles in the bottom of a casserole dish and cover with half the mixture. Put down 4 more noodles and the remainder of the mixture. Put down 4 more noodles. Combine water and salsa and pour over noodles. Cover tightly with foil and bake at 350 degrees for 1 1/2 hours. Combine sour cream, onions and olives. Spoon over the casserole. Top with cheese and bake uncovered for 5 more minutes.

Kellee George, Shawnee:

VALENTINE DESSERT
1 fudge brownie mix (9-by-13-inch size)
2 cups heavy cream, divided
1 package white chocolate pudding mix
1 can cherry or raspberry pie filling

Prepare brownie mix as directed on box. Cool completely. Mix 1 cup cream and the pudding together. Stir until thick. Beat the other 1 cup cream until heavy peaks form. Mix pudding mixture and the beaten cream together. Spread gently over brownies. Top with pie filling. Refrigerate for at least 2 hours.

Kimberly Edwards,

Stillwater, Oklahoma:
EASY SNICKERDOODLES
3 tablespoons sugar
1 teaspoon cinnamon
1 yellow cake mix
2 eggs
1/4 cup oil
1 tablespoon sugar
1/2 teaspoon cinnamon

Mix together 3 tablespoons sugar and 1 teaspoon cinnamon and set aside. Mix cake mix, eggs, oil, 1 tablespoon sugar and 1/2 teaspoon cinnamon. Shape into 1-inch balls and roll in sugar-cinnamon mixture. Bake at 375 degrees for 8-9 minutes.

Linda Falk, Wheaton:
"This is nice with soups and salads."

BUTTER DIPS

2 1/2 cups all-purpose flour
3 1/2 teaspoons baking powder

1/2 to 1 cup shredded sharp Cheddar cheese

1 cup milk

1 tablespoon sugar

1 1/2 teaspoons salt

1/3 cup butter, melted

In a large bowl mix flour, sugar, salt, baking powder, cheese; add milk. On a floured surface knead gently 10 times. Roll dough into a 12-by-8-inch rectangle. Cut dough in half lengthwise then into 16 strips. Dip both sides in a 9-by-13-inch pan of melted butter. Place 2 rows in pan. Sprinkle with your choice of toppings. Bake at 450 degrees for 12 to 15 minutes.

Toppings:

Sesame seeds

Garlic salt

Onion salt

Celery salt

NOTE: I use Everything Bagel for my toppings and is very good!

Jackie Doud, Topeka:

ENGLISH WALNUT PIE

3 eggs

1/4 teaspoon salt

1/3 cup sugar

1 1/2 cups light corn syrup

1 teaspoon vanilla

1 1/2 cups chopped walnuts

1 unbaked 9-inch pie shell

Combine eggs, salt and sugar in a bowl. Beat well. Add syrup and vanilla and beat thoroughly. Stir in walnuts. Pour into pie shell. Bake in a 400-degree oven for 10 minutes. Reduce heat to 350 degrees and bake 35 minutes or until filling is set. Cool on rack.

Millie Conger, Tecumseh:

PINEAPPLE OATMEAL BARS

1/2 cup brown sugar

1 1/4 cups quick-cooking oats

1/2 cup flour

1/4 teaspoon baking soda

1/4 teaspoon salt

1/2 cup butter

1-pound 4-ounce can crushed pineapple, drained

1 tablespoon cornstarch

1/2 cup sugar

1/2 cup light cream

1 egg yolk

Combine brown sugar, oats, flour, baking soda and salt. Cut in butter until mixture is crumbly. Press mixture into greased 11-by-7-by-1 1/2-inch baking pan. Combine pineapple, cornstarch, sugar, cream and egg yolk in saucepan. Cook until mixture is thick. Pour over crust. Bake at 375 degrees for 30 minutes or until done. Cool in pan.

Rose Edwards, Stillwater, Oklahoma:

GINGERBREAD

2 1/2 cups flour

1 1/2 teaspoons baking soda

1 teaspoon ginger

1 teaspoon cinnamon

1/2 teaspoon salt

1/2 cup shortening

1/2 cup sugar

1 egg

1 cup dark molasses

1/2 cup hot water

Mix flour, baking soda, ginger, cinnamon and salt. Cream shortening and sugar until light and fluffy. Add egg then beat in molasses. Add dry ingredients alternately with water beating well after each addition. Pour batter into greased 9-inch square baking pan. Bake at 350 degrees for 45 minutes or until cake tests done. Cool.

Darlene Thomas, Delphos:

HAMBURGER CASEROLE

1 1/2 to 2 pounds ground beef

1 large onion, diced

1/2 cup sweet pepper

10.5-ounce can cream of chicken soup

10.5-ounce can cream of mushroom soup

15-ounce can corn, drained

3 cups cooked noodles (5-ounce package)

1 cup sour cream

1 small jar pimiento pepper (optional)

Brown ground beef, onion and sweet pepper; drain. Add cream of chicken soup, cream of mushroom soup, corn, noodles, sour cream and pimientos, if using. Put in a baking dish and bake at 350 degrees or until it bubbles.



Baking With Sugarbuns

By Michele Carlyon
A Need To Feed People
Crock-Pot Chicken Tacos

I think by now we all know that there are many traits that I got from my mother, but probably the one that is most prevalent and quite honestly the one I am most happy to have is her innate need to take care of people. B they same token, sometimes I forget the importance of self-care, as does she, but if you have found a way into our hearts, there isn't a thing in the world that we wouldn't do for you. Most of the time though, that need to take care of people comes in the form of food and I can assure you I got it good and honest from her, the need to feed people is strong. You don't feel well, let me feed you. You just had a baby, let me feed you. It is your birthday, let me feed you. You are bored, let me feed you. The list goes on and on, all revolving back to my need to feed people.

At the exciting age of thirty-two, with two grown brothers and an obviously grown father, knowing my mother was leaving for Florida for a week, the wheels started to turn. Her not being here wasn't a good excuse to not have Sunday night family dinner, so I set out planning, talked to my mom and my brother Mike to see what they thought would be a good fit. We decided on nachos, but of course I couldn't stop there. We did all the fixings for nachos, plus rice and then I went to town on desserts. I made banana cakes, cinnamon loaves, Rice Krispie treats, pumpkin pie and pop-tarts.

I tend to be the out-cast in my family when it comes to a lot of things. I prefer Chevy to Ford for one; don't even get my dad started on that one. The other big one that he just doesn't get is that I prefer chicken to beef; don't get me wrong, I like both, but I absolutely love chicken. Once we decided on nachos for our menu, I set out to find a recipe for chicken nachos, but not just diced-up chicken, I wanted the delicious pulled chicken that you get at Mexican restaurants. You know the one, the one that is always ten-

der, always flavorful, and always leaves you stuffed because you ate entirely way too much.

I could spend literal hours looking for recipes before settling on one, but I finally found one that piqued my interest. I decided to give it a whirl and went grocery shopping for missing ingredients. I opted to go without the cilantro (picky family), but within the first couple of hours of having this going in the crock-pot, I had no doubt this was going to be a winning recipe, and let me tell you, I wasn't wrong, it was delicious! Good enough that my brother skipped the beef and went for the chicken; Dad, on the other hand, he's not changing or trying anything new, but hey, that's why we like him. At the end of the day, Sunday night family dinner was still had, my soul was happy, and my people were fed.

Chicken Tacos

1 package chicken (roughly 4-5 boneless breasts)
3 tablespoons taco seasoning
3/4 cup diced yellow onion

14.5-ounce can diced fire-roasted tomatoes
4.5-ounce can diced green chiles (undrained)
1/2 cup fresh cilantro (optional)

Tortillas

Toppings

Place chicken breasts in the crock-pot. Pour everything on top of them. Cover and cook on low for 6-8 hours. Stir occasionally throughout the day. Remove the lid and shred the chicken; re-add to the crock-pot, and stir back in. Serve when ready.

Michele grew up in Junction City and graduated from Kansas State University. She worked in the restaurant management field for six years before deciding to switch careers and now works as an office manager for a company that manufactures oilfield products. Her passion for blogging and food can be followed on Instagram: [boobsbrainsandbaking](https://www.instagram.com/boobsbrainsandbaking).

If you would like to contact Michele with comments please email mcarlyon88@gmail.com

Need Senior Insurance?

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



800-373-9559

PHILLIPS INSURANCE

Jim- The Answer Man!

Come Shop 'Elsie Grace's'!!

It's not too late to come get Valentine's fudge or a gift for your special Valentine!

March 27th is the North East Kansas Shop Hop

Please wear your mask and practice social distancing.

Carry out only for lunch

Don't forget us for your gift baskets!

We Ship Fudge DAILY!

Elsiegraces1.com

Elsie Grace's

123 N. Kansas Ave., Frankfort, KS

785-292-4438 • Follow us on Facebook!

Hours:

Mon.-Fri.: 9am-5pm

Saturday: 1pm-3pm

AG LIME GYPSUM

Standard or Variable Rate Application

GEARY GRAIN, INC.

Junction City, Kansas

785-238-4177

gearygrain.com

Need an extra copy of GRASS & GRAIN?

Pick one up at any of our Box locations:



Dara's Fast Lane:

- 5321 Tuttle Creek Blvd, Manhattan, KS -

- 8811 US-24, Manhattan, KS -

- 1132 Pillsbury Dr., Manhattan, KS -

The Store:

- 104 E Barton Rd., Leonardville, KS -

Copies are also available at these businesses:

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

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

Or Stop by the Grass & Grain Office:

- 1531 Yuma St., Manhattan, KS -

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

HESS & SONS SALVAGE, INC.
1209 N. PERRY, JUNCTION CITY, KS
WE ARE BUYING:

- FARM MACHINERY
- PREPARED #2 IRON
- PREPARED MACHINE CAST
- #1 CLEAN COPPER

ALSO BUYING: COPPER, BRASS, CAR BODIES W/ CLEAR TITLES, ALUMINUM, ALUMINUM CANS, PREPARED NON-MAGNETIC STAINLESS STEEL, BATTERIES AND A/C SEALED UNITS.
CALL: 785-238-3382 (800-825-4377) FOR CURRENT PRICES
ROLL-OFF CONTAINERS AVAILABLE, Ask For LANNY or JAKE
(PRICES SUBJECT TO CHANGE WITHOUT NOTICE!!)

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

Prize for FEBRUARY 2021 "Our Daily Bread" Recipe Contest Prize

Rada Cutlery Meat Chopper



The Rada Cutlery Meat Choppers 6 blades are perfect for chopping and stirring ground meats while cooking in the pan.

All Rada utensils are backed by the Rada Guarantee
Purchased from [Elsie Grace's Elsiegraces1.com](http://Elsiegraces1.com)

The winner each week is selected from the recipes printed. Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you.
1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear. 2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery.

3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.
OR e-mail at: auctions@agpress.com



from Popcorn.org
Tickle them pink with a quick and easy Valentine's Day treat.

Quick Adult Treat #1: Melt white chocolate, add a little food coloring (if desired), mix with popcorn and spread out to cool. Drizzle with more melted chocolate and add candies or sprinkles (if desired).



Quick Kids Treat #2: Mix pastel mini marshmallows with caramel corn. Fun and done!



Quick Kids Treat #3: Lightly spray a bowl of popcorn with cooking spray (or melted butter if preferred); sprinkle with fruit flavored gelatin and place in a 350-degree oven for 5 minutes.



Rethink Acts Of Kindness
By Nancy Nelson, Meadowlark Extension District, Family Life
Giving food to others is a way of expressing love and kindness, and food plays a key role in many celebrations.

Because of cost and convenience, the food shared with neighbors, friends, co-workers, and during celebrations is often a grain dessert such as cakes, cookies, donuts or candy. If it is sweet, or sweet and high-fat, the treat seems special. The problem is that most people get plenty of sweet or high-fat treats, known as "empty calorie" foods, on a regular basis.

To change this trend, learn to view food treats in a different way. Here are a few ideas to rethink acts of kindness:

1. Make it healthful. Fresh fruit really is a treat. When baking, use whole-grain ingredients, and reduce the fat and sugar whenever possible.
2. Offer smaller portions. Cut brownies into half the size you usually do. Offer a brownie bite with fruit.
3. Take a vote. Decide as a group how often empty calorie treats can be shared.
4. Freeze leftover candy and goodies. This can help you avoid overdoing it with empty calorie foods. Use a chocolate candy later by adding small chunks to homemade granola bars or oatmeal cookies.
5. Stuff it for later. Use leftover Valentine and Easter candy to fill a piñata and crack it open during the next holiday or for your child's birthday.
6. Choose beverages carefully. The top single category of empty calories in the diet is sugar-sweetened beverages such as soda, fruit drinks, energy drinks, and sports drinks.

For a slightly more challenging recipe, try one of these recipes.



COCONUT-GINGER POPCORN TRUFFLES

5 cups air-popped popcorn
2 cups miniature marshmallows
1 tablespoon coconut oil or butter
3 tablespoons candied ginger, minced
1/2 cup shredded coconut
4 ounces semisweet chocolate
1 teaspoon coconut oil or butter

Place popcorn in large bowl. Place marshmallows and coconut oil or butter in medium saucepan over medium-low heat. Stir until melted; remove from heat. Stir in shredded coconut and candied ginger. Mix well. Pour over popcorn and mix again. Spray hands with nonstick cooking spray, then scoop up one tablespoon of popcorn mixture. Roll mixture with hands to form a ball. Place ball on baking sheet lined with parchment paper or foil. Repeat to make 36 balls. Place chocolate in small, microwave-safe bowl. Heat in microwave on HIGH for one minute, until melted. If not completely melted, microwave for another 15 seconds and stir again. Stir 1 teaspoon coconut oil into melted chocolate. Place chocolate in zipper-style plastic bag

and seal. Snip off a tiny corner of bag. Pipe chocolate on popcorn balls in a decorative pattern. Garnish with extra shredded coconut and extra minced candied ginger if desired. Place truffles in a cool place until chocolate is set. Yields: 3 dozen truffles.

POPCORN & PEANUT TRUFFLES



6 cups popped popcorn
1 cup roasted & salted peanuts
12-ounce package semisweet chocolate chips
1/2 cup honey
Stir popcorn and peanuts together in a large bowl; set aside. In microwave-safe bowl, heat chocolate chips 10 seconds. Stir chips and repeat, stirring after each 10 seconds, until chips are melted. Warm honey in microwave 10 seconds and stir into chocolate until well blended. Pour chocolate mixture over popcorn mixture and stir until popcorn is evenly coated. Using a small ice cream scoop, push popcorn mixture into scoop and release onto waxed paper to form "truffles." Refrigerate until firm. Store truffles in an air-tight container up to 5 days. Yield: about 30 pieces.



Snappy Ground Chicken Burgers

By Ashleigh Krispense
These chicken burgers are moist, flavorful, and a snap to throw together! If your chicken is already cooked and waiting in the fridge, you can have them ready to go in less than 30 minutes. For somewhat of a healthier alternative to a regular burger on bun, wrap them in lettuce. These would work great for meals to the field in a few months!

3 cups chicken, cooked & diced
1/2 cup onion
1 teaspoon parsley
1/2 teaspoon garlic powder
1/2-3/4 teaspoon salt
1/2-3/4 teaspoon pepper
1/4-1/3 cup dry bread crumbs
1 egg
(Note: All of these amounts can be adjusted to suit you. Feel free

to remove all extra spices or add more.)

Once the chicken and onion are chopped up finely, combine together all of the ingredients except the egg. Mix well.



Add the egg and mix again.



Use your hands to make four or five patties and place in a cast iron skillet. Cook on each side until well browned (4 to 5 minutes depending on your stove).

Serve with your favorite burger sauce, cheese, lettuce or buns. For a meal to the field, simply wrap the burgers in aluminum foil, add some fresh fruit and chips, and away you go!



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.

Follow PGC online for more recipes and ramblings!

CENTRAL KANSAS AG AVIATION
Call for all your Spring spraying needs!
STEVE DONOVAN
Cellular: 785-366-0513 • Office: 785-258-3649

Ag Risk SOLUTIONS
Experience. Knowledge. Integrity. YOUR Crop Insurance Solution.
www.ag-risk-solutions.com
913-367-4711
@AgRiskSolutions
/AgRiskSolutions
Ag Risk Solutions is an equal opportunity provider.

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

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

Price includes labor and material.

30x50x10 enclosed..... Galvalume \$10,300 12' slider, 1 walk door...Colored metal \$11,300	40x60x14 enclosed 2 12' sliding doors..... Galvalume \$17,300 1 walk door.....Colored metal \$18,700	40x100x16 enclosed 20' split sliding door..... Galvalume \$25,800 1 walk door.....Colored metal \$27,800
---	--	--

www.DTCBarns.com

LAND AUCTION
SATURDAY, FEBRUARY 13, 2021 — 10:00 AM
Summerfield Community Building — SUMMERFIELD, KANSAS

781.5± ACRES MARSHALL COUNTY, KS LAND
TRACT 1: 90.6 ac. FSA Farmland 91.49± ac. w/83.56± DCP Cropland
TRACT 2: 77.2 ac. FSA Farmland 77.9± ac. w/65.45± DCP Cropland
TRACT 3: 139.3 ac. LESS R/W 5.15 ac. Homesite
FSA Farmland 140.17± ac. w/112.33± DCP Cropland
TRACT 4: 275.68 surveyed ac. lying north of center of Mission Creek LESS ROW.
FSA Farmland 275± ac. w/243.96 DCP Cropland
TRACT 5: 205.04 surveyed ac. lying south of center of Mission Creek LESS ROW. Approx. 200± ac. pasture & wildlife habitat.
*All Tracts located on or near State Line Rd. starting w/Tract 1 on west edge of Summerfield w/Tract 4 & 5 at 16th Rd. approx. 8.5 miles west of Summerfield.

ORVAL & MYRA STOCK FAMILY TRUSTS, SELLERS

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

See January 12 Grass & Grain's For Details!
For DIRECTIONS or a VIRTUAL TOUR of this property visit www.MidwestLandandHome.com
To stay up to date on auctions and listings LIKE our Facebook page Midwest Land and Home.

ONLINE & PHONE Bidding Available - Register NOW!

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

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

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

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

\$15/ea., + \$3 shipping to U.S.
Vol. 6 still available - Vol. 1-5 sold out

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

FARM EQUIPMENT AUCTION
MONDAY, MARCH 1, 2021 * 10:30 AM
AUCTION LOCATION: 1459 Eden Road - ABILENE, KANSAS
DIRECTIONS: From ABILENE, KS: 9 miles South on K15 to 1400 Avenue (Rural Center School) then 3 miles West to Eden Road, then 1/2 mile North.

COMBINE: 1994 JD 9600 & HEADERS TRACTORS
• 1978 JD 4440, quad range
• 1973 JD 4230
TRUCKS
• 1980 Kenworth
• 1974 Chevy C65

MISCELLANEOUS FARM EQUIPMENT & ITEMS
Take a look as you seldom find this type of equipment in this good of condition. Be on time as there are no small items and should be over by noon.

Watch Next Week's Grass & Grain for Listings & for pictures & Complete listings go to KansasAuctions.net/reynolds

SELLERS: T. LEE GRUEN 785-479-0355 & JASON KOOKEN 785-819-6345

REYNOLDS AUCTION SERVICE
ABILENE & CLAY CENTER
RANDY REYNOLDS: 785.263.5627
landmanrj@gmail.com
GUEST AUCTIONEER: Greg Kretz, 785-630-0701

A Complete Cattle Feeding & Marketing Service
TIFFANY CATTLE CO., INC.
Family Owned & Operated
Tiffany Cattle Company, with a total capacity of 32,000 head, is equipped to offer economies of scale and industry leading service to customers of any size.

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

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

★ www.tiffanycattle.com ★
Follow us on [f](https://www.facebook.com/tiffanycattle) at Tiffany Cattle Company

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

Researchers agree starting clean is key to higher yields

As the calendar turned the page to 2021, Syngenta turned to its panel of a dozen university agricultural experts for insights on how to both prepare for a high-yield growing season and implement weed management practices that will pay dividends for years to come.

Researchers emphasize that early-season weed management is the key. "The biggest point that has been reinforced through our research is the value of early-season weed control," said Charlie Cahoon, Ph.D., Extension weed specialist at NC State University. "We have seen a 13- to 33-bushel yield advantage in corn when we

start the season clean with a pre-emergent followed by a timely post-emergent herbicide, compared to a post-emergent-only system."

"Weeds are going to compete with the crop, whether it's corn or soybeans," added Mark Van Gessel, Ph.D., Extension weed specialist at the University of Delaware. "They are taking up nutrients and moisture and intercepting light that the crop requires for photosynthesis. Responding to that weed competition, crops will alter their growth habits, and that can affect yield."

Syngenta herbicide experts consulted with

these leading university researchers to underscore the tough reality that weed management is an ongoing challenge with implications far beyond the upcoming growing season.

"It's more about weed management than weed control," said Mark Kitt, herbicide technical product lead for Syngenta. "There are long-term implications of effective management: not adding to the soil seed bank and ensuring that even after harvest you are managing weeds so you have a clean field and are preserving the land for future generations. To achieve this, the first step is applying a very strong residual product, whether for corn or soybeans, to start clean."

Crop rotation is also a factor in the weed management equation. "If you grow a clean crop, whatever you're rotating to is going to be much appreciative that you didn't rotate weeds into it," noted Wayne Keeling, Ph.D., professor in the Department of Soil and Crop Sciences at the Texas A&M Agrilife Research Center at

Lubbock. "So that's all the more reason to do the best job you can in each crop so that you're not making it more difficult for the rotational crop."

To achieve the highest yield potential, Syngenta offers a robust portfolio of weed management solutions for both corn and soybeans.

"Acuron® corn herbicide is formulated for the concerns expressed by our researcher panel," said Steve Gomme, herbicide product marketing lead for Syngenta. "It helps growers by delivering four active ingredients, including Syngenta-exclusive bicyclopyrone, and three effective sites of action. When used preemergence at full labeled rates, it helps farmers achieve 5 to 15 more bushels an acre versus any other corn herbicide.* Additionally, its long-lasting residual with built-in resistance management minimizes the weed seed bank for the next year's crop."

The value of pre-emergent herbicides cannot be overstated, noted Erin Burns, Ph.D., assistant

professor and extension weed scientist at Michigan State University. "Everyone knows you have to use pre-emergent herbicides," she said. "They need to be applied and activated in a timely manner. That's really the best way to make sure you get a clean crop and a good yield."

For soybeans, the Syngenta portfolio provides a range of products that can be used across all traits that are available for planting in 2021.

"Farmers need herbicides that will be successful against spreading resistance," said Pete Eure, herbicide technical lead for Syngenta. "Our robust portfolio of soybean herbicides enables growers to customize the application mix for their specific field conditions and trait platform."

For pre-emergence management, Boundary® 6.5 EC, BroadAxe® XC and Prefix® herbicides feature multiple effective sites of action and long-lasting residual. Prefix also offers the flexibility for application before or after planting. To overlap residuals

with a post-emergence application, Sequence® and Tavium® Plus VaporGrip® Technology herbicides provide effective knock-down and residual control of the toughest weeds, including pigweeds, giant ragweed and waterhemp. Tavium, the market's first and only dicamba herbicide premix, recently received a registration extension by the EPA for use on dicamba-tolerant soybeans in 2021 and beyond.

"The worst thing you can do is get complacent," cautioned Bill Johnson, Ph.D., professor of weed science at Purdue University. "Staying on top of weed control and herbicide resistance is all about making those subtle changes before you have to make drastic changes."

For more information on finding the right herbicide to start your season clean, visit ResistanceFighter.com. To calculate how much more revenue potential you can find with Acuron, visit the Revenue Calculator. Join the conversation online - connect with Syngenta at Syngenta-us.com/social.

LIMITED SUPPLY

LEGEND LESPEDEZA

800-753-6511

www.Legendlespedeza.com

WE WANT YOUR BUSINESS, WE'LL DO WHAT IT TAKES TO EARN IT!

We deliver premium ag products (name brand & generic) direct to your farm at the lowest prices in the United States!

BUY RIGHT; BUY SIMS



800-821-4289 **SIMS** **SIMSFARM.COM**

FERTILIZER & CHEMICAL

JOHN DEERE FINANCING * SUPER SERVICE * AGRONOMIC ADVICE * COURTEOUS DRIVERS
KNOWLEDGABLE SECRETARIES * FAMILY OWNED AND OPERATED FOR 41 YEARS
HONORED AS A TOP 100 AG RETAILER IN THE UNITED STATES FOR 26 YEARS

Riley County Extension Coffee Shop Agronomy meeting planned for Feb. 11

Best Management Practices for Row Crops will be the topic at the next Coffee

Shop Agronomy meeting, scheduled for 11:00 a.m. on Thursday, February

11, and hosted virtually by the Riley County Extension Service. Ignacio Ciampitti, K-State Research and Extension Cropping Systems Specialist, will be the featured speaker. The 2021 Coffee Shop Agronomy series is being hosted virtually on Zoom. Producers attend from their home computer, using a link sent to each registrant. Registration is required and the Zoom link will only be sent to registered participants. Register online at www.riley.ksu.edu by noon the day before the meeting. For more information contact Greg McClure, Riley County Extension Agriculture Agent, by email at gmcclure@ksu.edu or by phone at 785-537-6350.



SEED / CROP CONSULTING
CUSTOM APPLICATION
SOIL TESTS / FERTILIZER
WEED & PEST CONTROL

Clay Center and Concordia Branches
Sheldon Koppes, *Manager*

1169 18th Rd **815 W 4th ST**
Clay Center, KS 67432 **Concordia, KS 66901**
785-632-5603 **785-243-2646**

QUALITY AERIAL APPLICATION • COMPETITIVE CHEMICAL PRICING



HEINEN BROTHERS

LET US HELP YOU WITH YOUR AG CHEMICAL NEEDS!

PRESTON OLTMAN 402.326.9306 <i>Beatrice, NE</i>	BRIAN ROBBINS 785.477.1243 <i>Kelly, KS</i>	RYAN GIERHAN 785.223.1258 <i>Clay Center, KS</i>	JIM JENSEN 620.513.6199 <i>Moundridge, KS</i>
DARCIE GALLAGHER 402.239.8292 <i>Beatrice, NE</i>	LUKE SCHMELZLE 785.294.8784 <i>Kelly, KS</i>	BRANDON GEIGER 913.426.2952 <i>Atchison, KS</i>	MATT KIRKPATRICK 785.479.6975 <i>Moundridge, KS</i>
RANDY HARDIN 402.840.2969 <i>Lincoln, NE</i>	JEFF JONES 785.294.0565 <i>Flint Hills Pasture</i>	TAYLOR SCHERER 913.370.2698 <i>Atchison, KS</i>	RON PETERSON 785.294.8023 <i>Moundridge, KS</i>
WAYNE HAMMERSCHMIDT 785.623.7544 <i>Stockton, KS</i>		KYLE SANDER 785.294.0836 <i>Maryville, MO</i>	

2020 Kansas Corn Yield contest winners announced

The Kansas farmers who entered the Kansas Corn Yield Contest overcame adversity and used their management skills to produce high yields in 2020. Kansas farmers from across the state entered many excellent yields in the 2020 Kansas Corn Yield Contest. For the second consecutive year, Tyler Hands with Triangle H Farms based in Finney County, entered the top irrigated yield in the contest at 307 bushels per acre with Pioneer P1828AM on one of the farm's fields located in Haskell County. Northeast Kansas farmer Victor Menold, Brown County, entered the top dryland yield at 301.59 bushels per acre with Becks 6414V2P.

"In the third year of this contest we continue to see very impressive yields across the state due to exceptional input technology and management in production by our producers." Kansas Corn vice president of Market Development and Policy Josh Roe said. "We have enjoyed the partnership with K-State Research and Extension on this contest and appreciate the world class knowledge Dr. Ignacio Ciampitti brings to the table."

The contest is free to all Kansas Corn Growers Association (KCGA) members. For the last three years, KCGA has awarded a dryland and irrigated winner in each of the ten districts across the state.

Agronomy and Horticulture Seminar Series ongoing, sessions recorded

The spring Agronomy and Horticulture Seminar Series began Jan. 29 with "Management of Herbicide-resistant Palmer Amaranth in Minor and Specialty Crops Within the High Plains," presented by University of Nebraska-Lincoln's Nevin Lawrence.

Lawrence, assistant professor and Weed Management Specialist presented on herbicide-resistant Palmer amaranth's recent arrival to the Panhandle of Nebraska and surrounding regions and how many of the crops grown within the region have limited herbicide options. Lawrence also reviewed the previous five years of research and Extension efforts he has undertaken to better understand Palmer amaranth, and to provide stakeholders with options to manage a difficult but increasingly common weed species.

This seminar was streamed and recorded. The series will continue every Friday. Dates and topics are listed below. Spring seminars will be presented via Zoom beginning at 3:30 p.m. CST/CDT. Join at: <https://go.unl.edu/agrohortseminar>

Feb. 5: "Oil Palm Production and Conservation of Natural Resources: Can We Get It All?" Patricio Grassini, associate professor and cropping system specialist, Department of Agronomy and Horticulture, University of Nebraska-Lincoln.

Feb. 12: "Soil Health - How Management is Affecting the Pulse of Soil," Alan Franzluebbers, USDA-ARS, Raleigh, North Carolina.

Feb. 19: "Coexisting with Fire in Rangelands," Victoria M. Donovan, postdoctoral research associate, Department of Agronomy and Horticulture, University of Nebraska-Lincoln.

Feb. 19: "People, Fire and Global Biome Divergence in the 21st Century," Rheinhardt Scholtz, affiliate in the Department of Agronomy and Horticulture, University of Nebraska-Lincoln.

Feb. 26: "Aerial Application in the United States: Best Practices and Future Directions," Bradley Fritz, Agricultural Engineer and Research Leader, Aerial Application Technology Research Unit, USDA-ARS, College Station, Texas.

Note: This presentation video will not be posted to the website.

March 5: "Teaching Landscape Systems," Dan Uden, assistant professor, School of Natural Resources, Department of Agronomy and Horticulture, Center for Resilience in Agricultural Working Landscapes, University of Nebraska-Lincoln.

March 12: "The Summing Up: One Person's Life with Small Grains," P. Stephen Baenziger, professor,

Along with awards to dryland and irrigated winners in each district, statewide dryland and statewide irrigated winners also awarded. District winners receive \$300 and a plaque. Second place entries receive a \$200 prize and third place receive a \$100 prize. The highest yield dryland and irrigated entries statewide will receive an additional \$500 prize. The winners of the 2020 Kansas Corn Yield Contest were recognized during the 2021 Kansas Corn Symposium on Jan. 28.

The Kansas Corn Yield contest was created to recognize high-yielding corn farmers across the state and increase efficiency for greater sustainability and profitability. Sharing the data collected among Kansas farmers benchmarks the corn yields and provides information for improving management practices.

Below is the list of the 2020 yield contest winners along with the county where the winning field is located.

OVERALL STATE DRYLAND AND IRRIGATED WINNERS

Irrigated: Tyler Hands, Haskell County; Yield: 307 bu./acre; Hybrid: Pioneer P1828AM

Dryland: Victor Menold, Brown County; Yield: 301.59 bu./acre; Hybrid: Becks 6414V2P

NORTHWEST DISTRICT 1 Dryland Category

1st Place: Harold

Koster, Sheridan County; Yield: 178.78 bu./acre; Pioneer P0339AM

Irrigated Category
1st Place: Harold Koster, Sheridan County; Yield: 275.68 bu./acre; Pioneer P1366AML

WEST CENTRAL 1 DISTRICT 2 Dryland Category

1st Place: Garrett Baker, Logan County; Yield: 214.07 bu./acre; Golden Harvest G13E90-3111

2nd Place: Tanner McNinch, Ness County; Yield: 194.52 bu./acre; Pioneer P0805AM

3rd Place: Marc Ramsey, Lane County; Yield: 152.05 bu./acre; Dekalb 55-54

SOUTHWEST DISTRICT 3 Irrigated Category

1st Place: Tyler Hands, Haskell County; Yield: 307 bu./acre; Hybrid: Pioneer P1828AM

2nd Place: Jayce Stabel, Kearny County; Yield: 271.89 bu./acre; Hybrid: Pioneer P1572AM

3rd Place: Tyler Hands, Finney County; Yield: 269.16 bu./acre; Hybrid: Pioneer P1828Q

NORTH CENTRAL DISTRICT 4 Dryland Category

1st Place: Ronald Ohlde, Clay County; Yield: 268.60 bu./acre; Hybrid: Ohlde Seeds 20-13

2nd Place: Rod Stewart, Washington County; Yield: 235.23 bu./acre; Hybrid: Pioneer P1089AM

3rd Place: Ryan Stewart, Washington County;

Yield: 234.54 bu./acre; Hybrid: Pioneer P1089AM

CENTRAL DISTRICT 5 Dryland Category
1st Place: Steve Lang, Dickinson County; Yield: 186 bu./acre; Hybrid: Pioneer P1464AML

2nd Place: Neal Barten, Dickinson County; Yield: 186 bu./acre; Hybrid: Pioneer P1464AML

3rd Place: Justin Knopf, Saline County; Yield: 182.75 bu./acre; Hybrid: Pioneer P1244AM

Irrigated Category
1st Place: John Bergkamp, McPherson County; Yield: 280.37 bu./acre; Hybrid: AgriGold 6544

SOUTH CENTRAL DISTRICT 6 Dryland Category

1st Place: Bruce Seiler, Harvey County; Yield: 206.78 bu./acre; Hybrid: Dekalb 6569

2nd Place: Aaron Pauly, Sedgwick County; Yield: 194.58 bu./acre; Hybrid: Pioneer 2089AM

Irrigated Category
1st Place: Tony Spexarth, Sedgwick County; Yield: 279.29 bu./acre; Hybrid: AgriGold A6544VT2

2nd Place: Jared Oatney, Reno County; Yield: 263.47 bu./acre; Hybrid: Pioneer P2089

NORTHEAST DISTRICT 7 Dryland Category

1st Place: Victor Menold, Brown County; Yield: 301.59 bu./acre; Hybrid: Becks 6414V2P

2nd Place: Mike Eibberger, Jackson County; Yield: 271.85 bu./acre; Hybrid: Pioneer P1828AM

3rd Place: Gary Kram-

er, Nemaha County; Yield: 262.78 bu./acre; Hybrid: Pioneer P1563AM

Irrigated Category
1st Place: Craig Gigs-tad, Jefferson County; Yield: 279.15 bu./acre; Hybrid: Dekalb 70-27

2nd Place: Dayton Menold, Brown County; Yield: 273.14 bu./acre; Hybrid: Pioneer P1572AM

3rd Place: Alex Noll, Jefferson County; Yield: 268.80 bu./acre; Hybrid: Dekalb 70-26

EAST CENTRAL DISTRICT 8 Dryland Category

1st Place: Ryan Stainbrook, Linn County; Yield: 255.36 bu./acre; Hybrid: Lewis Hybrids 16DP887

2nd Place: Michael Sudbeck, Douglas County; Yield: 243.81 bu./acre; Hybrid: AgriGold A6572VT2RIB

3rd Place: J.D. Hanna, Shawnee County; Yield: 239.79 bu./acre; Hybrid: Brevant B14Z97AML

SOUTHEAST DISTRICT 9 Dryland Category

1st Place: Kevin Kar-mann, Woodson County; Yield: 140.91 bu./acre; Hybrid: Brevant B12G75PW

Irrigated Category
1st Place: Michael Kleinbeck, Wilson County; Yield: 235.26 bu./acre; Hybrid: Integra 6995

2nd Place: Mike Timmons, Wilson County; Yield: 227.03 bu./acre; Hybrid: Beck's Hybrid 6774V2P

NORTH-NORTHEAST DISTRICT 10 Dryland Category

1st Place: Jason Taylor, Doniphan County; Yield: 293.32 bu./acre; Hybrid: Taylor 8824VT2PRO

2nd Place: Brad Taylor, Doniphan County; Yield: 290.66 bu./acre; Hybrid: Taylor 8013VT2PRO

3rd Place: Brad Taylor, Doniphan County; Yield: 285.97 bu./acre; Hybrid: Taylor 8013VT2PRO

Irrigated Category

1st Place: Traci Noll, Doniphan County; Yield: 278.68 bu./acre; Hybrid: Dekalb 70-26

HARRIS CROP INSURANCE, LLC

We are a farmer owned agency serving Kansas farmers since 1981.

Crop Insurance Is All We Do

- Crop Hail • Multi-Peril • LRP • PRF •

785-479-5593 or Toll Free 888-408-7487
1207 Hwy. 15 • Abilene, KS 67410
 This agency is an equal opportunity provider.
www.harriscropinsurance.com

Feyh FARM SEED

ALMA, KANSAS

Producer & Processor of Native Prairie Grass Seed

We provide seed for Cover Crop, Smooth Brome Grass, Wildflowers, CRP, Reclamation projects, EQIP Mixes, & CSP.

Allow us to give you a quote.

"For All Your Seed & Erosion Product Needs."

26401 Fairfield Road, Alma, KS 66401
 (785)-765-3415 feyhfarm@kansas.net
 Fax: 785-765-4681 www.feyhfarmseed.com

Poynsky Seed Golden Harvest midland GENETICS

JOHNSON SEED

All the seed you need!
Green, KS

Seth Johnson: 785-632-4494 • Stan Johnson: 785-632-1019

SURE CROP
Quality Liquid Crop Nutrition

Achieve Healthy Fields & Optimum Yields!

- Premium Starters
- Chelated Micronutrients
- Unique Specialties
- Energizing Bio-Stimulants

To Plan for a Successful Season,
Call 1-800-635-4743!
www.SureCropFertilizers.com

Phillips SEED FARMS

SERVE. INNOVATE. GROW.

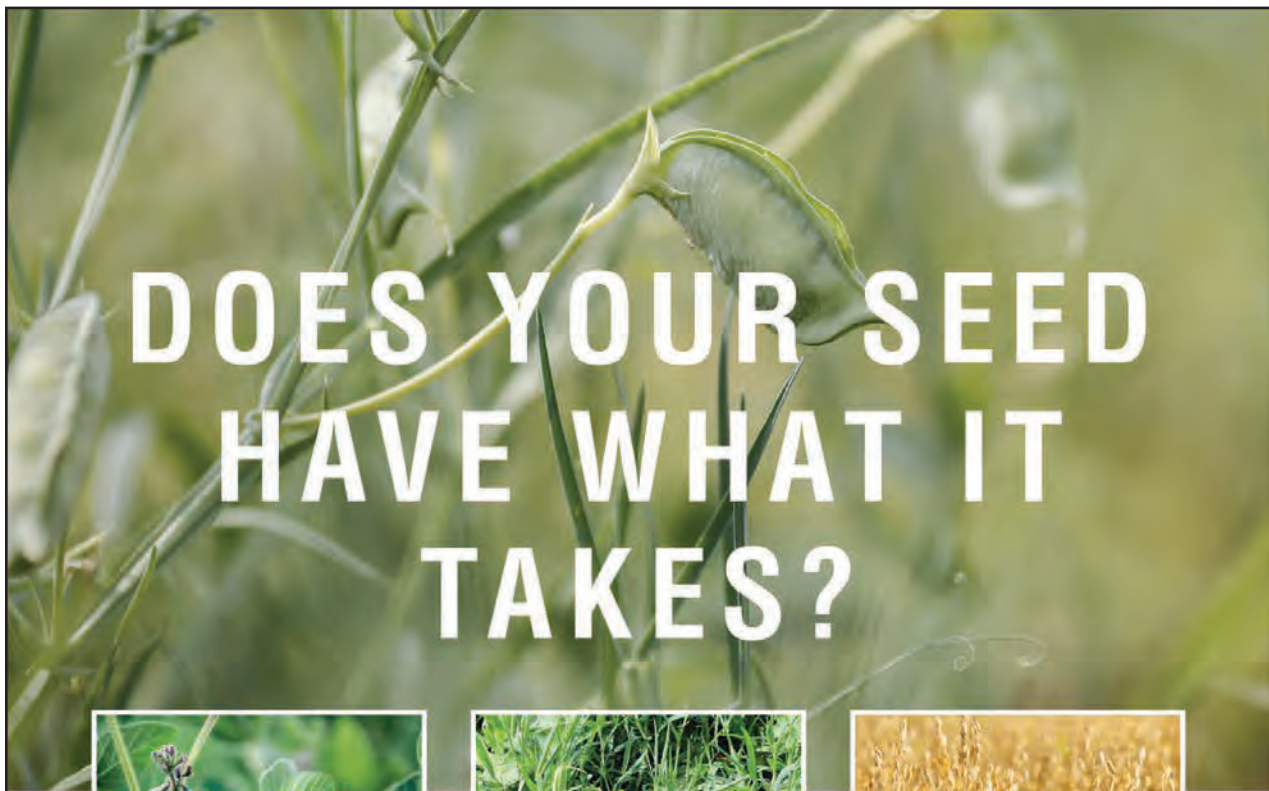
CORN SOYBEANS WHEAT MILO FORAGES ALFALFA ...and so much more!

New for 2021! WB4699 PS1366 VPR

408NR2XS

THE SEED YOU NEED... THE YIELD YOU WANT!

Proudly Serving Great Plains Growers for 36 Years!
 Contact your Dealer or call for a PSF Representative today!
 Call 785.949.2204, or check out:
PhillipsSeed.com | facebook.com/phillipsseedfarms



DOES YOUR SEED HAVE WHAT IT TAKES?



QUALITY PRODUCT. PROVEN RESULTS.

At Star Seed, flexibility, promptness and providing quality seed products to our customers are daily goals we take personally. We provide a variety of seed options from Premium Forages to Native Grass Mixtures. Our highly qualified agronomists are ready to guide you with your crop decisions to make sure your seed has what it takes!

Custom Blends Available Upon Request: > **NO** Mixing Fees > **NO** Bagging Fees > **NO** Delivery Fees

GENERAL CONSERVATION SIGN-UP: NOW – FEBRUARY 12

BE A PART OF OUR NEXT CENTURY OF INNOVATION.
CONTACT US TODAY AT 800-782-7311.



Consider Corn Challenge III contest looks to establish novel biomaterials, products, and technologies utilizing corn

The National Corn Growers Association (NCGA) is launching the Consider Corn Challenge III open-innovation contest, looking for participants to answer the call and submit proposals for new uses of field corn as a feedstock for producing sustainable chemicals and products with quantifiable market demand.

“Corn is an affordable, abundant, sustainably grown crop that has a myriad of uses and applications, which is why we are holding our third Consider Corn Challenge contest,” said NCGA Market Development Action Team (MDAT) Chair and Iowa farmer Bob Hemesath. “Corn’s cost as a feedstock has benefited greatly by improvements in technology, production and logistics efficiency. With society’s interest in more biobased products, we know we have the solution and that’s corn.”

Previous winners of the Consider Corn Challenge contests have scaled up to the next phase of development, received additional grant funding, entered into joint agreements, and obtained registration for state biobased production incentives.

“As a past recipient of the Consider Corn Challenge award from the NCGA, we have been able to deepen our technology base regarding the differential properties of our novel materials,” said Derek Wells with ExoPolymer. “Due to these

efforts, we are currently investigating several targeted market applications and feasibility studies at scale. The CCC award also helped to put a spotlight on our innovative approach, enabling us to raise additional funding and continue our progress. We are grateful for the recognition by the NCGA and are looking forward to further applying our technology for additional valuable uses of this important agricultural product.”

If all nine winners of the Consider Corn Challenge I & II reached full commercialization with products available in the marketplace, the potential for additional corn demand could be approximately 2.9 billion bushels.

“Corn farmers continue to take advantage of the technology that allows them to grow a bigger crop on less land with less resources per bushel, and that means there’s enough carryout available to meet the needs for food, feed, fuel and new uses,” Hemesath added. “This contest is a way to help us think outside of the box and meet the needs of our customers, who are asking for sustainable, biobased products.”

One to six winners will be selected with a total prize pool of U.S. \$150,000, split equally between winners. The submission deadline is June 3, 2021, and winners will be announced in September 2021.

Learn more at NCGA.com/newuses.



Rockin' S Ranch Supply
Leonardville, Ks.

785-410-2783

KILL WEEDS FOR LESS THAN A DOLLAR PER ACRE

Weed Management for Hay & Pasture, Soybeans, Milo & Other Row Crops
Eliminates Pigweed, Johnsongrass, Smut Grass, Thistles, Ragweed, Love Grass & Any Other Noxious Weeds!

FARMER TESTED

FARMER APPROVED

“I was extremely impressed... Results were far better than I expected on my 1,800 acre farm in the Ozarks using the 30' flex model. This weed control system saved me LOTS of money on chemicals with NO damage to my legume-based pastures and hayfields.”

- SW Missouri Farmer

“I have a 60 acre farm and use the GrassWorks Weed Wiper™ in my hayfields to manage johnsongrass. Not only did I have excellent kill of the johnsongrass, I really liked the fact that I had no drip or no drifting issues. My kill results were very good, the unit works very good and I'd highly recommend this weed management system.”

- Mike, Hay and Pasture, KY

“We've had excellent results from the GrassWorks Weed Wiper™. We use the Pull-Type unit with our ATV. It's saved us a lot of chemical.”

- Richard, Hay Farmer

NO DRIP!

NO DRIFT!

GrassWorks Weed Wiper™ The Rotating Weed Wiper That Works!!

“The Fast, Efficient and Economical Way”



WIPED & DYING JOHNSONGRASS



WIPED & DYING PIGWEED



3 PT TRACTOR MOUNT 6' TO 50'

“The Proven Tool for Weed Control”

- Pennies per acre
- Can be applied in windy conditions
- No drip, no drift
- Roll on paint brush application



TOW BEHIND UNITS UP TO 15'



**Grassworks
MANUFACTURING**

888-80-WIPER • 479-790-1091 • WWW.WEEDPROBLEMS.COM • MFG. IN USA

Clutter agriculture scholarship applications due March 12

High school seniors pursuing careers in agriculture are encouraged to apply for the 2021 Herb Clutter Memorial Scholarship. The Herb Clutter Memorial Scholarship was established in 2009 to honor Herb Clutter's influential role in organizing leadership groups on behalf of Kansas wheat producers and is administered by the Kansas Association of Wheat Growers (KAWG).

Thanks to the generosity of the Herb Clutter family, the scholarship was increased to \$1,000, beginning in the 2020 academic year.

"With support of the family, we were able to double the amount of the scholarship in honor of Herb Clutter and what he has done for the wheat

industry," said Justin Gilpin, CEO of Kansas Wheat. "This scholarship helps to identify and support new and upcoming future leaders in agriculture."

The scholarship fund will award one \$1,000 scholarship per year, to a college or university-bound incoming freshman from Kansas, pursuing a career in the field of agriculture. To be eligible for the scholarship, applicants must plan to be a full-time student at any two or four year, Kansas college or university. Recipients will be selected based on academic achievement, leadership qualities and career objectives focused around the field of agriculture. Recipients will receive the scholarship to be applied toward tuition

for the student's college or university education. The scholarship is non-renewable.

"KAWG is proud to support the young men and women who are the future of the wheat industry," said Gilpin. "We're looking for students who are passionate about agriculture and not only excel in the classroom, but also in their communities and extra-curricular activities."

The Herb Clutter Memorial Scholarship was established through a fund in memory of Herbert W. Clutter, a farmer from Holcomb and the first president of the National Association of Wheat Growers, which was established in 1948. Clutter encouraged Kansas wheat farmers to organize as a strong, uni-

fied voice, which led to the formation of the Kansas Association of Wheat Growers in 1952. He encouraged research in education and industrial uses of wheat, improved variety development and methods to produce the best product at the lowest cost. Clutter's efforts led to the formation of the Kansas Wheat Commission by the Kansas legislature, in 1957.

Applicants of the Herb Clutter Memorial Scholarship must complete the scholarship application, which includes a 400-500 word essay discussing why they have chosen to pursue a career in agriculture. The selection committee will use this essay along with the student's application in determining the scholarship winner. The scholarship application and attached documents are available at ks wheat.com/clutter and must be

submitted to the Kansas Association of Wheat Growers at 1990 Kimball Ave, Manhattan, KS 66502, by March 12, 2021.

More information about the Herb Clutter Memorial Scholarship is available by contacting Taylor Williamson at 785-539-0255 or email twilliamson@ks wheat.com.

rial Scholarship is available by contacting Taylor Williamson at 785-539-0255 or email twilliamson@ks wheat.com.

ASA/WISHH and Kansas State University partner on Cambodian Fish Feed and Finance Field Day

ASA/WISHH, Kansas State University (KSU) and other partners recently convened a unique field day that resulted in Cambodian fish farmers and other aquaculture industry representatives going home with new ideas for fish feed and feeding practices, as well as financing options.

KSU and Cambodia's Center of Excellence on Sustainable Agricultural Intensification and Nutrition (CE SAIN) hosted the Jan. 12 field day that also played a key role in connecting fish farmers to buyers and others in Cambodia's aquaculture supply chain.

Commercialization of Aquaculture for Sustainability Trade (CAST) - Cambodia (CAST) is ASA/WISHH's U.S. Department of Agriculture-funded Food for Progress project that benefits from KSU's expertise and KSU's work with CE SAIN, at the Royal University of Agriculture (RUA). KSU also leads a U.S. Agency for International Development (USAID) Feed the Future Innovation Lab on Collaborative Research on Sustainable Intensification

(SIIL).

"The partnership between ASA/WISHH and Kansas State University's SIIL will work to increase the productivity of aquaculture farms in six provinces around the country, by providing training for the improved quality and accessibility of inputs and better market linkages and promoting policies that will enable an environment that better supports aquaculture farmers," said Vara Prasad, University Distinguished Professor and Director of SIIL.

"This is also a great opportunity to continue to build capacity within RUA and strengthen our partnership and collaborations with Kansas State University and other U.S. institutions," said CE SAIN's Director Lyda Hok.

KSU collaborates with Cambodian researchers, policymakers, donors and aquaculture industry representatives who participate in CE SAIN's initiatives. CE SAIN and CAST's technical team conducted the farmer field day at the Serey Sophorn High School, which is home to CE SAIN's Agriculture Technology Park in Kam-

pong Thom province. With USAID support, KSU established the Agriculture Technology Park inside Serey Sophorn High School, which creates a natural training site for current and future fish farmers.

The 35 field day attendees ranged from fish producers and feed suppliers to fish buyers and distributors to students at the high school. Importantly, the event introduced Chamroeun Microfinance to participants. CAST partner World Vision and Chamroeun Microfinance have launched the first financial services program specifically designed for Cambodian aquaculture. The main objective of the partnership between World Vision/CAST and Chamroeun Microfinance is to make convenient financial services available to CAST project beneficiaries. They offer new opportunities for fish farmers, processors, wholesalers, retailers, and other aquaculture enterprises to grow the Kingdom of Cambodia's aquaculture sector, which is

• Cont. on page 10



Spring Seed Oats
Jerry • M-120
Miller Seed Farms
millerseedfarms.com
800-567-3125



CVA Elite products have been proven in CVA geography through field testing and are built for the dynamic growing conditions and stresses growers face each year, resulting in more profit per acre.

Contact your CVA Field Sales Agronomist or visit cvacoop.com to learn more.

COTTAGE HILL AG SUPPLY

★ Waterville, Kansas ★

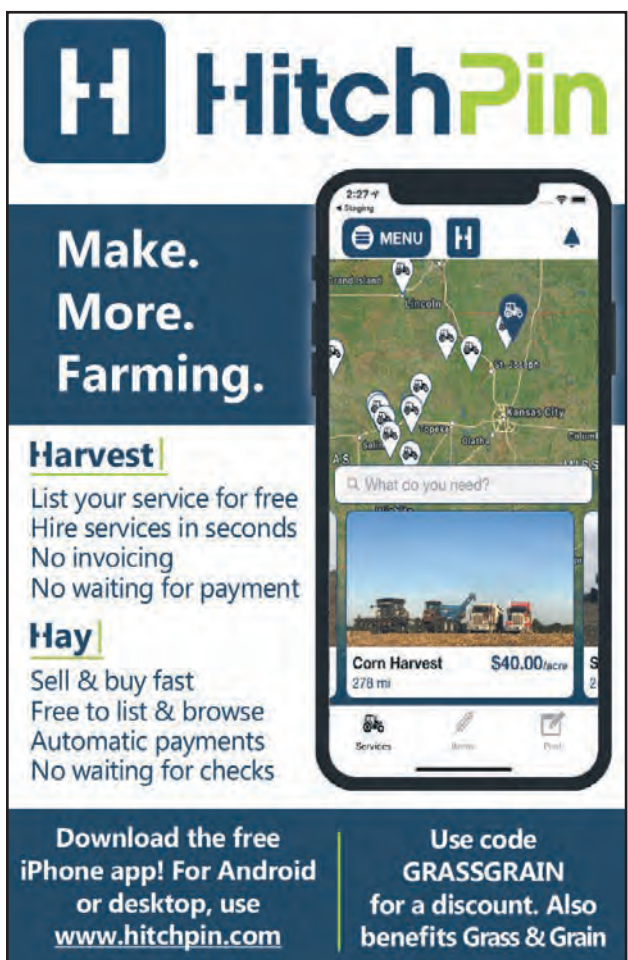
Channel.  

Planter Parts & Repair

 Like us on Facebook



785-313-6101 • djacobson@bluevalley.net



HitchPin

Make. More. Farming.

Harvest
List your service for free
Hire services in seconds
No invoicing
No waiting for payment

Hay
Sell & buy fast
Free to list & browse
Automatic payments
No waiting for checks

Download the free iPhone app! For Android or desktop, use www.hitchpin.com

Use code GRASSGRAIN for a discount. Also benefits Grass & Grain



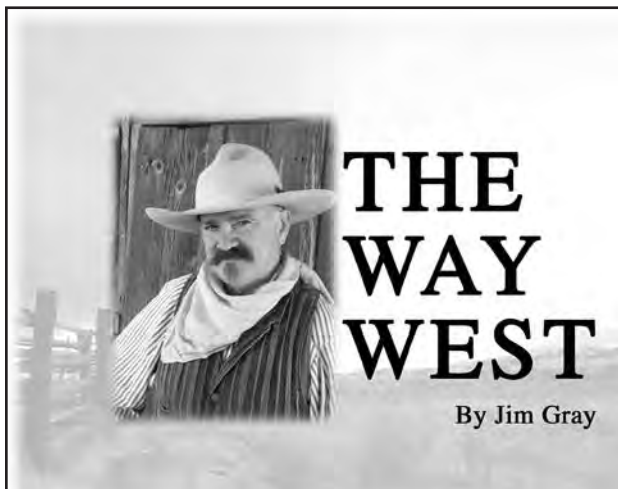
WE'RE HERE TO BRING NEW. AND WHILE WE'RE AT IT, WE DECIDED TO BRING SOME HEARTY CONGRATULATIONS.

CONGRATULATIONS ON YOUR SUCCESS IN THE 2020 KANSAS CORN YIELD CONTEST.

KEVIN KARMANN
1ST PLACE — SOUTHEAST | DISTRICT 9 DRYLAND CATEGORY
Woodson County, KS
Brevant™ Brand B12G75PW™

J.D. HANNA
3RD PLACE — EAST CENTRAL | DISTRICT 8 DRYLAND CATEGORY
Shawnee County, KS
Brevant™ Brand B14Z97AML™

 *** Trademarks of Corteva Agriscience and its affiliated companies. © 2021 Corteva.



THE WAY WEST

By Jim Gray

A Bridge Too Far

In early January, 1867, Jack McDowell of Kansas City stepped into the W. K. Pollard Livery at Council Grove in need of transportation to Junction City. Pollard had been in Council Grove since 1857. He had seen hundreds of travelers passing along the trail, most of them in a rush to move on. McDowell had spent his time in town mostly bul-

lying and blustering over his need to get to Junction City. He was traveling with a woman of questionable character and had decided it was time to leave town. When McDowell could not obtain transportation by other means he hired a team of horses and a buggy from liveryman W. K. Pollard. McDowell surely looked risky, but then anyone on the trail in those days was capable of a dubious past. Doing business on the frontier carried its risks.

Claiming he would return in four days, Pollard leased a buggy and team of horses to McDowell. Four days passed without a sign of McDowell. Five days, six days; Pollard waited as

long as he dared. The seventh day, January 15, 1867, Pollard traveled to Junction City only to discover that McDowell had set out for Omaha, Nebraska. Powell telegraphed a wire to the Omaha City Marshal who quickly discovered that McDowell had sold the team. McDowell was arrested before he could leave Omaha. According to the *Omaha Herald* when McDowell was arrested the marshal seized two hundred twenty-two dollars and fifty cents, believed to be part of the proceeds from the sale.

F. G. Hunt, Esq., a correspondent quoted in many Kansas newspapers, related that Pollard "procured a requisition" from the governor of Kansas and traveled to Omaha to get his man. McDowell was surrendered to Pollard, who brought him back to Council Grove. The pair arrived on February 1st. On the way McDowell told Pollard that he did not want to travel by way of Lawrence. He claimed that he had been in Quantrell's raid and feared being recognized.

At Council Grove Justice Stevenson immediately interviewed the prisoner and bound him over under an eighteen-hundred-dollar bond. He was secured in a log house with four guards to keep him in place.

Being a man of the frontier McDowell expressed his indignation at his incarceration in a most crude and insulting manner. While under guard he boasted that during the war he had killed one hundred fifty Union men. Some he claimed that he had hung "just to see them kick," and others he shot, "just to see them

jump." He had "marked" the men who assisted in his prosecution as well as the guards who were holding him against his will. McDowell swore that if it took "ninety-nine years" he would return to Council Grove and with a rope tied to his saddle horn and looped around their necks he would drag his persecutors through the streets. He would have his revenge!

Writing to the *Leavenworth Daily Bulletin* a witness signed as "CITIZEN," noted that "These boasts... had the effect of impressing somebody that he was a useless encumbrance to the earth." At about midnight, Saturday, February 2nd, an estimated ten to fifteen masked men burst into the house with revolvers cocked. Having been taken by surprise the guards relinquished the prisoner who was taken to the bridge over the Neosho River. McDowell's last words were not recorded before the last breath of life was extinguished with a hangman's rope. The next morning, February 3, 1867, a coroner's jury was summoned to investigate the lynching. Not surprisingly, "the names of those who performed the summary execution (could not) be learned."

After the hanging a letter from an unknown

Kansas City acquaintance was published in several papers refuting some of the claims about the desperado. He had in fact joined the rebels riding as a bushwhacker. When he was captured by federal troops he revealed the location of Cole Younger's camp to gain his own release. Nine of Younger's men were killed. "Since that time McDowell kept pretty clear of the rebels." He had a miserable reputation at Kansas City as a horse thief and a suspected murderer, but he evidently told of the raid on Lawrence and other exaggerated exploits to intimidate his captors.

In the end McDowell overplayed his hand. As F. G. Hunt suggested, "doubtless, had the prisoner behaved himself in a decent manner he might have escaped his terrible fate." But for such men decency was "a bridge too far," that defied understanding. Unfortunately for Jack McDowell that bridge ultimately led him to the end of his rope on The Way West.

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

ASAWISHH and Kansas State University partner on Cambodian Fish Feed and Finance Field Day

• Cont. from page 9

important to the economy, as well as nutrition and health. In addition to receiving training on feed and feeding, participants heard and saw how pelleted feeds make fish grow faster. Attendees toured CE SAIN's Agriculture Technology Park and learned to take samples of fish. Fish sampling is important for the farmers to monitor how many fish are in their ponds so they can manage them profitably. They also participated in discussions about good business and management practices. Fish farmers spoke with buyers about the value of locally raised fish, which allowed for a discussion about the quality that is needed for the market.

Another attendee was a woman who owns a fish-buying enterprise that already purchases from the CE SAIN ponds. She regularly participates in CAST activities and has also reinforced the importance of local fish farmers supplying quality fish.

The high school students not only learned about aquaculture for themselves, but also gained important knowledge for their families' farms. One student reported that she was taking the information home to her mother who is a fish farmer.

LAND AUCTION

SATURDAY, FEBRUARY 27, 2021 - 2:00 PM
942+- ACRES BUTLER COUNTY, KS RANCH
 AUCTION LOCATION: Train Depot, 11724 SE Beaumont Road
 BEAUMONT, KANSAS 67012
 LAND LOCATION: ¼ mile South of Beaumont on the Beaumont/Latham Road.

SQUIER FAMILY TRUST, SELLER

10-ACRE WATERSHED LAKE * 7-ACRE POND
 * 6 OTHER PONDS * LIVE WATER CREEK
 * QUALITY CATTLE GRAZING * NATIVE PASTURE
 * BLACKTOP FRONTAGE * WORLD CLASS HUNTING
 * TILLABLE * OIL PRODUCTION INCOME * SPRING & TIMBER
 RANCH STYLE HOME, BUILDINGS, CATTLE PENS, ROPING ARENA

SUNDGREN REALTY
 Land Brokers

JOE SUNDGREN
 316.321.7112
 JEREMY SUNDGREN
 316.377.0013

Visit our Website for more details: www.sundgren.com

TOY AUCTION

The Late Ray Hunninghake Vintage & Collectable Toy Auction
SUNDAY, FEBRUARY 21, 2021 • 11:00 AM

AUCTION LOCATION: The Nemaha Co. Community Center,
 1500 Community Drive, SENECA, KANSAS

Items Selling: Approx. 275 PLUS lots of Antique and Collectable toys; Metal Farm Machinery, Trucks, some Construction Items, a hand-painted Pony Express mailbox w/scene & a hand-painted picture of Hollenberg Pony Express Station, both by Marie Conger. Many are in original boxes;

Most are in very good condition! Also offered are many, many more assorted Scale Model Toys, Farm Equipment, Matchbox and Small Iron Toys, Pressed Tin Toys, Commemorative Belt Buckles, Knives, Promotional Buttons, Toy Magazines (from 1980's) and many more collectables.

ATTENTION LADIES, 350 pieces of Costume Jewelry, which will be sold with a separate auction ring at 1:00 pm.
BRANDS OF MACHINERY: John Deere, International, Farmall, Case, Minneapolis Moline, Oliver, Ford, Steiger, Versatile, Hesston, Cockshutt and many other items of a single brand. Trinket items mixed in. Many unique items. **TAKE A LOOK!**

TERMS: Cash or Valid Check. Not Responsible for Accidents or Theft. Statements made sale day take precedence over printed material. **LUNCH ON GROUNDS!**

SELLER: ROSANN HUNINGHAKE

For individual pictures, please check our website:
www.clinerealtyandauction.com

Items sold in catalog order. Almost all in very good condition.
 Auction Conducted By: **CLINE REALTY & AUCTION, LLC**
 John E. Cline, Broker/Auctioneer, Onaga, KS, 785-889-4775,
 cell: 785-532-8381
 Austin Cline, Auctioneer, Frankfort, KS, 785-565-3246
WEBSITE: www.clinerealtyandauction.com

KANSAS LAND AUCTION
GREENWOOD COUNTY

Pasture & Hunting Land

1,432± ACRES
 OFFERED IN 3 TRACTS & COMBINATIONS

FEBRUARY 25TH, 10:00AM CT

EL DORADO CIVIC CENTER
 201 E. CENTRAL
 EL DORADO, KS 67042

- 50 miles east of Wichita, KS
- Trophy white tail deer, turkey, prairie chicken & quail hunting!
- Live creek and numerous spring fed ponds makes this property a hunter's paradise.
- Abundant grass in a prime location.

HALL AND HALL
CALL FOR BROCHURE
 800.829.8747

www.HallandHall.com

NAA
 Auctioneer

Lane County, Kansas

782 Acres

Internet-Only
AG LAND
AUCTION

782A +/- Lane County Land Offered in 3 Tracts

Monday, February 15, 2021 ~ 2PM

165 N. Ike Road, Dighton, KS 67839

Location - 3m West, 1.5m North of Dighton, KS

TRACT 3 - 233A +/-

TRACT 2 - 241A +/-

TRACT 1 - 308A +/-

Marvin and Wanda Pinkston Estate - Seller

Full Terms & Photos Available at
ucgreatplains.com/auctions

Lance Fullerton, CAI
 Auctioneer / Broker
 (620) 412-9693

5% Buyer's Premium

United Country
 Real Estate

Great Plains
 Auction &
 Real Estate

Dream Dirt

IR NAA Kansas

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.

Always great online Equipment auctions — www.purplewave.com

Online Auction — Bidding soft closes February 9, 6 PM selling 1966 Ford Galaxie 500, 1966 Ford Galaxie 500 XL convertible, 1966 Ford Galaxie 500 Convertible, 2000 Chevy Silverado 1500, 2014 Dodge Challenger, 2007 Pontiac Solstice convertible & more. www.lindsayauctions.com. Auctioneers: Lindsay Auction & Realty Service, Inc.

Invitation To Bid — Scott Wilkens is accepting sealed bids on approximately 10-acre tract in Washington County, KS. Bids must be received by February 19, 2021, 12 PM at sealedbidauction.net. Contact Galloway, Wiegers & Brinegar, PA, attorneys at law.

February 9 — 450.7 acres m/l of Morris and Dickinson County, KS quality farmland with small pasture, excellent fences and water offered in 4 tracts held at Hope. Auctioneers: Farmers National Company, Fred Olsen, AFM/agent; Van Schmidt auctioneer.

February 9 — 102 acres m/l of Saline County, KS quality farmland with immediate possession held at Gypsum. Auctioneers: Farmers National Company, Fred Olsen & Matt Dowell, AFM/agents; Van Schmidt auctioneer.

February 11 — 481 acres m/l of Lincoln County, Kansas land selling in 2 tracts consisting of T1: 159.43 ac. m/l farmland; T2: 321.93 ac. m/l farmland, pasture, grass held at Sylvan Grove & online bidding (www.hansen-auction.com) for Dillon Farms. Auctioneers: Hansen Auction & Realty.

February 11 — 704 acres m/l of Neosho County River Bottom, Cropland, Hunting, Recreation, Pasture (located close to Erie) held just South of Erie for River Farms, Inc. Auctioneers: Larry Marshall Auction & Realty.

February 12 — Rural Real Estate consisting of 4.3 acres with old farm house, buildings, water well & heavy timber. Also selling personal property including 150+ guns, 50+ old vehicles, scrap iron, antiques, tools, architectural iron & wood, 200+ traps, car parts, advertising, tractors, primitives & more held at Douglass for Estate of Calvin Markel. Auctioneers: Sundgren Realty, Inc., Land Brokers, Joe & Jeremy Sundgren.

February 13 — Antiques, collectibles, household & tools including 12-piece set Franciscan china, antique furniture, dolls, jewelry, Depression glass & other glassware, crocks, canning jars & more held on north side of Osborne for E. Doris White Trust & Roger & Carolyn Nuzum. Auctioneers: Thummel Real Estate & Auction, LLC.

February 13 — 80 acres m/l of Coffey County land consisting of approximately 30 ac. tillable, balance very good native & mixed grasses, fenced with 2 ponds, good gravel roads on 2 sides held onsite at Waverly for Dorothy Flory. Auctioneers: Kurtz Auction & Realty Service, Darwin W. Kurtz.

February 13 — 781.5

acres m/l of Marshall County, KS land consisting of T1: 90.6 ac. m/l farmland; T2: 77.2 ac. m/l farmland; T3: 139.3 ac. m/l farmland; T4: 275.68 ac. m/l farmland; T5: 205.04 ac. m/l pasture & wildlife habitat held at Summerfield (for online bidding: www.MidwestLandandHome.com) for Orval & Myra Stock Family Trusts. Auctioneers: Midwest Land & Home, Jeff Dankenbring, listing broker; Mark Uhlik, broker/auctioneer.

February 13 — Retirement farm machinery auction consisting of mostly John Deere equipment: tractors, combine, planter, a full line of tillage and haying equipment and trucks held West of Manhattan for Wood and Wood Farm, Daryl Wood. Auctioneers: Cline Realty & Auction, LLC.

February 15 — 782 acres m/l of Lane County, Kansas Ag land (land located near Dighton, KS) offered in 3 tracts held Online Only for Marvin & Wanda Pinkston Estate. Auctioneers: United Country Real Estate Great Plains Auction & Real Estate, Lance Fuller, CAI, auctioneer & broker. Go to ucgreatplains.com/auctions or call 620-412-9693.

February 18 — Farm Machinery Consignment Auction consisting of tractors, planting, cultivating & spraying, tillage, hay & livestock, grain handling & harvest equipment, antique machinery, construction, trucks, trailers, vehicles, miscellaneous & Lou Dale Sales Estate items held at Tekamah, Nebraska with Online bidding provided by Equipment Facts. Auctioneers: Lee Valley, Inc., www.leevalley.net

February 18 — 10,935 acres m/l of Seward & Stevens County, KS land to sell at Absolute Auction consisting of irrigated cropland, dryland & multiple farm improvements to be held at Liberal for Hatcher Farms. Auctioneers: Peoples Company.

February 19 — Irrigated & non-irrigated Marshall County land including 249.8 taxable acres m/l and 9.6 taxable acres m/l to be sold as one tract and held in Marysville for Edington Family Trust. Auctioneers: Donald Prell Realty & Auction, LLC.

February 20 — 157.79 acres m/l of Nemaha County Land auction including 84 ac. m/l of tillable farmland, 60 ac. pasture with balance grassland & waterways; rural water meter with hydrant held at Seneca for Albert & Elizabeth Oldberding. Auctioneers: Seneca Realty, Mike Kuckelmann, broker; Dale Wilhelm, auctioneer.

February 21 — Vintage & Collectible Toy auction consisting of farm machinery, trucks, construction equipment toys held at Seneca for the Late Ray Hunninghake Toy Collection. Auctioneers: Cline Realty & Auction, LLC.

February 23 — Absolute land auction including 4,800 acres m/l Cropland, Grass & Country Home located in Lincoln & Kiowa Counties, Colorado held at Eads, Colorado for Jerry & Marion Seymour. Auctioneers: Farm & Ranch Realty, Inc., Donald Hazlett, broker.

February 25 — Real Estate consisting of 1,432 acres m/l of Greenwood County pasture & hunting land offered in 3 tracts & combinations held at El Dorado. Auctioneers: Hall and Hall.

February 27 — Over 400 lots Coins including proof sets, lots of Peace Dollars, large cents, Morgan

Dollars, 2-cents & 3-cents, Buffalo nickels, Liberty & Indian Gold, half dollars & much more held at Emporia. Auctioneers: Swift-N-Sure Auctions & Real Estate.

February 27 — Land auction consisting of 942 acres m/l of Butler County, KS Ranch land including 10-ac. watershed lake, 7-ac. pond & 6 other ponds, live water creek, native pasture, blacktop frontage, hunting, oil production income, spring & timber; also ranch-style home, buildings, cattle pens & roping arena held at Beaumont for Squier Family Trust. Auctioneers: Sundgren Realty-Land Brokers.

March 1 — Great quality line of Farm Equipment held at Abilene for T. Lee Gruen & Jason Kookan. Auctioneers: Reynolds Auction Service, Randy Reynolds & Greg Kretz, auctioneers.

March 1 — 33rd Annual Lyons Ranch sale held at the Ranch at Manhattan.

March 2 — 105.79 acres m/l of Irrigated Farmland/Hunting land on Republican River consisting of 83.78 ac. m/l FSA cropland, 79.21 ac. m/l irrigated, 22.01 ac. m/l wooded land held at Scandia for Windmill Real Estate, LLC. Auctioneers: United Country-Milestone Realty and Development.

March 2 — 80 Acres Marion County land consisting of 67.41 acres cultivated cropland, balance is waterways, draw with trees and old 1/2-acre farmstead site with hunting area held at Marion for Howard L. & Mary E.

Collett. Auctioneers: Lepke Realty & Auction, Lyle Leppke & Roger Hiebert.

March 2 — On Target Bull Sale held at Blue Rapids.

March 4 — Jensen Brothers Bull Sale held at Courtland.

March 5 — 947 acres m/l of Flint Hills Grass in 2 Tracts in Chase County, T1: 708.13 ac. m/l & T2: 239.40 ac. m/l. Good water and clean stand of grass held at Cottonwood Falls for Family of Virginia L. Griffiths, Florence Luella Smith & Minnie R. Westbrook. Auctioneers: Lepke Realty & Auction and Griffin Real Estate & Auction.

March 5 — The KSU Legacy Sale held at Manhattan.

March 6 — Farm machinery including 2003 JD 8420 tractor, 1998 JD 7610 tractor, 2000 JD 6110 tractor, 2013 JD 2320 tractor, combine, mowers & much more; also trucks, trailers, shop items, household, antiques & miscellaneous held near Cherryvale for William "Bill" Blaes Trust. Auctioneers: Larry Marshall Auction & Realty; Mark Garretson, Truston Garretson & Larry Marshall.

March 6 — 150 acres m/l Nemaha County cropland, farm & machinery auction held 1 mile East of Baileyville for Leonard Hunninghake Cons. Estate. Auctioneers: Olmsted Auctions.

March 6 — Farm machinery & miscellaneous Southwest of Abilene for Paul Lehman & Dorothy Lehman Trust. Auctioneers: Kretz Auction Service.

March 6 — Laffin Angus Production Sale held at Olsburg.

March 6 — Loving Farms Bulls & Females Sale held at Pawnee Rock, KS.

March 6 — Judd Ranch 43rd Gelbvieh, Balancer &

Red Angus bull sale held at Pomona.

March 13 — Farm machinery including 2000 Cat Challenger 55 tractor, 1980 JD 4440 tractor, 1960 JD 4010 w/front loader, 1997 JD 9500 combine & more; also trucks, livestock equipment, antique windmill, grain facilities, shop items & miscellaneous held near Chanute for Hugo Spieker. Auctioneers: Larry Marshall Auction & Realty, Mark Garretson, Truston Garretson and Larry Marshall.

March 13 — Complete line of farm machinery & livestock equipment held at Eudora for Mary E. Abel Trust. Auctioneers: Cline Realty & Auction, LLC.

March 13 — 10th annual May-Way Farms Production Sale selling yearling registered Angus bulls & registered females held at Baldwin City.

March 20 — New Strawn Farm & Ranch Consignment auction held at New Strawn. Richard Newkirk, sales manager; Auctioneers: Kurtz Auction & Realty Service.

March 20 — Cattleman's Choice sale & customer appreciation celebration held at the Ranch at Greenleaf.

March 23 — Mark your calendars for the Premier Herd Sire offering of the spring held at Eureka for Sunh Cattle Company.

March 27 — Annual consignment auction consisting of farm machinery, trucks, trailers, livestock equipment, farm tools & miscellaneous held at Durham for consignments

Grass & Grain, February 9, 2021

in conjunction with G&R Implement. Auctioneers: Lepke Realty & Auction, Lyle Leppke, Roger Hiebert.

March 27 — Farm auction including 4 possible rebuildable tractors: 706 International, 460 International, M&C International; 24' Travalong stock trailer with low miles like new, 24' flatbed Travalong trailer like new, 16' enclosed trailer good, 2 comp. overhead feed bins, lots of cattle equipment, 1999 Dodge 4WD 1-ton pickup, saddle collections (some high-back including a Frazier) & more held at Maple Hill for Linda Raine & the late Bill Raine Estate. Auctioneers: Murray Auction & Realty, Steve Murray.

March 27 — Real Estate & personal property held at Axtell for Norbert Schmitz Estate. Auctioneers: Olmsted Auctions.

March 27 — Farm machinery, skid steer, antique machinery, farm-related items & household goods held Northwest of Randolph for Byarly Family Trust. Auctioneers: Kretz Auction Service.

April 10 — Real Estate & personal property held at Marysville for Darrell & Marjorie Cudney Estate. Auctioneers: Olmsted & Sandstrom.

April 10 — Fink Beef Genetics Spring Bull Sale held at Randolph.

April 17 — Household, tools, collectible items, lots of iron & more held at McFarland for Harold Feyh. Auctioneers: Murray Auction & Realty, Steve Murray.

ATTENTION AUCTIONEERS

* Due to new printing deadlines, all ads (including auctions) have to be sized by Noon and ads submitted after Noon will not be accepted.

* Ad deadline remains at Noon but those received close to deadline may be restricted to an estimated size. It is always recommended to try and submit auctions by the end of Thursday for proofing purposes.

* Deadline for the Free Auction Calendar is 11 AM each Thursday. You are welcome to send your listing as soon as you have it and before advertising starts.

AUCTIONS are a VERY IMPORTANT part of Grass & Grain & this notice is meant to prevent any auction from being excluded due to deadline. We appreciate your loyalty to Grass & Grain!

REAL ESTATE AUCTION
704 Acres m/l of Neosho County River Bottom, Cropland, Hunting & Recreation Land, Pasture
Land located near or on the river, close to Erie, KS
THURSDAY, FEBRUARY 11, 2021 — 1:00 PM
Sale Location: Tony's Function Junction — ERIE, KANSAS
South of Erie, approx. 3 mi. on 59 Hwy. (10400 US 59 Hwy.)
OWNER: RIVER FARMS, INC.
For complete details contact Sellers Agent:
LARRY MARSHALL AUCTION & REALTY
620-485-6136 (cell) or 620-378-4356 (office)
or email: marshallauction@twinmounds.com
Or See our Websites:
www.lmarshallauctionandrealty.com or www.kansasauctions.net

FARM MACHINERY CONSIGNMENT AUCTION
THURSDAY, FEB. 18, 2021 • 8:30 A.M. SHARP!
AT LEE VALLEY, INC., 6 MILES NORTH OF TEKAMAH, NEBRASKA
We Will Be Running 2-3 Auction Rings All Day! • Online Bidding is provided by Equipment Facts.
This list subject to change. Call to confirm consignments. Machinery Brought In After Monday, Feb. 15, Will Be Sold Last.

TRACTORS: JD 7830 MFWD, 2942 Hrs, PQ, w/LHR, Fenders, 18.4x42 Duals. JD 9400 Bare Back, 710 Metric w/Duals, 5613 Hrs. JD 4955 MFWD, 20.8x42 Duals, TH, QH, 4173 Hrs. IHC 1256, 3Pt, Dual 20T, Dual Hyd Fenders. JD 4850, 2WH, 155SP, 18.4x42 W/Duals, TH, 3Pt, PTO, 3000 Hrs on Reman Motor. JD 6120 MFWD, Cab, Air, Quad E & F Range w/Creeper Triple Hyd. IHC 686 Gas, WF, 3Pt, D Hyd, PTO, Fenders w/Dual 325 Loader. IHC 1086 Cab, Air, Heat, 3Pt, 2 Hyd, 18.4x38, Ford TW-35, w/TA-46 Loader. IHC 666 Diesel, WF, 3Pt, 2 Hyd, 38" Rubber. IHC 756, JD 2010 Diesel Utility, WF, 3Pt, PTO, SH.

PLANTING, CULTIVATING & SPRAYING: Kinze 3200 Planter, 12RN Center Flex, w/Fert. Kinze 2000Planter 8R30, Rigid w/15 Row Splitter. Kinze 3200 Planter, 12RN, KPM3 Monitor, Low Acres, No Till Coulters, Residue Wheels. JD 7000 4RW w/3R Splitter Units, w/Coulters. B&B Sprayer 1000 gal, 60' Booms, Tall Tires, Controller. JD 7200 12RN, VAC, Wing Fold. JD 845 16RN Cult. JD 16RN Flat Fold Rotary Hoe. IHC 5100 Drill Double Disk 7x21 w/Grass. Case IHC 5400 Soybean Special 11R15. Elk Creek Caddy. Schaben 3PT, 120FT, Spray Boom, Schaben 750 Gal Sprayer, 50' Boom, Walking Tandem w/Monitor. Demco HT Sprayer 1000 Gal, 60FT Boom, Rinse Tank, Monitor, Tall Tires. JD 7000 8RN Folding Planter. Stroebel 2 Box Seed Tender. JD 875 Cult. 8RN. Ag Systems Applicator tool bar frame, w/380-46 Tires. IHC 181 Rotary Hoe. 225 Gal Ea. Inboard Agri Products Saddle Tanks, FT 10-20-30 Tractor. 400 Gal Helicopter Tanks, FIT JD MFWD-IVT. 40' 3Pt Spray Boom. JD 400 Hoe 4RW. JD RG GN. 6RN Danish tine. Orthman 4R Ridger.

TILLAGE: JD 722 Mulch Finisher 38ar, Coil tine, 28FT. Case IHC Tigermate FC 28'. JD 630 Disk, 30FT. Rolling Basket Harrow, 30FT of JD 630. JD 637 Disk, 37' 10" Rock Flex w/Harrow. IHC 3900 disk 21', 9" Spacings. DMI Nutri-Plac 13 Coulter Liquid Fertilizer Applicators. Elk Creek Caddy w/Dual 8Bolt Wheels. JD 985 Field Cult 60FT. IHC 496 Disk 28' w/Harrow. JD 960 FC 32'. Blue Jet Tractor Master, Pivot Closer. IHC 10 V-Ripper, 7 Shank. Krause Disk 22FT. Model 14. IHC 490 Disk 21FT. IHC 3Pt, C. Hank Chisel. IHC 480 disk, 20". JD 1450 5B Plow. IHC 580 6B Plow

HAY & LIVESTOCK: Vermeer M8040, 3Pt Disk Mower, 9'. JD 2320 Windrower. JD 260 3 Pt Disk Mower, 7". NH 353 Grinder Mixer. Oswald 320 Feed Wagon w/Scale. JD 1600 Windrower. Jhd 1875 TDC Round Baler. NH 273 Square Twine Baler. JD CX-15 Bat Wing Mower. JD 5Tine Grapple off JD 840 Loader. Hesston 565A Round Baler. New 80-68AR 20' Continous Panels. NEW 20-5'x10' Portable 60 Gall Panels. NEW AK Best Free Standing Panels. IHC 575 Manure Spreader, TA Slope Gate. 2 - Apache Creep Feeders. Lorenz 1250 Grinder Mixer. Lorenz 85H3 Grinder Mixer. Gehl 325 Manure Spreader. JD 3960 Chopper w/Hay Head. JD 1380 Windrower. JD 48 Loader. 50 - Small Square Straw Bales - Wire. JD 640 Rake. 14' Hyd Hog Cart. Prt 10ft. Woden Feed Bunks. JD 510 Round baler. 20T Bulk Bin. M&W 10 Wheel V-Rake. Bush Hog 2400 OT Loader. Woods 3Pt Stock Feeder. JD Hay Rack. Homemade Squeeze Chute. Hampton 2 Auger Feed Wagon. Vermeer 605K Twine Wrap. JD 44 Manure Spreader. New 12x30 Livestock Shelter

GRAIN HANDLING & HARVEST EQUIP: Case IHC 2388, 2003 Model, 18.4x42 Duals, Yield Monitor, Chopper, Bin Ext, Fully equip. 3443 Eng./2239 Rotor. Case IHC 1020 Flex, 30FT. Drago 8RN Cornhead Fits 2388. Peck 12x92 W/PDK. Peck 10x66 Direct Drive Low Profile. Buhler Farm King 10x70 DD w/Electric Hopper Lift. Peck 10x71 Direct Drive Hyd Auger. Peck 10x66 Low Profile. Hyd, 2009 Model. Peck 8x36 PTO w/Bin Hopper. Buhler Farm King 8x36, PTO. JD 643 HT. IA 435 Header Trailer. AC- 6RN Cornhead Fits R52. 30FT Header Trailer. Brent 740 Gravity Wagon w/Truck Tires. Heider Gravity Wagon, Tapr, w/Hyd Side Auger. Bradford Gravity Wagon w/Westfield Side Auger. Parker 350 Bu Gravity Wagon. Killbros 350 Bu Gravity Wagon. Parker 250 Bu Gravity Wagon. Killbros 450 Center Dump Wagon. Westfield 13x71 Low Profile. Westfield 10x71 Low Profile. Farm King 10x72 Low Profile

ANTIQUE MACHINERY: IHC 3B, 3Pt Plow. IHC 3B, 2Pt Plow. Ford 2B 3Pt Plow. Ford 11 Rigid Shank 3Pt Cult. Ford 11Spring Shank, 3Pt Cult. JD Steel Wheel Running Gear. JD 2 Row Pull Type Planter. JD 4B, 3PT Mounted Plow w/Slat Bottom. IHC Rear Solid Weights. JD 3010 - 4010 Starter Frt Wts w/Slab. Dearborn Cultivator. Horse Drawn one way Disk. Metal Clipper Fanning Mill. Wooden Model B Clipper Fanning Mill. JD Front Weight for 1020-2020-2030. Ant Steel Wheel Potato Digger w/Orbit Motor. Horse Drawn Disk

CONSTRUCTION: JD 310D Loader Backhoe. Eversman 600 Dirt Scraper. Rowse 4YD RF Dirt Scraper. Rhino 1540 3Pt Blade, 10FT 6 Way. JD 9250 3Pt Backhoe. Pull Type 12ft Box Scraper. JD 524 Dozer Blade, 9ft. Longhorn L6, Box Scraper. Pul Type 12ft Box Scraper w/Hyld Tilt. 7" Skid Steer Material Bucket. OMCA 310 Mustang Skid Steer. JD 3PT Backhoe. SS Rock Bucket 66". 3PT, Hyd Back Hoe. NEW Lowe SS 1650 & 750 Hyd Post Hole Digger. NEW Stout SS Brush Grapples, 66-9, HD 72-8, HD72-4, XHD 84-6, HD 72 FB & 48" Pallet Forks. NEW 4-12-16.5 Skid Steer Tires. NEW IA 140R 6Way Grader Blade. NEW IA 165 Hyd 3Pt Blade. NEW IA 180 Hyd 3Pt Blade. NEW IA 12F Box Blade. NEW IA 10F Box Blade. NEW IA SP9 & SP10 Snow Pusher. NEW IA F07, F10, F12 Box Blades. Semi Load of New Patriot Skid Steer, Rock & Brush Grapples, Root Grapple, Rock Buckets, 72 & 80", Brush Mowers, 1 Pallet Fork Exts, Receiver Hitch Plates & Weldable QT plates, NEW JCT, Skid Steer, Brush Cutters, Hyd Augers, 72" Hyd Box/Broom Sweeper, 72" Tiller, Grapple Bucket, Dozer Blade, and Rock Grapple Buckets, 72" Angle Broom. Soil Mover 625RF

TRUCKS, TRAILERS & VEHICLES: 2010 Timptre Grain Trailer, 42x66, Air Ride, Ag Hopper, Electric Tarp, Alum. Wheels. 2006 Freightliner Columbia Day Cab, 460 Mercedes, Jake, Cruise, Super 10, 661K mi, Alum. Wheels. NEW 2021 Severe Gooseneck Flat Bed, 32FT, Tandem Duals w/Torque Tube, 22,500 GVW, Popup Ramps. 2006 Kawasaki Transmule, 2 Seats, 477 Hrs, 4x4. 1990 Wilson45ft Road Brute Flat Trailer, Aluminum w/2-2750gal tanks, pump & inductor. 2003 Volvo Day Cab, D-12 Motor, Recent

Rebuilt 10 Spd Trans, 740K Miles. 2009 Timptre Hopper Bottom Grain Trailer, Front and Rear Ladder, Tarp. 1995 Freightliner FLD 120, Cummins N14, 10SP, Day Cab, 730K Miles, 24.5 Alum/Steel. NEW 2020 Tiger Utility Car Trailer, 7,000lb Axle, 20FT, Beaver Tail, Ramps. NEW 2021 Tiger Utility Car Trailer 7000lb Axle, 20FT, Beaver Tail, Ramps. 1993 Wilson Grain Trailer w/Tarp. 1979 GMC 7000, Reman 427, 582, Tag Axle, 20ft Steel Box, Hoist, Tarp. 2015 Carry-All Enclosed 18ft TA Trailer. 2003 Chevy 4X4, 2500 HD, Crew Cab. 1991 Chevy Kodiak Fuel Truck, Cat Diesel, 2500 gal W/Pump. 1979 Ford F600 SA, 370 Gas, 4&2, Steel Grain Box w/Hoist. 1979 IHC S1900 Tandem Axle Grain Truck. 2003 Ford F250, 4X4 Std Cab, V-10 Gas, Auto. 1999 Dodge Ram Sport, 4X4, Hemi, Short Box. 1998 Ford F150 Extended Cab, 4X2. Featherlite 28ft Steel Gooseneck Stock Trailer. Kiefer 16ft Bumper Pull Stock Trailer. Tandem Axle Dozer Trailer w/Dolly Wheels. 2015 Tiger Car Trailer. 1996 Monte Carlo. 1979 Chev C70 Gas, w/14FT 3 Compartment Auger Box, NON RUNNER.

MISCELLANEOUS: Several Semi Loads of Hardsteel Building Materials. New 800 Gal TA Fuel Trailer w/ Brakes. JD 4320-4620 Flat Top Fenders. IHC Flat Top Fenders. Pickup Short Box w/Bumper & Tailgate off Ford F250. Alladin Hot Water Pressure Washer. Ag-Systems Applicator, Tool Bar, w/380 R46 tires. 8- NH3 Shanks & Coulters, for Tool Bar. 17- Liquid Coulters for Jet Liquid Fertilizer. 8-Like New closing disks, for NH3 Shanks. Pr 320 R46 Step up Rims w/Firestone 9000 Tires. Pr 9Bolt w/Spacers 320 R46 w/Firestone 9000 Tires. TeeJet 744A Sprayer Controller. HID Lights & Wiring for JD 8270R. 3-Precision Gauges 0-100 PSI, 4141GXB60. JD MX8 3Pt Shredder. May Wes Little Wesley Riding Sprayer. Lundell 3400 Snow Blower 3PT, 8'. 10-JD Single Disk Fertilizer Openers. Self Propelled Spot Sprayer. ONAN Model 12.5, JC Generator, Gas/LP. Westendorf WL40, 3Spoon Valve, Grapple w/4020Mts. Westendorf 12T Running Gear. Truck Utility Box w/Auto Crane. Rink 9', 3PT Rear Blade. Pr 23.1x26 tires on AC Combine Rims. Agri Power 24.5x32 tire. Pr 14Lx16.1, 4 Rib Tires. JD 953 Gear w/Metal Box & Hoist. 6T Running Gear. Coates Tire Machine. Misc Coulters. Pr JD 450 Rear Wts. PR JD Offset Cast Rear Wts. Pr PTO Cornhead Driveshafts. 2Pt Snow Blade. Curvetine Closing Wheels. Misc Pivot Tires & Rims. 500 Gal LP Tank. 250 Gal LP Tank. Misc Used Barn Tin. Calc-An-Acre. 44-Cast iron closing Wheels Fit JD 750 Drill. Frt Fuel Tank w/Lights. JD 30 Series. 300 Gal Steel Tank on Westendorf Gear. Misc JD Front Suitcase Weights. Homemade 8x18, TA Deck over Trailer. 17" Tires & Rims For Ford F150. 20" Tires & Rims For Jeep Liberty. Lozier Shelving. 160 Gallon Saddle Tanks. 2 Wheel SS Trailer. JD Front Wt Brkt. JD 3 5/8, 10Bolt Hubs. 10 Bolt 5" Hub Ext. 16x42 Rim. JD 110# Rear Wt. Pickup Flatbed. Jo Box. Misc Saddle Tanks.

LOU DALE SALES ESTATE: JD 9400 4X4. JD 9405 MFWD. JD 310 Loader/Backhoe. JD 630 Disk, 30". IHC 510 Drill. IHC 575 Manure Spreader. Gehl 1875 Round Baler. Oswald 320 Feed Wagon. JD 1600 Windrower. Questions, call Shannon: 712-369-0629

LEE VALLEY, INC.
402-374-2792 - www.leevalley.net
Partial Listing, expecting much more by sale time!
Hundreds of Pictures (Updated DAILY) Online
www.leevalley.net
Some items will be available on Equipment Facts. Check our website for details!

LAND AUCTION
80 ACRES MARION COUNTY LAND
TUESDAY, MARCH 2, 2021 — 10:00 AM
Sale held at the Marion County Lake Hall — MARION, KANSAS
LEGAL DESCRIPTION: The East one half of the Southeast quarter of Section 20, Township 19 South, Range 5 East (E/2 SE/4 20-19-5) Marion County, KS.
LAND LOCATION: From Jct. Hwy 56/77, 2 miles East of Marion (Roundabout), go 4 miles East on Hwy 150, then 1 mile North on Zebulon. (Jct. Zebulon and 210th)
LAND DESCRIPTION: 67.41 acres cultivated cropland having a combination of Labette-Dwight, Irwin silty clay Loam, and Lady-smith silt clay loam soils. The balance of the acreage (12.59 acres) is waterways, draw with trees and an old 1/2 acre farmstead site.
POSSESSION: Immediately at closing and upon full settlement. The land is all open spring ground that was in soybeans last year and is ready for spring planting.
AUCTIONEER'S NOTE: This farm is a good addition to your existing farming program or a great opportunity for land investment. The land is ready for planting and the grain markets are as robust as we have seen in years!! The small grove of trees in the draw at the Northwest corner is a hidden and secluded hunting spot where deer hang out. Having a good gravel road along the East side and being just 1 mile North of Hwy 15 the land has easy access. DON'T OVER-LOOK THE POSSIBILITIES THIS FARM OFFERS!!
SELLER: HOWARD L. & MARY E. COLLETT
Go to www.Lepke.com for complete listing, pictures & terms
LEPPKE REALTY & AUCTION
501 S. Main, Hillsboro, KS 67063 — 620-947-3995
LYLE LEPPKE, Auctioneer/Broker — 620-382-5204;
ROGER HIEBERT, Auctioneer/Sales Assoc. — 620-382-2963

