



Conference looks at Russian invasion of Ukraine impacts on ag

By Lucas Shivers

Nearly 600 participants took part in presentations of the Kansas State University's Risk and Profit Online Mini-Conference this spring to follow the unfolding saga of the ongoing Russian invasion of Ukraine.

"We want to share what's going on and potential agricultural ramifications," said Allen Featherstone, professor and department head of the K-State Department of Agricultural Economics.

Strong Data

With multiple sources of news, the conference focused on the evidence-based practices and data-informed approach to share background and agricultural context.

The invasion has upset global agricultural trade, as transportation and exports decrease or halt in the region.

"I woke up this morning to a national radio broadcast that talked about Ukraine wheat production and how Russia is stopping some exports," said Featherstone. "It's really important to understand the facts behind the world trade and production situations."

Russia's invasion of Ukraine threatens global inflation, transportation costs and the overall food supply as the two countries combine for nearly one-third of global wheat

and barley exports.

Countries like Lebanon, Egypt and Syria are among the countries most dependent on affordable wheat. Many European countries also depend on Ukraine for corn and other grain additives for animal feed.

Commodities are already tight because of droughts and other conditions in the wheat belts of the U.S.

"We're looking at and spending time in grounding in the facts to make decisions based on the facts," said Featherstone. "Decision-making is very difficult, and the more we can look at facts the better off we will be to take off fear and emotion."

Knowing the Region

With several maps of the region and comparison charts shared at the conference, Featherstone profiled details of the landscape.

"We're familiar with the map of Ukraine with some of the cities we've been hearing about," said Featherstone. "It's important as we move forward to know where major production occurs and look at the relative importance of both Russia and Ukraine for both crops and livestock sides."

As the situation continues to progress, Featherstone's predictions centered on the recent history and trajectory.

2020 Wheat Summary

Country	Russia	Ukraine
Production (tonnes)	85,896,326	24,912,350
% of Global Production	11.3%	3.3%
Exports (tonnes)	37,267,014	18,055,673
% of Global Exports	18.8%	9.1%
Exports as % of Production	43.4%	72.5%

Largest Impact of the Ukraine - Russia Federation Conflict will be in the Wheat Market
 Total Production - 14.6%
 Total Exports - 27.9%

Major Importers Affected (2020 Exports)
 Egypt - 11.3 million metric tonnes
 Turkey - 8.9 million metric tonnes
 Bangladesh - 3.5 million metric tonnes
 Indonesia - 2.7 million metric tonnes
 Pakistan - 2.4 million metric tonnes

Allen Featherstone led a Risk and Profit Mini-Conference looking at the effects on agriculture of Russia's invasion of Ukraine.

"We're seeing a lot of conflict around the Black Sea," said Featherstone. "It's the lifeblood of the export markets with sea-ports and essential spots. It's important to know the damage and that trade can go back to normal after the hostilities cease to know alternative ways the supply chain can be put back together."

U.S. Comparisons

Ukraine producers grow winter wheat with a

comparable process and timeframe as in Kansas.

Yet, there are countless unknowns making it challenging to know the path forward and the markets are in unprecedented instability.

The geography of southern Ukraine and the entire Black Sea region is important to agriculture. Russia is nearly twice the size of the US, but the population is 142 million compared to the 335 million in the U.S. There are 42 million people in the Ukraine with about 5% of the population becoming refugees.

"The big concern is the area of the wheat market," said Featherstone. "The Black Sea region has been

referred to as the place where the wheat prices are set and conflicts in that area can have certain aspects of impact. For example, the conflict and who controls the land gives an indication on where wheat will be affected."

Long Lasting Impacts

Agriculture is one-eighth of the Ukraine economy. The U.S. ranks first with arable land; Russia is third and Ukraine is eighth. Of this land, several crops are important, but wheat stands out as a forerunner.

"As supply chains are disrupted in regards to fuel and fertilizers, it'll affect wheat production," said Featherstone. "In

Russia, the total wheat production with winter wheat is around the Black Sea and Ukraine border. The spring wheat areas are farther west. The maps help give an indication on what's going on."

Featherstone summarized the logistic factors with ag products, fuel, fertilizers, transport and more with regards to the invasion and paths forward.

Additional presentations at the conference featured inflation trends and macroeconomic effects. More is available at: agmanager.info/2022-risk-and-profit-online-mini-conference-presentations

Senators Moran, Leahy, Brown introduce resolution honoring 20th anniversary of McGovern-Dole Food for Education and Child Nutrition Program

U.S. Senators Jerry Moran (R-Kan.), Patrick Leahy (D-Vt.) and Sherrod Brown (D-Ohio) - members of the Senate Hunger Caucus - have introduced a resolution expressing their commitment to build on 20 successful years of the George McGovern-Robert Dole Food for Education and Child Nutrition Program.

Since its establishment in 2002, the George McGovern-Robert Dole International Food for Education and Child Nutrition Program has provided nutritional resources, literacy and primary education for school-age children, particularly young girls. This program was named after Sen. George McGovern of South Dakota and Sen. Bob Dole of Kansas, who were advocates for providing nutritional and educational aid to children around the world. This program aims to improve food security for these children

through the donation of U.S. agricultural commodities.

"The McGovern-Dole Food for Education Program - or in Kansas, the Dole-McGovern Food for Education Program - is instrumental in providing one-of-a-kind nutritional resources and food to our most vulnerable," said Moran. "In my lifetime I believe we can end hunger, malnutrition and achieve food security across the world - and it starts with programs like Dole-McGovern. I am honored to follow in the footsteps of the late Senator Bob Dole in working to advance programs that provide food and education to our most vulnerable. It is encouraging to see this program's success over the years, and I look forward to working with my colleagues to advance this program as we continue the fight against hunger."

"The McGovern-Dole Program has done

life-changing work providing billions of school meals to children in need across the world," said Leahy. "Investing in food security and improving literacy around the world remains as critical today as it was in 2002. I was proud to be part of the effort to enact it, and I am proud to celebrate these past achievements and look forward to celebrating the work of the McGovern-Dole program for years to come."

"All children deserve access to nutritious foods. No child should go hungry," said Brown. "For 20 years, the George McGovern-Robert Dole Food for Education and Child Nutrition Program has made healthy meals and primary education accessible for students, especially girls, in developing countries worldwide. This bipartisan, bicameral resolution honors the program's positive impact and Senator McGovern and Senator Dole's leadership."

Drought expands across country

The record-setting length of U.S. drought continues to expand, with more than 40% of the country in drought, according to the U.S. Department of Agriculture meteorologist Brad Rippey. The current drought period has nearly reached a two-year mark at 93 consecutive weeks.

"The previous record in the Drought Monitor era, which goes back to 1999, was set during the historic drought of 2012-2013," Rippey said. "During that drought, our longest streak of 40% drought coverage was just 68 consecutive weeks, so we have gone far beyond that."

The July 5 drought map showed a lot of abnormal drought coverage showing up, which Rippey said has pushed the D0-D4 up to more than 70%. Still, there is "very little change in the U.S. drought coverage," with 49.4% of the nation in drought as of July 5, up 0.1% from May, he explained.

The U.S. cattle inventory in drought areas is still quite high, at 52%, but this is also down from March when 64% of the inventory was in drought areas. Meanwhile, the recent flash drought coverage has caused concern as it has put spring planted crops at risk. Corn in drought from late May to early July increased from 19% to 29%, and soybeans increased from 10% to 22%.

Mornings at the fair



Right on cue, temperatures soared to the triple digits last week for the Riley County Fair. Top: 4-H'ers took advantage of the cooler morning temperature to spend some extra time walking their cattle. Bottom: the wash racks were put to good use throughout the day as the young exhibitors worked to keep their pigs as cool and comfortable as possible.

Photos by Donna Sullivan



Surviving Summer

By Kim Baldwin,
McPherson County
farmer and rancher

It's ironic how I checked my weather app multiple times daily as we harvested wheat in June. We wanted to get the crop out of the fields before the summer storms rolled in, which always offers the potential of damaging hail or winds and could put harvest on hold while things would need to dry up.

Now that harvest is over, I check my weather app multiple times daily to see if there is a small chance of rain or lower temperatures in the July forecast.

No matter the number of times I tap on the weather app on my phone, no matter what ten-day forecast I look at, and no matter who the meteorologist is on the television, the triple digits have not budged, and I've accepted that we're in for an excessively hot, dry spell.

The crops currently growing on our farm are on a combination of dryland and irrigated acres. The sorghum, corn and soybeans growing on our

dryland acres will soon show how much they can truly tolerate drought. The crops on our irrigated acres will also show their heat tolerance.

While I am concerned for the crops that will not see a break in hot, dry temperatures as they attempt to grow, I'm incredibly concerned about the animals and the people.

While there will be many people who will seek refuge in air-conditioned environments, farmers and ranchers will continue to be out in the elements ensuring their livestock have plenty of water and the irrigation systems are maintained and continue to run. They will also be out in these elements when things go down and need fixed.

Early in my marriage I remember spending a couple of very long, hot days helping my husband and father-in-law repair an irrigation well in triple-digit heat. While we made sure to stay hydrated, the heat was oppressive. It had a toll on my body, and it took me a number of days to "get back to normal."

Aside from the con-

tinued work farmers and ranchers will be doing on their operations during this heat, youth fairs are right around the corner. As a kid, I always looked forward to taking my cattle to the summer fair.

It was fun to live in the barns for a few days with my friends during fair time. We'd sit and play cards on our show boxes while our cattle rested with misters and industrial fans pointed on them. There was always an endless supply of ice-cold drinks in cans and pouches stored in large coolers nearby. The random pop-up water fights in the wash racks in the evenings after the animals had been fed, watered and tied out for the night was also guaranteed.

While I hope the kids enjoy their fair experiences this year, I know they will be working extra hard to keep their livestock hydrated and cooled while they also spend their days in this heat.

During this heat spell, it is my hope that your loved ones, co-workers and employees are staying hydrated. Keep extra water on hand – including in your vehicles. Pace yourself and know when it's time to take a break and then take it. Monitor those who spend extra time outdoors and offer grace to those who come home at night exhausted from the heat while caring for the crops and livestock.

This season shall pass; but while we're living in it, keep track of others and yourself.

"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.



My husband says that life with me is like living in a perpetual episode of *Lucille Ball* – in particular the show where she and Ethel go to work on an assembly line in a chocolate factory. I hadn't seen the show in decades, so I decided to look that episode up online to see how badly I was being insulted and to what level my sense of offendedness should rise.

A quick recap for those of you who either haven't seen it or who, like me, bask in the fuzziness of middle-aged memory. Lucy and Ethel have taken jobs at a chocolate factory and not experienced a great deal of success in any of the departments in which they are placed. Wrapping chocolates on the assembly line is their final chance to prove they can make it in the confectionary world. "If one unwrapped chocolate makes it through to the boxing room, you're fired!" their supervisor thundered. Things start out pretty well and they begin to think they have the situation under control... that maybe, just maybe, this could work out. Then the line speeds up and before you know it they are stuffing choc-

olates in their mouths, down their shirts and eventually under their hats to keep them from making it through unwrapped.

While I chuckled as I watched it, it was only moments before a sense of righteous indignation began to creep in. How in the world was living with me in any way similar to the bumbling ineptness I had just witnessed on the screen? Why, I manage to successfully navigate my way through the majority of my life, don't I?

Then I went to Texas to visit my sister and her family and suddenly, it all became crystal clear, courtesy of a temperamental ice machine.

It looked innocent enough – in fact I had witnessed other family members use it quite successfully. So, glass in hand, I walked confidently up to it and proceeded to fill my cup with ice. Once it had reached the desired level, I pulled the cup out. Problem was, the ice didn't stop dispensing and started to fill the little grate below it.

"You have to pull it out," my brother-in-law called from across the room.

In the split second I had to process that statement, I thought he meant there was a sensor that required me getting the cup out of the way in order to signal it to stop spitting ice all over the floor. That wasn't what he meant. No, the solution was much less high-tech. I needed to pull the lever itself out, because it was stuck. By now we have ice cascading onto the floor while I stand there in a state of shocked panic. My brother-in-law ran over, pulled the lever out and the ice stopped shooting out of the front of the refrigerator. Whew... crisis averted.

Next step – water. I put my glass back under, pushed the button... and shot water all over the ice-covered floor. Turns out, I hadn't noticed the water came out more from the top of the machine than underneath like I expected and completely missed my cup. Ice dispenser – 2, Donna – 0.

I could tell by the look on his face as he came running (slipping, sliding... almost threw his back out) to the skating rink I had turned his kitchen into, that suddenly he was very concerned about the DNA his wife and I share. This is my newly found sister, so developments like these are much more of a shock for her and her family than the ones who have known me all or most of their lives.

For the remainder of the weekend I felt like the Queen of Sheba, waited on hand and foot whenever I looked the least bit thirsty, while the rest of the family boxed out the refrigerator like NBA superstars whenever I came near. Or maybe I'm more like Cleopatra – the Queen of Denial. Whatever, just don't call me Lucy... that is, unless you're planning to bring me chocolates.

New data shows ag's climate footprint is shrinking

New year-over-year data from USDA shows agriculture is playing its climate-smart part in multiple ways.

According to the USDA, 2020 farming activities in the U.S. made up 11.2 percent, or 670 of 5,981 million metric tons of the U.S.'s total carbon contribution. This data indicates a decrease in American agriculture's carbon footprint from 2019 to 2020, dropping from 699 to 670 million metric tons of carbon dioxide. The Department of Ag notes fertilizer application, manure management and animal food digestion are some of the sources in American agriculture's carbon contributions.



I am back in the saddle again. No, I am not riding horses yet, rather I am back in the tractor seat. It is absolutely amazing to me that less than twelve days from my second hip replacement and less than six weeks from the first one I am back to work. I can't do everything, but I can drive a tractor and that feels really good. I did not realize just how much I was hurting until now; this was the first time in several years that I could sit comfortably in the seat. I won't lie, I was stiff and sore when I finished for the night but even that was not as bad as before. It does highlight the fact that we all should probably take breaks where we get out and walk around every hour or two just to make sure we don't sit for too long.

I also want to take this time to make a statement, if you are suffering from chronic pain, do something about it. I am the first to acknowledge that it slips up on you, until now I did not realize just how much pain I was in. I get it, we all have too much going on and when you are in agriculture there is never a good time to be on the sidelines. Well, if you are in as much pain as I was, you are on the sidelines already and you might as well get it taken care of so you can start to recover.

I know I was as stubborn as anyone; I tried every alternative and at some point, you have to yell "uncle." This whole process has not been fun, and I would not wish it on anyone, but it was necessary, and I am better now for having gone through it. My advice, and it is worth exactly what you paid for it, is to go now to your doctor and tell them your concerns, get a diagnosis, and start down the path of recovery. In the long run that is what is best, and I don't know of a single ailment that waiting will make better. Believe me, I speak from experience.

It did feel really good to be back at work. One would think an extended rest would be nice, but after a little bit it gets old. There is only so many episodes of *Gunslinger* and the *Andy Griffith Show* you can watch. We had one last field of brome to bale, and I had saved it for last

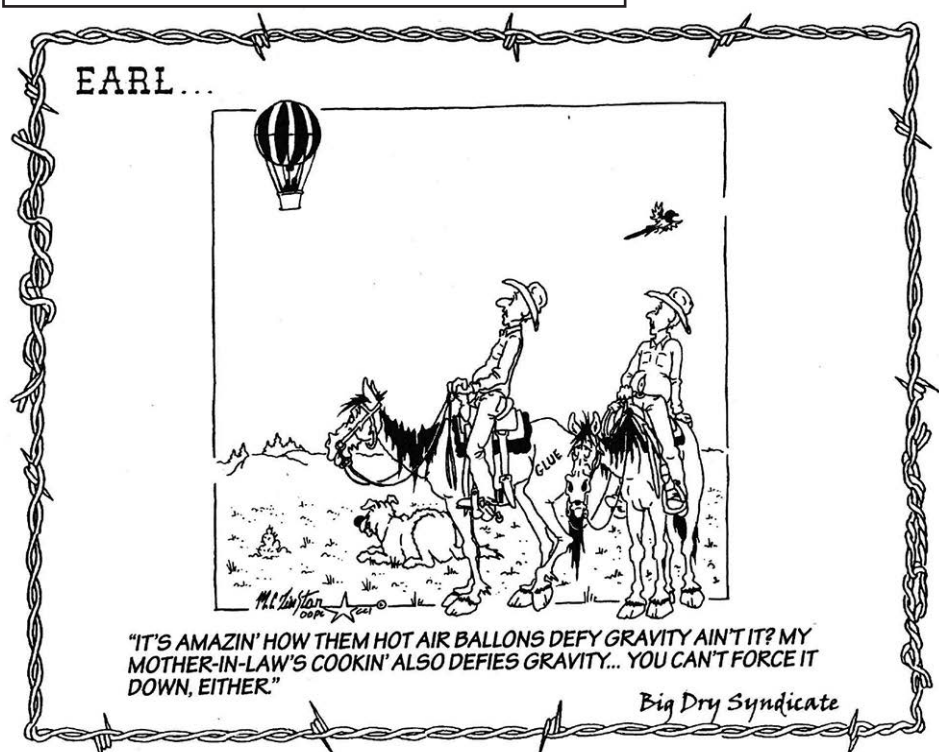
because it was go-back ground and only I knew where the ditches were. Okay, not even I knew, but I thought it would be better if I was the one who found them.

Fortunately, I did not find any, but I did find out that the air conditioning was out of the tractor on the baler. It was only one hundred degrees out, so it was no big deal. I opened the windows and forged on. Opening the windows in a newer tractor only gets you so far but it did keep the temperature down somewhere below an EZ Bake oven. It got so hot that even my phone quit on me.

I was undeterred because I was finally back at work. I didn't even growl when the net wrap ran out on the last bale. Yes, the roll of net wrap ran out on the last bale, and I had to change it to finish. Do you know what? I was happy because I could change the roll, which was something that would have been hard even two weeks ago. It wasn't easy now, but I could do it. That is nothing short of a miracle.

I am sure I will have some more hurdles to clear but the worst is behind me, and it is all worth it. I am not running any races and I don't ever intend to, but it is nice to be able to sleep at night and walk with less pain. I hope this will make me a little less grouchy, although the verdict is still out with my family. Quality of life is not a little thing and again I urge you if you have been putting up with chronic pain to think about that. Can you do the things you enjoy doing?

We all have aches and pains, especially if you are in agriculture. We do not treat our bodies especially well and the wear and tear add up. Modern medicine is incredible and making huge strides all the time. I know those of us in agriculture don't like to share our problems with anyone, not even our doctor. We will take care of it when it is convenient, I am here to tell you that time never comes. Get it done now, feel better and you can thank me later. Now pardon me, I have a tour to go on, one that requires walking.



Since 1954

GRASS & GRAIN

Published by AG PRESS

785-539-7558
Fax 785-539-2679

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

— Advertising Staff —
Josie Bulk
josie@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 — \$80 for 1 year. \$43 for 1 year, plus applicable sales tax. Outside Kansas, \$53 for 1 year, \$99 for 2 years.

MEMBER OF Associated Press

www.grassandgrain.com

Economic clouds gather as fears of higher rates and weakening conditions linger

Effects from the pandemic and Ukraine war continue to reverberate through the global economy. Food and energy prices remain high, though prices for underlying commodities have lost upward momentum as economic fears rise. The drop in commodity prices and recent bond yield inversions are sending up red flags about slowing economic activity and a potential oncoming recession.

The Federal Reserve is poised to raise rates until it believes inflation has been tamed. Unfortunately, the risk of over- or under-doing it is high, given that the lag time between action and reaction in monetary policy can be long. For now, the Federal Reserve has the data it needs to move forward with a 75 basis point rate increase in July, and will be poised for another 50 or 75 basis point hike in September.

After more than two years, Covid-related supply chain complications are finally easing and various metrics indicate improvements to supply chain performance both domestically and globally. However, those improvements have been modest and agricultural supply chains in particular remain broadly mired in dysfunction, according to a new quarterly report from CoBank's Knowledge Exchange.

"Warehouse and inventory costs are still rising at near-peak levels, and transportation costs are rising at a much higher rate than pre-pandemic," said Dan Kowalski, vice president of CoBank's Knowledge Exchange. "Grain rail car availability and prices were at multi-year lows and highs, respectively, in the second quarter. Although as consumer purchases of goods continues to soften, supply chains will slowly recover."

While agricultural and energy commodity supplies remain tight, shifts in speculative sentiment have brought prices down from their peaks. For agriculture, replenishing grain and oilseed supplies globally will require two growing seasons. And there is no relief in sight for natural gas supplies, ensuring power prices will remain high as well.

Grains, Farm Supply and Biofuels

Grain prices remained volatile in Q2 as markets continually reassessed a range of factors including the war in Ukraine, a smaller Brazilian soybean crop and ongoing dry conditions in the U.S. Wheat prices fell below \$9.00/bushel as investors reduced their commodity exposure amid a rapidly cooling global economy. Grain and oilseed prices should experience upside pressure in the near term, due in part to tight global

supplies of wheat and soybeans in particular.

Ag retailers navigated a challenging spring agronomy season marked by input cost inflation, planting delays and producer cost-cutting efforts. Fertilizer prices began to ease in June but are likely to remain elevated compared to long-term averages. Mid-year crop ratings are better than a year ago but warm and dry conditions across the Corn Belt may limit yields. Farm supply co-ops will face additional risks going into the fall agronomy season. Asian-made crop protection chemicals continue to be in short supply and interest rate hikes will make borrowing more costly.

The U.S. ethanol complex delivered a strong Q2 with few signs of demand destruction despite a spike in retail gasoline prices and rising inflation. Operating margins remained favorable at \$0.33/gallon, well above the five-year average of \$0.22/gallon. Ethanol exports hit a four-year high of 185 million gallons in April, resulting in year-to-date growth of 67% through the first four months of 2022.

Animal Protein and Dairy

Inflation is now the key risk to meat and poultry consumption, as the impact of COVID-19 on consumer food spending is diminishing. Retail meat and poultry prices were 18% higher in May compared to 2021 and both spot market supplies and freezer inventories are below pre-pandemic lev-

els. The combination of tight supplies and steady demand kept meat prices 20% higher than the five-year average for the March-May period.

Beef cow culling remains elevated as cattle ranchers and feeders grapple with poor pasture conditions and higher corn and hay prices. Declining cattle supplies are expected to converge with excess processing capacity over the next 12-18 months, which should contribute to more favorable conditions for producers.

After several years of successful growth, U.S. pork exports are contracting in 2022 driven primarily by a reduction of exports to China. The volume of U.S. pork exports to China has fallen from over 160 million pounds per month in 2021 to about 40 million pounds per month in 2022.

Milk collections in the U.S. remained tight last quarter with record high milk prices prompting only a minimal expansion in the dairy herd. Despite tight supplies, milk continued to flow to cheese vats last quarter with cheese manufacturers building inventories to record levels. Conversely, U.S. butter inventories remain tight. High prices and strong demand for U.S. milkfat from both domestic and international sources pulled butter out of storage.

Cotton, Rice and Specialty Crops

Fears that the rapidly decelerating global economy will stifle cotton demand has led Decem-

ber 2022 cotton futures to plummet 35% from their mid-May highs. However, CoBank economists believe the fears of plunging cotton demand may be overblown. Through April 2022, retail clothing store sales jumped 15% from a year ago, far outpacing the 5.8% increase in clothing prices over the same period. Additionally, the share of cotton fiber used in apparel has rebounded after more than a decade of decline.

U.S. rice prices marked a new record high in Q1 2022, up 43% year-over-year, with the momentum carrying over into Q2. April rice imports were the second highest on record for the month, with combined imports year-to-date more than double the average pace over the past decade. With U.S. all-rice acreage falling once again per the June Acreage Report and USDA projecting higher rice production globally in 2022, another year of strong rice imports is ahead.

U.S. tree nut exports spiked in Q2 as port congestion eased and shipping container rates fell. Almond, walnut and pistachio exports charted a record high for the month of April and the momentum carried into May, according to position reports.

Record high produce prices following three years of drought in the Western U.S. has hastened the pace of fruit and vegetable imports. With retail prices of fruit and vegetables rising while growers struggle to maintain production, imports are likely to fill the gap in the months ahead.

Power, Water and Communications

Steeplly rising natural gas and coal prices could triple the price of wholesale electricity this summer, driving up electricity bills for consumers. While most consumers have already seen an increase in their monthly utility statements, an additional bump appears to be coming and the price of electricity

is unlikely to drop anytime soon. Even as fuel prices begin to moderate, the need to upgrade and strengthen the grid against natural disasters will likely keep residential costs higher for longer. Unfortunately, high energy costs have a cascading effect, feeding inflation and hampering economic growth.

Investor interest in the data center market is showing no signs of slowing down as investors continue to pour money into the cloud. DigitalBridge, a global-scale digital infrastructure investor, announced plans to acquire Switch for \$11 billion, marking the fourth major data center acquisition in the last year. Most enterprises are adopting a hybrid cloud approach, leveraging a combination of on-premise, colocation and cloud data management systems. Capacity constraints and inflationary costs are increasing the demand for third-party data center services.

If your business would like to have a booth or sponsorship presence at the

SECOND ANNUAL GRASS & GRAIN FARM AND RANCH SHOW

Nov. 8, 9, 10 at the National Guard Armory



Call Josie at:
785-539-7558

or email: josie@agpress.com



Or Donna at:
785-539-7558

or email: gandgeditor@agpress.com

REGISTRATION IS STILL OPEN FOR THE

Central Kansas Soil Health Bus Tour
August 1-2 Salina

5 TOUR STOPS PER DAY

WILL BE TAKING A DELUXE MOTORCOACH (AIR CONDITIONED, RESTROOM, WIFI)

Enjoy in-field stops learning about perennial grains, cover crops, crop rotations, compost extracts, managed grazing and more!

Additional stops will provide education on soil health testing and no-till seeding equipment.

— AUGUST 1 TOURS: 8:30-5:15 —

Saline County Forage Systems Demonstration Plot; The Land Institute; Bret Keeler Farm; Kelly & Chris Novak Farm; Tiffany Cattle Company

Bonus dinner and drinks Monday evening for only \$15.

— AUGUST 2 TOURS: 8:00-5:00 —

Ryan Speer Farm; CJ & Russell Blew Farm; Kauffmann Seeds & Lance Gunderson of Regen Ag Lab; Austin Schweitzer Farm; Exapta Solutions

— Attendees can sign up for one or both days —

\$25 per tour day, \$15 for dinner, bundle all three for \$55!

Departing and returning each day from Hilton Garden Inn, Salina, KS

Find our Press Release for more information about what you'll see at the stops; Learn more and register at: <https://kssoilhealth.org/event/central-kansas-soil-health-bus-tour/>



KANSAS AG REPORT

Ken Rahjes, Host

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

Never miss an issue of

GRASS & GRAIN

Subscribe or renew today!

New Subscription _____ Renewal _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Email: _____

Activate Online Edition? _____

****Online Edition is FREE with purchase of Print Subscription; Email is required.****

In-State Print Edition Rates:

1 Year; \$43 + additional sales tax _____

2 Years; \$80 + additional sales tax _____

3 Years; \$111 + 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; \$53 _____ 2 Years; \$99 _____ 3 Years; \$138 _____

****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 *****

Linda Poell, Manhattan, Wins This Week's Grass & Grain Recipe Contest & Prize

Winner Linda Poell, Manhattan: "The following is a recipe that I found that works beautifully for my gluten-free grandchildren as well as those that can have gluten. The recipe can be modified to make a variety of types of cookies depending upon the base fruit and which add-ins you want to add."

LOW-SUGAR BREAKFAST COOKIES

1/2 cup rolled oats
 1/2 cup brown rice flour (all-purpose flour if gluten-free is not needed)
 1/2 teaspoon baking soda
 1 tablespoon sugar
 1/4 teaspoon salt
 1/2 teaspoon cinnamon
 1/8 teaspoon nutmeg
 1/8 teaspoon allspice (spices can be adjusted to your liking)
 1/4 cup applesauce
 1/4 cup pumpkin purée (or mashed banana)
 2 tablespoons oil
 2 tablespoons milk (dairy-free if necessary)
 1 teaspoon vanilla
 Add up to 1/2 cup total of whatever add-ins you would like: coconut, raisins, chocolate chips, nuts, chopped dried fruit, etc.
 Preheat oven to 350 degrees. Mix all together and drop on parchment paper. I usually smooth out each cookie into about a silver dollar size, but you can make about 8 regular-sized cookies. Bake until golden brown for 12-15 minutes depending on your oven.

 Rose Edwards, Stillwater, Oklahoma:
FRUIT SLAW
 20-ounce can pineapple tidbits, undrained
 8 ounce package cream cheese
 1/2 teaspoon cinnamon
 8 cups shredded cabbage
 1 red apple, chopped
 1 green apple, chopped
 1 cup seedless red grapes, halved
 Drain pineapple reserving 2 tablespoons juice. Stir cream cheese, reserved juice and cinnamon in a large bowl until well-blended. Add remaining ingredients and toss lightly. Chill before serving.

 Jackie Doud, Topeka:
TACO CASSEROLE
 1 pound ground beef
 1 onion, chopped
 1 package taco seasoning
 1 can tomato sauce
 1 can cream of chicken soup
 1 cup sour cream
 4-ounce jar chopped green chiles, drained
 (2) 10-inch flour tortillas
 2 cup shredded Cheddar cheese
 Brown beef and onion. Stir in taco seasoning and tomato sauce; set aside. In a bowl mix soup, sour cream and chiles. Place one tortilla on the bottom of a 10-inch pie plate. Combine beef mixture with half of soup mixture and spoon over tortilla. Sprinkle with 1 cup cheese. Top with second tortilla. Top with remaining soup mixture and sprinkle with remaining cheese. Bake at 350 degrees for about 30 minutes or until heated through. Let stand a few minutes before serving.

Kellee George, Shawnee:
CHICKEN TETRAZZINI
 1/2 cup butter
 1 can cream mushroom soup
 1 can cream of chicken soup
 1 jar sliced mushrooms, drained
 2 tablespoons chopped pimento
 2 cups cubed & cooked chicken
 4 ounces cooked & drained spaghetti
 1 cup sour cream
 Grated Parmesan cheese
 Melt butter in a saucepan. Add soups and mushrooms. Stir until well-blended. Remove from heat and add pimento, chicken, spaghetti and sour cream. Pour into 9-by-13-inch baking pan. Bake uncovered at 350 degrees for 30-35 minutes. Sprinkle with Parmesan cheese at serving time.

 Millie Conger, Tecumseh:
ORANGE CHICKEN
 5 pounds chicken thighs, skinned
 Sauce:
 2 teaspoons salt
 1/4 teaspoon pepper
 1 cup frozen orange juice concentrate, thawed
 1/3 cup butter, melted
 2 teaspoons ground ginger
 4 teaspoons soy sauce
 Grease (2) 11-by-7-inch baking pans well with oil. Place chicken in a single layer in the pans. Combine sauce ingredients and baste thighs well. Cover and refrigerate overnight. Bake uncovered at 350 degrees for 60 minutes, basting with sauce once during baking.

 Kimberly Edwards, Stillwater, Oklahoma:
APPLE SALAD
 8 ounces cream cheese
 1/4 cup half & half
 1/4 teaspoon cinnamon
 5 cups coarsely chopped apples
 1/2 cup chopped pecans
 1/2 cup raisins
 In a large bowl mix together cream cheese, half & half and cinnamon; blend well. Stir in apples, pecans and raisins. Refrigerate.

The Importance Of Family Mealtime
 We all know that time spent together as a family is important — and also that sharing regular meals is particularly beneficial. But just how valuable is it that you all gather around one table and eat together? Because life is busy — and between your work, after-school kid activities, picky eaters, and the stress of putting together a real meal — being a short-order cook and eating over the kitchen sink actually might sound semi-appealing. Let's take a break from focusing on all the things that could keep us from making time for family meals.
 Eating meals together as a family helps kids in many ways:
 • Families have been shown to make better food choices when food is eaten together.
 • Kids are more likely to try new foods.
 • Allows time for parents to bond with their kids.
 Tips for Planning Family Meals:
 • Keep it simple: The food you eat doesn't have to be special or fancy. Start with the food you normally eat, sit at the table, and enjoy the meal together.
 • Get the kids involved: Include your kids in getting the meal ready to eat. They can pick out a vegetable, help with the cooking, or set the table.
 • Avoid interruptions: Put your phone away, turn off the TV, and set aside games and toys. Enjoy the company of your family.
 • Take your time: Don't rush! Allow at least 20 minutes for kids to have plenty of time to finish eating.
 Mealtimes should be a time for families to relax. Keep the conversation upbeat and happy. Don't battle over foods not eaten. Save serious conversations for another time. When family meals are pleasant, kids do their best job of eating well and enjoying family mealtime!

Visit www.usda.gov for more information on this topic or contact, Katherine Pinto, EFNEP and SNAP-Ed Agent, kd Pinto@ksu.edu or 620-232-1930.



Baking With Sugarbuns

By Michele Carlyon
 Tractor Pulls, Sleepovers & Ice Cream

Growing up, my mom and dad did not force us into 4-H, but I can remember spending hours upon hours at the fairgrounds, checking out what other people had entered and spending time with friends. I can also remember entering my cat's carrier into the fair. He was brown, cross-eyed and bowlegged, and I used a ton of aluminum foil to make his pet taxi look like a giant Hershey Kiss. I also distinctly remember entering my homemade angel food cake into the open to the public category and being completely confused when they asked me if it was homemade. I spiraled into panic worrying the cake flour, sugar, etc. were not homemade and thinking I was completely wrong to have entered it in the fair as homemade. Blame it on being young and dumb, but after that, I just became a bystander who enjoyed other people's fair projects.
 Fast forward however many years it has been, and my nieces are getting closer to the age where 4-H could be something they decide to be involved in, especially since they are both so excited to enter things into the open category already. These two little girls love to win, and they are hoping to do just that.

This past weekend, I made plans to spend the night in Junction City with the girls. I called my mom earlier in the week to see what we were having for Sunday night family dinner, and she told me we were not having dinner because the girls were doing the tractor pull Sunday night at seven o'clock. I put in my vote for going out for Mexican and planned to sweat it all out while watching the girls pedal as hard as they could.

Once I got to town on Sunday, I made a trip with my mom and Mike to Abilene before returning to spend the rest of the afternoon with the girls. Chloe was being extra sweet to me and asked me if I could spend the night with her and Mika. I did my usual and told her I was "very busy." She gave her usual big sigh and told me that I am never actually busy and that I should stay. She asked her mom for permission for the sleepover and was excited to get her yes for an answer.

We spent the afternoon playing games and enjoying each other's company before loading into the car and going for Mexican food. I was lucky enough to be between both girls at dinner and decided I would make them a deal. I told them that if they won the tractor pull, I would buy them ice cream. Challenge accepted!
 We left dinner and headed towards the fairgrounds. Marissa got the girls entered and both girls were excited to see they had multiple friends there that would be competing as well. Chloe was pulling with the four-year-olds and Mika was pulling for the five-year-olds. Chloe had a full pull her first try and ended up tying, so they had a pull-off. She took first place. Mika took first place for the five-year-olds.
 They were excited and eager to tell anyone who would listen that we were going for ice cream. After the tractor pull ended, we loaded back into the car and went to Baskin-Robbins where the girls got to pick what they wanted before heading home to get ready for bed. I gave both girls a bath, tucked them in and told them to go to sleep and that I would be back after I showered. Once I got out of the shower, giggles could be heard from the other side of the house; those two girls were not even close to being asleep. Eventually I got them calmed down and to go to sleep with the promise of us all walking their new puppy the next morning.
 Morning rolls around, we get up, get dressed and take the puppy, Bo, and Lucy for a quick walk before me having to head out for work for the day. It is quite possible that I had more fun than they did, and I am always thankful for the quality time that I get to spend with them. They are growing up much too fast and with school quickly approaching, I never want to miss a thing for them.
 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

before loading into the car and going for Mexican food. I was lucky enough to be between both girls at dinner and decided I would make them a deal. I told them that if they won the tractor pull, I would buy them ice cream. Challenge accepted!

We left dinner and headed towards the fairgrounds. Marissa got the girls entered and both girls were excited to see they had multiple friends there that would be competing as well. Chloe was pulling with the four-year-olds and Mika was pulling for the five-year-olds. Chloe had a full pull her first try and ended up tying, so they had a pull-off. She took first place. Mika took first place for the five-year-olds.

They were excited and eager to tell anyone who would listen that we were going for ice cream. After the tractor pull ended, we loaded back into the car and went to Baskin-Robbins where the girls got to pick what they wanted before heading home to get ready for bed. I gave both girls a bath, tucked them in and told them to go to sleep and that I would be back after I showered. Once I got out of the shower, giggles could be heard from the other side of the house; those two girls were not even close to being asleep. Eventually I got them calmed down and to go to sleep with the promise of us all walking their new puppy the next morning.
 Morning rolls around, we get up, get dressed and take the puppy, Bo, and Lucy for a quick walk before me having to head out for work for the day. It is quite possible that I had more fun than they did, and I am always thankful for the quality time that I get to spend with them. They are growing up much too fast and with school quickly approaching, I never want to miss a thing for them.

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!

Prize for AUGUST 2022

"Our Daily Bread" Recipe Contest Prize

Scrub EAZE Multi-Purpose Scrubber

Use warm soapy water and this scrubber to easily clean all of your pots and pans including cast iron and chrome surfaces! It's the ultimate multi-purpose scrubber!

From Elsie Grace's * Frankfort, KS Elsiegraces1.com

Send Your Recipes Today!

Prize for JULY 2022

"Our Daily Bread" Recipe Contest Prize

Handmade Note Cards

Set of 5 note cards measuring approximately 5 1/2-by-4 1/4 inches. Handmade by crafter Mary Daniel of rural Topeka. Each unique card has a rural design on front and is blank inside. 5 envelopes are included.

These one-of-a-kind cards are a very special way to share your sentiments with friends and family.

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@agress.com

HYDRABED
 BY TRIPLE C, INC.

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

BEDS IN STOCK
INSTALLATION AVAILABLE

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

COPIES OF GRASS & GRAIN

Now In TOPEKA and CLAY CENTER

Brickhouse Antiques; - TOPEKA, KS
 - 3711 SW Burlingame Rd. (just off 1-470) -

The Feed Shed
 Clay Center, KS
 - 318 Lincoln Ave. -

The Store;
 Leonardville, KS
 - 104 E Barton Rd. -

Dara's Fast Lane;
 Manhattan, KS
 - 5321 Tuttle Creek Blvd. -
 - 8811 US-24 -
 - 1132 Pillsbury Dr. -

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 offices:
 - 1531 Yuma St., Manhattan, KS -

Office Hours: Mon.-Fri., 8:30 am-4 pm

Life doesn't stop for an injury.

AVOID SURGERY!
Use Your Body's OWN Stem Cells.

- Knee arthritis
- Partially torn rotator cuff
- Degenerative disc disease
- Chronic Pain
- And more...

ARE YOU A GOOD CANDIDATE? CALL US TODAY! 785.320.4700

Schedule a FREE Consultation
 or Visit KansasRMC.com to learn more.

Kansas Regenerative
 MEDICINE CENTER
 Manhattan • Kansas City

Andrew Pope, M.D. Steve Peloquin, M.D.

Be On The Lookout For Weather-Related Scams

Cleanup, Repair Offers May Be Too Good To Be True

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

MANHATTAN – Someone knocks on your home's door and offers a service at a reduced price, simply "because they are in the area."

Or, a builder comes by offering their service at a lower cost, because "they have materials left over from a previous job."

Elizabeth Kiss says you should take pause.

These, she says, could be scams. And they're especially prevalent in areas where severe weather has caused damage to property and buildings – something that is a regular occurrence in Kansas.

"It's important to be on the lookout for cleanup and repair scams," said Kiss, a family resource specialist with K-State Research and Extension. "Another type of scam is called an 'imposter scam,' in which the scammer pretends to be someone you trust – a government official, safety inspector or utility worker – and tries to convince you to send them money or give personal information."

The U.S. Federal Trade Commission has published a list of caution signs related to home improvement scams. In addition to offers of reduced prices, some of the common tactics include:

- * Pressuring you to make an immediate decision.
- * Asking you to pay for everything up front, or accepting only cash.
- * Asking you to get required building permits.
- * Suggesting you borrow money from a lender they know.

Kiss urges consumers to take their time before making decisions on home repairs or improvements. When approached by a service provider, check the company's background, and get more than one estimate.

"Never pay in cash," Kiss said. "Pay a portion up front and the balance when the job is completed to your satisfaction."

If you think you see a scam, she adds, "speak with someone. Report it to the local authorities and to the FTC," which can be done online at <https://reportfraud.ftc.gov>.

Kiss said the FTC also publishes information on how to prepare for weather emergencies and how to stay alert to disaster-related scams, which is available online.

She adds that homeowners should also do an annual review of their insurance policy.

It seems like in Kansas, there is a potentially damaging storm in the state many days of the week," Kiss said. "If it has been awhile since you reviewed your homeowners' insurance, now is a good time to do that. Inspect and prepare your home for severe weather. Make a plan for your family and pets and get financially prepared now."

Kiss recommends a K-State Research and Extension publication to learn more about protecting your family's finances, *Get Financially Prepared: Take Steps Ahead of Disaster*. The publication is also available in Spanish.

Links used in this story: *How to Avoid a Home Improvement Scam* (Federal Trade Commission), <https://consumer.ftc.gov/articles/how-avoid-home-improvement-scam>

Dealing with Weather Emergencies (Federal Trade Commission), <https://consumer.ftc.gov/features/dealing-weather-emergencies>

Get Financially Prepared: Take Steps Ahead of Disaster (Spanish), <https://bookstore.ksre.ksu.edu/pubs/MF3055.pdf>

Get Financially Prepared: Take Steps Ahead of Disaster (Spanish), <https://bookstore.ksre.ksu.edu/pubs/MF3055.pdf>

She adds that homeowners should also do an annual review of their insurance policy.

It seems like in Kansas, there is a potentially damaging storm in the state many days of the week," Kiss said. "If it has been awhile since you reviewed your homeowners' insurance, now is a good time to do that. Inspect and prepare your home for severe weather. Make a plan for your family and pets and get financially prepared now."

Kiss recommends a K-State Research and Extension publication to learn more about protecting your family's finances, *Get Financially Prepared: Take Steps Ahead of Disaster*. The publication is also available in Spanish.

Links used in this story: *How to Avoid a Home Improvement Scam* (Federal Trade Commission), <https://consumer.ftc.gov/articles/how-avoid-home-improvement-scam>

Dealing with Weather Emergencies (Federal Trade Commission), <https://consumer.ftc.gov/features/dealing-weather-emergencies>

Get Financially Prepared: Take Steps Ahead of Disaster (Spanish), <https://bookstore.ksre.ksu.edu/pubs/MF3055.pdf>

Get Financially Prepared: Take Steps Ahead of Disaster (Spanish), <https://bookstore.ksre.ksu.edu/pubs/MF3055.pdf>

She adds that homeowners should also do an annual review of their insurance policy.

Tips For Freezing And Drying Strawberries

By Cindy Williams, District Agent, Foods, Nutrition, Health & Safety, Meadowlark Extension District

Strawberries are a popular fruit and easy to preserve by drying, freezing, or making jam. Choose fully ripe, firm berries with deep red color to preserve. Preserving will not improve the quality of any food.

Drying Strawberries Without Added Sugar



Dried strawberries are a fun snack or addition to baked goods, smoothies, granola, salads and yogurt.

Directions: Wash hands and kitchen surfaces. Rinse strawberries under running water, remove caps and drain well. Cut strawberries into 1/2-inch slices or in half lengthwise. Small berries can be dried whole.

Place strawberries cut side up on dehydrator trays. Set the dehydrator

temperature between 130–140 degrees F. For berries with 2 cut sides, turn berries halfway through the drying process, so they won't stick to drying tray. Drying time varies, depending on size of pieces. Be sure to check after seven hours. For thick pieces, drying can take up to 36 hours. Cool fruit for 30 minutes.

Dried strawberries should be pliable and leathery with no moisture. Store in an airtight container or freeze for longer storage.

Freezing Strawberries Without Added Sugar



Frozen strawberries without added sugar can be used when you only want to take out a few strawberries at a time, as for smoothies. These strawberries will turn mushy if completely thawed, so they are best used cold. This method also works well to keep

berries to make jam later.

Directions: Wash hands and kitchen surfaces. Rinse strawberries under running water, remove caps and drain. Spread a single layer of berries on a baking sheet and freeze until solid (approx. one to two hours). Transfer berries to freezer bags. Press out as much air as possible.

Label all preserved items with product name and date. For more ways to preserve strawberries, visit the National Center for Home Food Preservation or Cooperative Extension websites.

See <https://www.ncrfsma.org/north-central-region-foodsafety-for-food-preservation-information-from-the-north-central-region>

More information: <https://extension.umn.edu/preserving-and-preparing/drying-strawberries>
<https://extension.psu.edu/drying-strawberries>
<https://blogs.extension.iastate.edu/answerline/2019/05/13/freezing-strawberries/>
<https://extension.psu.edu/freezing-strawberries>



By Ashleigh Krispense

We're deep in the heart of summer and although the days are already getting shorter, they continue to be toasty and warm. With wheat harvest securely under our belt, we're looking towards the fields of tall, spiky corn that's gradually maturing and preparing to be picked in the next month or two.

Even though we're not in a season of harvest, meals are oftentimes packed in the kitchen and hauled out to the farm or wherever the guys might be working that morning. I've shared recipes and tips from the *Meals to the Fields* cookbook several times now, and I'd like to continue that with some nuggets from their *Tips from Veteran Lunch Packers* section of the cookbook (please note: although widely enjoyed, this cookbook is no longer being printed).

"I send Brent's lunch in a 20-ounce lunch crock food warmer. It is exactly what is says - a food warmer. It has one heat setting and once your lunch reaches that temp, it keeps it at that temp until you're ready for lunch ... instead of cooking it till it's hard and dried out. It's small enough to fit in his lunch box with everything else but big enough to hold a generous helping of leftovers. It has two lids with the top one screwing on, so it greatly eliminates the chance of the lid falling off and your lunch spilling or leaking over the sides. I have even packed hamburger dip in it. As long as you have

an inverter in the vehicle, you can just plug it in an hour or two before you are ready to eat." Jenny Koehn, Plains View, KS

"Oreos work better than a lot of cookies because they're harder and don't smash when my husband is riding. Crackers and chips don't work so well. I like to send pretzels, mixed nuts, baby carrots, etc. They hold up a little better. My husband likes sandwiches made out of real meat better than sandwich meat ... baked chicken with BBQ sauce sandwiches, etc. Put the mayonnaise/mustard on the lettuce or cheese instead of on the bread so it doesn't get soggy. Pat sandwich meat down with a paper towel so it's not wet. Send a small jar of canned peaches/pears. That can double as a side and dessert." Asena Nikkel, Burns, OR

"We eat tons of cold sandwiches in the summer for lunches. We do them so many different ways though that we hardly get tired of them! Wraps ... sandwiches made with croissants are really good ... put peperoncini, bacon, avocado, etc. in them. Costco has good sandwich meats. Always do something to make your sandwich different; then they don't get so old! Reuben sandwiches are good for a change." Trena Regehr, Filer, ID

"If I want something to stay fridge-cold in the lunch box ... like Ranch dressing ... I put it right on the ice pack and then put a small towel or rag on top. That keeps it insulated." Abby Penner, Paxton, NE

"When I send milk in a packed lunch, I try to use whole milk and add an ice cube to the thermos. Since milk is mostly water, it keeps the milk icy cold and doesn't water it down too much. One of the boys told me that his lunchbox warmed up by noon even if I put ice packs in. So on hot days, I started putting containers of ice in the insulated lunch pails until they're cold. Then when I am ready to pack the lunches, I take the ice out ... put in regular ice packs and food that has been in the refrigerator as long as possible. The lunches have been staying cold even in hot weather!" Shirlee Litwiller, Lancaster, PA

"A 'Stanley' thermos works great to keep burritos warm. Fill up the thermos with hot water first. Bake your burrito in the oven; empty the water in your thermos and put the hot burrito in." Sami Kohen, Basin, WY

Hopefully you enjoyed reading through these tips and found something to mix up your next season of packed lunches!

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.

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.

AG LIME GYPSUM

Standard or Variable Rate Application

GEARY GRAIN, INC.

Junction City, Kansas
785-238-4177
gearygrain.com

GET IT WHILE IT LASTS!

Don't miss out on Volume 7 of the *Grass & Grain "Our Daily Bread" cookbook - Volume 8 is coming soon!!*



Picking up where we left off, 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. 1-6 sold out

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

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

A Complete Cattle Feeding & Marketing Service

TIFFANY CATTLE COMPANY, INC.

Family Owned & Operated

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

Production Services

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

Marketing Services

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

★ www.tiffanycattle.com ★
 Follow us on at Tiffany Cattle Company

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

A \$10 AD can sell a \$10,000 ITEM!

2004 WILSON STOCK trailer, 20', aluminum floor, rollup back door, well maintained. \$10,000.
 785-539-XXXX

14-word classified ad, \$9.80 per week.
 Discounts available on prepaid multi-week ads.

GRASS & GRAIN Classifieds

Effective. Inexpensive.

785-539-7558 • grassandgrain.com

International Trade Commission rejects fertilizer duties in win for farmers

The U.S. International Trade Commission has ruled against imposing tariffs on nitrogen fertilizers imported from Russia and Trinidad and Tobago.

"This comes as a welcome relief," said National Corn Growers Association president Chris Edgington. "We have been sounding the alarms and telling the ITC commissioners that tariffs will drive up input prices to even more unaffordable levels for farmers and cripple our supply. I am so glad they listened."

The decision comes after CF Industries filed a petition with ITC in late 2021, requesting that the commission place tariffs on urea ammonium nitrate, which is used in liquid fertilizers. Shortages and prices have since in-

creased exponentially.

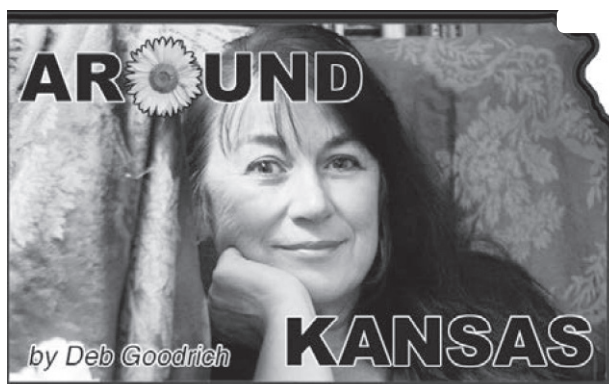
NCGA has come out strongly against the tariffs. It was the only commodities group that testified at ITC's public hearing, and it forcefully raised the issue in the press. NCGA also engaged in an aggressive advocacy campaign with elected officials.

The American Soybean Association also applauds the announcement. Few inputs have exhibited more price inflation than UAN, which has experienced a jarringly high price increase due in large part to the Russia-Ukraine conflict, the organization stated. These two countries are important crop and energy producers, as well as producers of fertilizers and fertilizer input products — including nat-

ural gas for UAN. Last month, ASA and other ag groups asked ITC to take into consideration that price pressure experienced by commodity farmers has cascading effects that reverberate through the farm economy.

"ASA has expressed concerns with fertilizer prices and availability for over a year," said Brad Doyle, president of the American Soybean Association and Arkansas soybean grower. "Today's ruling by the ITC against the imposition of final duties on imports of UAN from Trinidad and Tobago and Russia will provide much-needed relief from tariffs for U.S. soybean growers and farmers across the country. We thank the ITC for considering the impact on farmers in their determination, and ASA will continue to advocate for the removal of tariffs."

ITC's decision takes effect immediately.



Dodge City is celebrating 150 years of wild history and I am so pleased to be on the roster of speakers for the Western Cattle Trail Association's "Wrangle" on August 6.

The day kicks off at 10:00 a.m. at the Ford County Legacy Center, 310 Gunsmoke, with Michael Grauer's speaking on Molly Goodnight and her journey to Dodge City. Michael is the McCasland Chair of Cowboy Culture/Curator of Cowboy Collections and Western Art at the National Cowboy and Western Heritage Museum

Legislation aimed to support small cattle farmers and ranchers

U.S. House Agriculture Committee chairman David Scott (D-GA) announced he intends to introduce legislation aimed at helping smaller beef farmers and ranchers.

Scott said help for those smaller producers

in Oklahoma City.

I will speak at 11 about Fort Dodge, a post whose story is inextricably linked to that of Fort Wallace.

At 2 p.m., the conference moves to the Mariah Gallery of the Boot Hill Museum when Deborah Liles will discuss women involved in the antebellum Texas livestock industry. Dr. Liles is the W.K. Gordon Chair of Texas History and an Associate Professor at Tarleton State University.

At 4 p.m., Donna Howell-Sickles will present

"has been missing" but it is one of his top priorities.

"My bill will apply to small family farmers and ranchers. According to USDA, the average beef cattle herd is 44 head, and operations of 100 or fewer beef cattle account for 90 percent of all farms and 44 percent of the beef cattle inventory," Scott said. "Yet, we are losing an average of 17,000 cattle ranchers per year. This is a national crisis."

While the announcement did not provide many

her work as a woman artist painting Western subjects, especially women of the West. She was inducted into the Cowgirl Hall of Fame by the National Cowgirl Museum and Hall of Fame in Fort Worth, Texas in 2007. She was voted as one of the most prominent artists in 2011 by Southwest Art Magazine.

I am so looking forward to this gathering and anytime I can share the microphone with Michael it's a good time! He is a Kansas boy and loves coming home and there is no one more knowledgeable about the American West.

Join us if you can, and Get the Heck Into Dodge!!

Deb Goodrich is the co-host of *Around Kansas*, with Michelle Martin, and the *Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum*. She chairs the *Santa Fe Trail 200*, marked through 2025. Contact her at author.debgoodrich@gmail.com.

details, Scott said the bill would create a new program that "strengthens the Federal safety net and makes insurance products work better for small cattle farmers and ranchers, both in terms of coverage and accessibility."

The chairman also wants to establish a grant program at USDA to help small farmers and ranchers and producer-owned cooperatives to undertake innovative business initiatives.

SAVE THE DATE
— FOR THE —

2022 GRASS & GRAIN

FARM AND RANCH SHOW

November 8, 9, 10
2022

Located at the National Guard Armory
Manhattan, KS

FREE Parking & Admission!

Find us on Facebook:
@GGFarmShow



LUCAS OIL CHAMPIONS TOUR & CHAMPION SEED WESTERN SERIES

KANSAS SUMMER NATIONALS
POWERED BY syngenta

AUG 6
7:00 PM
Gates Open 3:00 PM

Champion Seed
Champion's Tour Class: Pro Modified 4WD Trucks
PPL Western Series Classes: 95 Limited Pro Stock Tractors
95 Limited Pro Stock Tractors - Limited Pro Diesel Trucks
Pro Farm Tractors - Super Modified 2WD Trucks - Light Weight Super Stock Tractors
Modified Tractors
• Nebraska Bush Pullers Classes: Lights Mods
• MSTPA Sanctioned Classes: 6000 Pro Field

Threshing Bee Grounds
McLouth, KS

More Info: [McLouthThreshingBee.com](https://www.mclouththreshingbee.com)
913-683-9234 • 785-418-2444 • 785-331-7833
3 Blocks South Of Intersection Of I-16 & K92
<https://whatssmokinlivesteam.ticketspice.com/2022-kansas-summer-nationals-advance-tickets>

topline STEEL BUILDINGS
(800) 369-3882
www.toplinebuildings.com
sales@toplinebuildings.com

STEEL BUILDING INVENTORY SALE

I-Beam Construction
Easy Bolt-Up Design

40x65 • 60x90 • 100x150 • Many Others Available

Yoder Seed Cleaning
2 Large Capacity Mobile Seed Cleaners with Length Graders
1 for Wheat - 1 for Cover Crops
Easy clean out between jobs
Certified and Insured
620-694-9111
Freeman Yoder Arlington, KS

Superior genetics ... locally grown™



KAUFFMAN SEEDS
Haven, KS
620-465-2245 • 620-727-3567
AP Bigfoot, Bob Dole,
AP EverRock,
SY Monument, SY Rugged,
SY Wolverine, AP 18AX

KNOBEL SEEDS
Fairbury, NE
402-446-7394
402-587-0425
SY Monument,
SY Wolverine, AP Bigfoot

DON NEUFELDT
Inman & Moundridge, KS
620-747-0404
Bob Dole, SY Monument,
EverRock, Atomic,
DoubleStop CL², Photon

PLAINSMEN SEED
Palco, KS • 785-221-1682
SY Wolverine, AP EverRock

POLANSKY SEED
Belleville, KS • 785-527-2271
AP Bigfoot, AP18AX,
SY Wolverine, SY Monument,
AP Road Runner,
AP EverRock, Wolf

SEEMAN FARMS
Larned, KS
620-285-1357 • 620-285-5288
SY Rugged, SY Monument,
Bob Dole, SY Wolverine,
AP18AX

CALL US FOR ALL YOUR SEED NEEDS!



The Hunt-Part 1

Up to "The Blizzard" my deer hunting experience consisted of still-hunting in the wooded draws and creek bottoms in the Northern Flint Hills of Pottawatomie County for whitetail. I saw a few mule deer while living in north-west Kansas, and decided I wanted to hunt mule deer by horseback. With over 20 inches of snow and a free afternoon, I finally had my chance.

I kicked my little bay gelding into a trot as I headed out the yard gate and up the long slope of the dune that marked the south side of the Home Valley. We found a good steady rhythm and even in

the knee-deep snow, Shilo was happy to be working.

The Sandhills are very consistent in how they lie running west to east, but like snowdrifts with a long gentle slope up the north side which crests and drops off sharply on the south, just like a snow-drift, with nice flat valley between each dune up to a quarter-mile wide in places. The sandy soil will not hold a steel T-post, so most of the fencing is either cedar or hedge posts with wires tied, not stapled, with one piece of "tie wire" (typically baling wire) used to tie the barbed wire to the post for all the strands. Starting at

the top and working your way down, you only need pliers to cut the wire once per post. This is handy when you need to get your horse to the other side of the fence and the next gate is a half-mile away. All you do is untie all the strands for about three or four posts and pull the wires (usually four) down to the ground and tie them off to a post, walk your horse over the wires, and put the wires back up, re-tying them to each post without ever needing pliers. Takes a tad more time than opening a gate, but a lot quicker than riding a mile around to where you need to be!

"Blowouts" are a common problem for ranchers in that country. Cattle walking fences create cow paths that, instead of "washing" due to rain runoff, are eroded by the wind. Truck trails can create the same type of problem. Basically anything that disturbs the grass cover can begin an erosion process that over time can

be seen for a ways off.

There was a blowout south of headquarters that looked like a rear gunshot notch where an old road went through. I headed up into that notch at a long trot and followed a trail that cut off to the east just before passing through the hill, and my little horse needed a blow so we slowed to a walk making our way up to the top of the ridge.

Once on the ridge the snow had mostly blown off and it was easier walking. The view in that country is ever-changing; between the light, time of day, the seasons, and now the snow cover, it was a new panorama every day. This was once the hunting grounds of the Oglala Lakota people. A very humbling sight as you sit there a-horseback viewing the vast lonely expanse of snow- and grass-covered dunes with nothing on the horizon but more of the same.

We followed the ridge carefully along to the east, staying clear of snow with

no grass sticking up out of it, as it could be a very deep drift with the ground falling away quickly into one of the many "pockets" that look similar to small volcano craters in the tops of the hills that the wind has formed over the centuries. The upwind side of these pockets could have snow ten to 15 feet deep or more. The downwind side of the pocket was almost clear of snow.

I glassed the south valley from my vantage point and caught sight of my quarry about a mile to the east on the opposite edge of the valley. Twelve head of muleys were grazing where the wind had kept the snow to only about six inches. I didn't see the buck.

My decision was to cross over the valley and circle around the herd and come in from the southeast, downwind of their current position. The ride took about an hour, as I had to let down one fence, and as I circled around the point

where last seen, realized the herd had moved. I tied my pony to a fence post and moved up the slope afoot in order to keep a low profile, and topped out the windswept dune in a belly crawl. Peeking over the edge into a nice pocket were ten mule deer in various positions of loafing, but no buck to be seen. I made a snap decision to bring home some meat and selected the largest doe and took her.

Now I am at least three and a half miles from headquarters with a 120-lb carcass to transport, somehow.

Funny, I hadn't considered this part of the hunt until now! (to be continued)

Kirk Sours is a ranch manager in northeast Kansas, shaped and molded by the Kansas prairie since the age of eight. His major hobby is writing commentary, short biographical stories, and he is active in the community. Email him at: sours.kirk@yahoo.com.

How proposed legislation would micromanage beef markets

Op-Ed by Sean Heather, U.S. Chamber of Commerce

In the 1930s, in response to the Great Depression, Congress enacted laws like the National Industrial Recovery Act and the Agricultural Adjustment Act to micromanage various markets. With the benefit of hindsight, it is easy to see that these bills ultimately harmed consumers by fixing prices and harmed producers by preventing markets from adjusting naturally.

Why, then, is Congress again considering aggressive legislation to regulate beef markets?

In a rush to address soaring meat prices and ensure that all parts of the supply chain benefit from those prices, several pending bills would dramatically expand the federal government's role in meat markets. In particular, the Meat and Poultry Special Investigator Act would create a new office within the Department of Agriculture (USDA) to police competition. And the Cattle Price Discovery and Transparency Act, would give the USDA significant new authority to manage cattle sales around the country.

Unfortunately, both bills would harm consumers and reduce competition. Specifically, the special

investigator bill would create a duplicative office within USDA to combat anticompetitive conduct, which could slow law enforcement investigations and lead to more politicized enforcement decisions. Instead of creating a new office, Congress should simply ensure that the existing law enforcement agencies have the necessary tools and resources to do their jobs.

Similarly, the cattle price bill would displace free market fundamentals with government-controlled pricing. In a nutshell, the bill would require cattle feeders to sell cattle to packers, and packers to buy from feeders a mandatory minimum of fed cattle on a cash, spot market. As a result, the bill would reduce the ability of all levels of the supply chain to negotiate freely through formula and contract sales, also known as alternative marketing arrangements—a system that has helped to increase consumer demand and improve beef quality by effectively transmitting market signals about consumers' preferences to producers.

In other words, the bill would replace a market structure that has evolved naturally over time with one created and managed

by bureaucrats in Washington. When has that ever been a good idea? Instead, Congress should let these post-COVID markets adjust naturally. Indeed, fed cattle prices reached a seven-year high earlier this year, benefitting suppliers up and down the chain, and these price signals ultimately will work to expand production and keep prices in check for consumers.

Beyond their obvious flaws, these bills buy into the White House's faulty narrative that beef markets are suffering from a lack of competition. In fact, total beef production reached record levels in 2020 and meat prices fell in the five years before the pandemic. Since 2007, the economy has become less concentrated; indeed, the four-firm concentration ratio in fed cattle beef packing has not changed meaningfully in more than 25 years.

The USDA itself recognizes that, "[h]igh feed costs, increased demand, and changes in the supply chain have driven up prices for wholesale beef and dairy." Former Treasury Secretary Lawrence Summers, a senior official in both the Clinton and Obama Administrations, has explained that macroeconomic

trends are raising prices around the globe. Higher food prices are resulting from increased demand, COVID-related supply chain disruptions, and higher input costs, especially energy and labor.

Rather than expand the government's role in the economy, create new regulatory burdens, or hire new, duplicative regulators, Congress should explore other avenues to encourage competition and lower prices for consumers. Sensible policies would reduce tariffs, raise supplies of fossil fuels, encourage people to return to work, and relax economic harming regulations. In the near century since the New Deal, we have learned that all of these tools, along with sensible monetary policy, help markets operate more effectively and efficiently, to the benefit of consumers and producers alike.

COUNTRYSIDE ATVs & MORE!
ATV REPAIR 2 Full-Time Mechanics On Duty

NOW OFFERING REBUILDS ON ATV, UTV & LAWN MOWER ENGINES!

• **PARTS SALES & SERVICE** •
JEFF O'BRIEN: 620-778-0142

22825 120th Road, St. Paul, KS 66771
countrysideatvrepair@gmail.com

3V FOAM
Insulation & Concrete Lifting LLC

Spray Foam Insulation • Concrete Lifting
Roof Insulation • Residential • Commercial/Agricultural
Profoam Certified & Insured
Derek Vannocker • 913-735-9906 • www.3vfoam.com

"I've been a long-time believer and subscriber of Grass & Grain."

"I have kept an ad in Grass & Grain every week since 1972 and I have been very pleased with the results!"

"Very cost effective. For what I spend in advertising, I spend way less with Grass & Grain than anywhere else."

"I have sold more property from my Grass & Grain ads than any other media that I have used!"

"I've been very pleased with the distribution because of the people that I have worked with that weren't from this area. They got the paper and saw the ad!"

"It absolutely pays for itself!"

You too could be reaping the benefits of Grass & Grain advertising!

Don't hesitate, call today:
785-539-7558

Or stop by to talk with one of our advertising representatives:

Dolly Anderson, broker/owner of G&A Real Estate in Manhattan, KS, is one of Grass & Grain's longest, continuous advertisers. *Look for her weekly ad in the classified section!*

GRASS & GRAIN
1531 Yuma St. Manhattan, KS

PRITCHETT®

TWINE & NETWRAP LLC

SECURE YOUR HAY WITH PRITCHETT® TWINE

- Plastic
- Solar Degradable
- Sisal
- Fits all Makes and Models of Large Round, Large Square, and Small Square Balers

PROTECT YOUR HAY WITH PRITCHETT® NETWRAP

- UV Stabilized
- Highly Visible
- 4" Warning Stripe on the last 450' of the roll
- Marker Strip for Quick Glance installation
- One of the HEAVIEST Netwraps on the market

Netwrap Sizes: 48" x 9840' 64" x 8000' 51" x 9840' 67" x 8000'
*We offer multiple color choices! 64" x 7000' 64" x 9000' 67" x 7000' 67" x 9000'

Branch Locations of Pritchett® Twine & Netwrap LLC:

Scotland, SD
Sara • 605-464-0362

O'Neill, NE
Jerald • 402-340-4154
J.J. • 402-340-0890

Hillsboro, KS
Jason • 620-381-0262

www.BalerNetwrap.com

Just what the doctor ordered: Get your prescription for next year's wheat crop during upcoming Wheat Rx seminars

A prescription for producing high-yielding and high-quality wheat is just what the doctor ordered for Kansas wheat producers — referring to expertise from Kansas State University like wheat breeder Allan Fritz, wheat and forage Extension specialist Romulo Lollato and northwest area crops and soil scientist Lucas Haag.

Mark the calendar now for two upcoming seminars with the trio in Phillipsburg and Garden City. These speakers will discuss how to capture value for high-quality wheat, proper fertility to maximize yield and quality, fungicides and wheat health, intensive wheat management and the value of wheat in the production chain. The program will qualify for certified crop

advisor (CCA) continuing credit units (CEUs).

"We cannot change the impact of weather on each year's crop, but we can arm wheat producers with the knowledge they need to maximize profitability through utilizing the genetic potential of new varieties and best management practices," said Aaron Harries, vice president of research and operations for Kansas Wheat. "We're excited to share with Kansas wheat producers what we've learned through the Kansas Wheat Commission's research investments — from the importance of variety selection to the practices and tools farmers can use to improve quality."

These programs are part of Wheat Rx, a partnership between Kansas

Wheat and K-State Research and Extension to disseminate the latest research recommendations for high-yielding and high-quality wheat to Kansas wheat farmers. This effort includes a series of Extension publications at <https://kswheat.com/wheatrx> and educational outreach like the upcoming seminars.

This summer's programs are scheduled for Aug. 9, 2022, in Phillipsburg, and Aug. 10, 2022, in Garden City.

August 9, 2022
8:00 a.m. to 11:00 a.m.
7:30 a.m. Registration, breakfast sponsored by

Kansas Wheat Alliance
Phillipsburg
Armory Large Hall
520 S. 7th St.
Registration for this half-day seminar is free, sponsored by Amber Wave. Following the condensed morning program, attendees are invited to the ribbon-cutting and reveal of the new local protein plant — Amber Wave, formerly known as Prairie Horizon Agri-Energy. The plant will be North America's largest wheat protein plant. Lunch and refreshments will be provided. Register for the event at <https://kswheat.com/philipsburg>.

August 10, 2022
9:00 a.m. to 3:00 p.m.
8:00 a.m. Registration, breakfast sponsored by Kansas Wheat Alliance
Garden City
Clarion Inn
1911 E Kansas Ave
View the full agenda and register for the event at <https://kswheat.com/gardencity>.
KAWG members receive one free registration to this full-day seminar. The nonmember registration fee is \$110. To take advantage of this benefit, join or renew your membership today at <https://kswheat.com/join>.
Can't make it to either

of these seminars or just want more discussion on the upcoming growing season for wheat? Sorghum U / Wheat U is scheduled for August 11 in Wichita. Organized by the High Plains Journal, the program includes breakout sessions on fertility management, maximizing profitability, grain marketing during the war in Ukraine, weed management and more.
August 11, 2022
Wichita
DoubleTree by Hilton
2098 S Airport Road
Learn more about the event and register at <https://www.hpj.com/suwu/>.

GRASS & GRAIN Guest Editorial

"Value Them Both" is an opportunity for Kansans to once again lead America forward

By Michael R. Pompeo
The state of Kansas has always been defined by leadership and courage. Its plains were home to the first generations of American settlers, who left teeming cities to lead America westward and establish new roots. In the years prior to the Civil War, it was Kansans who stood against slavery and stopped its expansion. Kansas was the first state to hold a referendum on women's suffrage in 1867, and Charles S. Scott, Kansas born-and-raised, was the lead attorney for Oliver Brown in the landmark Supreme Court case Brown v. Board of Education. Kansas has always set the standard in the fight to secure inalienable rights and aid those who are most in need. That's why at times of great division and difficulty in America, the nation looks to Kansas for the path forward.

term abortions when the child can feel excruciating pain. These extreme activists have said publicly that they "don't support abortion limits of ANY kind." They have fought against every reasonable limit on the abortion industry in the legislature and the courts. Rather than trust the people, they are hiding behind the 2019 decision to execute their agenda. Don't let them.

There are over 50 pregnancy clinics all across Kansas that offer financial, emotional, and medical help to women, free of charge. Many centers offer this support for up to three years after their child is born. Their work should be championed and expanded; this work is what Kansas should become known for. I know that the people of Kansas are strong and compassionate enough to make that a reality.

I also know that there is great division about this issue, both in Kansas and America. It is imperative that we remain civil and respectful despite this deep and profound disagreement. The assaults against pregnancy centers since the Supreme Court decision are unconscionable — some of these have happened in Kansas. As Secretary, I traveled to many countries where they still settle disputes with violence; America must be better than that. Kansas must be better than that.

Public pressure weighs against those of us who fight for life. Those who have used the pro-life movement for political gain have already begun to bow to this pressure and surrender. I ask Kansans who believe in life not to surrender, to never give an inch — I know I never will. Vote "Yes" to the "Value Them Both" amendment and restore the voice of the people in Kansas.

Mike Pompeo served as America's 70th Secretary of State from 2017-2021.

the stakes are for life. The Supreme Court's landmark decision in Dobbs v. Jackson finally overturned Roe v. Wade and returned the power to regulate abortion to states. All across the country, this democratic process is already under way — except in Kansas, my home state. The right of Kansans to decide this important issue has been taken away not by the Supreme Court of the United States, but by the Supreme Court of Kansas.

In the 2019 case Hodes and Nausner v. Schmidt, the Kansas Supreme Court pronounced that the state's constitution protects a woman's right to obtain an abortion, causing all existing limits on abortion to become "presumed unconstitutional." Many Kansans believe strongly that this sweeping decision by the Kansas Supreme Court overrode the democratic process.

The ruling already has had serious consequences in Kansas. Abortions in the state have increased by 13% since the ruling took effect. Dismemberment abortions — in which the unborn, even after the point of viability, is cut into pieces while still in the womb, then extracted limb by limb — have

increased by 17%. This method of abortion, in addition to its particularly barbarous cruelty to the unborn, also carries with it severe health risks for the mother, both long-term and short-term.

I am a Kansan. I've represented the people of Kansas and fought for them in Washington as a congressman, and also on the world stage as America's 70th Secretary of State. Kansans do not want to see their state fund abortions with taxpayer money, or have unsafe and unregulated abortion mills in the state they call home. What every Kansan wants, fundamentally, is the right to vote on this important issue.

The "Value Them Both" amendment will secure this right. It simply makes clear that the state constitution "does not create or secure a right to abortion," and it affirms that "the people, through their elected state representatives and state senators, may pass laws regarding abortion." That's it. Full stop.

Yet this simple amendment has met with severe opposition from pro-abortion radicals who favor unlimited abortion on demand, even painful late-

AUCTION
SATURDAY, AUGUST 6, 2022 - 9:30 AM
3408 West 6th, American Legion, LAWRENCE, KANSAS

60+ FIREARMS
Caesar Guerini Summit Sport 12/70 12 ga. w/hard case (VERY NICE LIKE NEW!); Stevens Savage 22-410 o/u; Weatherby Centurion 12 ga. semi; Winchester Model 1890 .22; Stevens Model 70 .22 Pump; Revelation .22 Bolt; NRA 12 ga. Pump; Remington #6 Youth .22; 22 Hex Barrel Single Shot; Stevens 12 ga. single shot; Browning Arms BPS Field Model-22 12 ga. pump; Sear Roebuck "Ted Williams" 12 ga.; Savage Arms 20/.222 o/u; Remington Arms Model 29 12 ga.; 1900s Remington Arms UMC Model 12 (unmarked) .22 octagon barrel/steel butt; The Marlin Firearms Model 336 30-30; Savage Arms Model 444 12 ga.; Marlin Model 60SB 22 long Stainless; Winchester Model 77 22L w/adj. sights; Ward's Westernfield Model 30 12 ga.; Remington Sportsman 58 12 ga.; ROSSI RB22M .22WMM (Never Fired!); 1930 Sears .22; Savage Youth .22; Premier hex barrel .22 pump; Remington Sprotsmaster Model 512 .22; Mossberg Chuckster

640K .22; Marlin 30-30 lever action; H&R Model 760 .22; Revelation Model 350 16 ga.; Remington Arms Pump Hex Barrel .22; JC Higgins Model 583 12 ga.; Mossberg 410; Winchester Model 1906 .22 short pump; FIE Model Titan .22 Pistol; .38 Special Revolver; Ejercito Argentino .45 Revolver; Ruger Mark III .22 Revolver; Colt Diamond Back .22 6 shot Revolver; H&R 922 pistol; Jennings Chrome J22 pistol; Davis Derringer chrom 38 pistol; Davis Derringer DM22 pistol w/box; Black Powder Double Barrel 12 ga.

ALL ATF Rules Apply. KS Residents ONLY! Detailed Listing On The Internet!
Ammo: Rem 32, 220 Swift, 303 British, 222, 25 auto; 20+ Vintage Swords/Daggers; **Knives:** Buck 307/317, Schrade Henry Old Timer 250T w/scabbard, Vintage Sweden w/scabbard, German Puma Bowie w/Black Horn Handle, deer feeder; Motor Guide trolling motor; power washer; wet tile saw; power & hand tools; **numerous items too many to mention!**

AUCTION NOTE: Very Clean, Well Maintained Collection of Firearms & Related Items! DAY OF AUCTION INSPECTION ONLY!
ELSTON AUCTIONS * (785-594-0505) (785-218-7851)
"Serving Your Auction Needs Since 1994"
Please visit us online: www.KansasAuctions.net/elston/Pictures/

UPCOMING SPECIAL ISSUES

- Ag Finance - August 9th
- Kansas State Fair Issue - August 30th
- Fall Harvest (4-week series) - September 6th
- Fall Full of Bullz - September 13th
- G&G Farm & Ranch Show - November 1st
- Soil Health - November 8th
- Wichita Farm Show - November 29th

DEADLINES:

- Ag Finance - August 3rd, before Noon
- Kansas State Fair - August 24th, before Noon
- Fall Harvest - August 31st, before Noon
- Fall Full of Bulls - September 7th, before Noon
- G&G Farm & Ranch Show - Oct. 26th, before Noon
- Soil Health - November 2nd, before Noon
- Wichita Farm Show - November 23rd, before Noon

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



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



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

WELCOME

Toby Bruna
Land Agent

To Midwest Land & Home

Toby has always had a passion for real estate, buying his first farm at just 20 years old. He's grown that experience by helping family, friends and clients in buying and selling properties over the past 30+ years. He and his family own and operate their family farm, along with their on-line marketing company. He lives on the family farm just south of Hanover with his wife, Barbara. Along with the youngest four of their six children.

"When I decided to become a licensed land agent here in northern Kansas and southern Nebraska, it only made sense to confide in the most experienced brokerage I had ever dealt with, and felt fortunate to have grown up practically within shouting distance of Mark and Jeff, the owners of Midwest Land & Home. Hard-working, honest, and without a doubt putting their clients interests at the forefront of every avenue crossed in all real-estate transactions." -Toby Bruna

Toby Bruna, Land Agent
785.713.9325
Toby@MidwestLandandHome.com
www.MidwestLandandHome.com
When you want the Best, Trust Midwest!

GRASS & GRAIN

ONLINE ONLY

1 year - \$35 Other options also available

Arrives in your Inbox every Monday between 12-1pm
Email is required.

TO SWITCH OR SUBSCRIBE CONTACT KEVIN:
CALL 785-539-7558 • EMAIL: agpress3@agpress.com
Or stop by: 1531 Yuma St., Manhattan, KS

*Online edition is FREE to all Paid Mail Subscribers



Kansas Corn Summer Listening Tour to stop in six communities

Kansas corn farmers are invited to Kansas Corn's Summer Listening Tour, hosting dinners in six Kansas communities. Kansas Corn will focus on farmer discussion around the issues that matter to corn growers at the dinners. Growers can connect with Kansas Corn in Sterling, Buffalo, Hugoton, Hoxie, Courtland and Hiawatha. This is the seventh year of the popular

listening year dinners. "This year's theme is 'True to Our Roots' and we're honoring Kansas Corn's long tradition of representing farmers and building opportunities for corn. The Kansas Corn Commission is celebrating its 45th year, and the association is in its 47th year," Kansas Corn CEO Greg Krissek said. "We're looking forward to great discussions with

growers at the dinners. The farmer feedback we get helps guide our organizations going forward." Kansas Corn hosts this annual listening tour to meet with corn farmers to talk about the many issues surrounding the corn and ag industries. Kansas Corn staff will briefly update growers on key topics including the atrazine comment period, ethanol efforts and input

costs. Each stop will feature a roundtable discussion around these key topics and other issues facing attendees such as drought and rising input costs. The goal of each stop is to get feedback from corn growers, which is valued by the association and commission boards in their planning. Attendees are asked to register for these summer events online at kscom.com/tour or by calling the Kansas Corn office at 785-410-5009.

2022 Kansas Corn Summer Listening Tour (Corn dinners are from 6-8 p.m.)

- Tues. Aug 2 at Sterling (Central)
- Mon. Aug. 8 at Buffalo (Southeast)
- Wed. Aug. 10 at Hugoton (Southwest)
- Thurs. Aug. 11 at Hoxie (Northwest)

- Tues. Aug. 16 at Courtland (North Central)
- Wed. Aug. 17 at Hiawatha (Northeast)

The Kansas Corn Summer Listening Tour is sponsored by the Kansas Corn Growers Association and the Kansas Corn Commission. Get more information at kscom.com/tour or call Kansas Corn at 785-410-5009.

Immersive demonstrations planned for Nebraska Soybean Management Field Days August 9-12

The 2022 Soybean Management Field Days are set for August 9-12. This year's field days feature more demonstration-based presentations and added opportunities for interactive discussion. Growers will also have opportunities to get questions answered.

ees will learn about the various Nebraska Soybean Board (NSB) checkoff dollar research, marketing and education efforts.

Brought to you by NSB and Nebraska Extension, the field days begin with 9 a.m. registration and conclude at 2:30 p.m. Free registration is available the day of the event.

The event consists of four stops across the state, each with demonstration plots, lunch and time for questions. Dates and locations are:

tions are:

- Aug. 9 - Blue Hill, Neb. - Toepfer Farms
 - Aug. 10 - Central City, Neb. - Greg Greiving Farm
 - Aug. 11 - Brownville, Neb. - Daryl Obermeyer Farm
 - Aug. 12 - Decatur, Neb. - Method Farms
- University specialists, educators and industry consultants will cover:
- Soybean disease management
 - Irrigation management (Blue Hill, Central

City, Decatur)

- Cover crops (Brownville)
- Weed management
- Ag economics
- Precision ag
- Biodiesel and Renewable Diesel: Fuels from the Farm

"The Nebraska Soybean Board looks forward to another road trip across Nebraska providing helpful information and demonstrations to our producers to utilize on their farms," says Scott

Ritzman, NSB executive director. "It's an excellent way to provide unbiased research that hopefully impacts their bottom line."

University of Nebraska-Lincoln agronomists, plant disease experts, and insect specialists will be available to address questions. Participants can bring unknown crop problems for complimentary identification.

According to Nebraska Extension educator Aaron

Nygren, "This is an excellent opportunity to gather and discuss soybean production practices that are important to your operation with other farmers and University of Nebraska specialists and educators."

For more information about the field days and maps to sites, visit enrec.unl.edu/soydays, or contact NSB at (402) 441-3240 or Nebraska Extension at (402) 624-8030.

Governor announces creation of Wildfire Task Force

Governor Laura Kelly has announced the creation of the Governor's Wildfire Task Force, a group of leaders from across the state, to create recommendations for how Kansas communities can better prevent, respond to, and recover from wildfires. The Task Force met for the first time over Zoom.

wildfire threats, review the role that local governments and state officials play in responding to such emergencies, and address how these entities can provide more support to communities impacted by devastating wildfires.

The Task Force will be led by Kansas Secretary of Agriculture Mike Beam and appointments include representatives from local, state and federal agencies and organizations which have played an active role in responding to wildfires across the state, along with several state legislators.

"Kansas has been fortunate to have these agencies and organizations leading the response to wildfires, and they have been dedicated to improving that response," said Beam. "The Task Force will provide an opportunity for them to expand that collaboration including with those who personally experienced the devastation of recent wildfires."

Critical issues that will be assessed and addressed by the Task Force include:

- Mike Beam, Kansas Department of Agriculture

lead to wildfires and cause them to expand, specific regions or locations within Kansas that are most vulnerable to catastrophic wildfires, and ways that officials can better respond to wildfires in the future.

Prior to the completion of the Task Force's report outlining recommendations, the public will have the opportunity to provide input on how public officials and the private sector can work together to better prepare for future wildfire threats, develop emergency response plans, and recover from wildfire disasters.

Members of the Governor's Wildfire Task Force include:

- Steve Beer, Hutchinson Fire Department
- Elaine Bowers, Kansas Legislature
- David Braun, Kansas Livestock Association
- Jeanne Bunting, Kansas Division of Emergency Management
- Dennis Carlson, Kansas Prescribed Fire Council
- Terry David, Kansas Association of Counties
- Daryl Donohue, Kansas Association of Conservation Districts
- Kathleen Fabrizio, Kansas Emergency Management Association
- Jason Hartman, Kansas Forest Service
- Tom Hawk, Kansas Legislature
- Doug Jorgensen, Kansas Fire Marshal
- Duane Keller, Agriculture

Chip Redmond, K-State Research and Extension

- Erik Sartorius, Kansas League of Municipalities
- Stuart Schrag, Kansas Department of Wildlife and Parks
- Lee Tafanelli, Kansas Electric Cooperatives
- Troy Waymaster, Kansas Legislature
- Brenden Wirth, Kansas Farm Bureau

Forest Service

- Mark Neely, Kansas Forest Service
- Butch Post, Kansas Emergency Management Association
- Jason Probst, Kansas Legislature

Forest Service

- Mark Neely, Kansas Forest Service
- Butch Post, Kansas Emergency Management Association
- Jason Probst, Kansas Legislature

Former house ag committee chairman shares perspective on cattle market legislation

Former chairman of the House Agriculture Committee Collin Peterson recently shared his thoughts on why the Cattle Price Discovery and Transparency Act is a bad idea. Specifically, Peterson believes that cattle producers are better equipped than Congress to address price discovery and transparency.

In his op-ed, Peterson explains that cattle producers are rightly frustrated with the disparity between calf prices and beef prices, and with increasing packer and retailer profit margins. However, he adds that despite the well-intentioned legislation, a government mandate on how cattle must be bought and sold not only won't solve the issue but would instead make things worse.

"Here's why: mandating that packers buy a certain percentage of cattle in each region of the country on a cash basis is really a mandate that cattle producers must sell a certain percentage of their cattle on a cash basis, whether they want to or not, even if they could earn more by utilizing an alternative marketing method that pays premiums for quality and value-added production practices to meet consumer preferences," Peterson stated.

LAND AUCTION

THURSDAY, AUGUST 18, 2022 — 6:00 PM
4-H Building, 901 Otoe Street — BELLEVILLE, KANSAS

1036± ACRES REPUBLIC COUNTY, KS LAND SOLD IN 9 TRACTS

ONLINE & PHONE Bidding Available - Register NOW!

REGISTER NOW! Download our Midwest Land & Home App on your Apple or Android and Register to BID TODAY!

See July 19 issue of *Grass & Grain* For Details & For Complete Details on each tract & details of the auction, visit www.MidwestLandandHome.com

Stay up to date on auctions & listings LIKE us on Facebook: Midwest Land and Home.



MIDWEST LAND & HOME

Buyer granted immediate access to properties for preparation and planting of fall seeded crops, remaining pasture season, and haying opportunities upon signing purchase contract and making escrow deposit.

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

LAND AUCTION



429.67 AC± | 3 TRACTS
LINCOLN & RUSSELL CO, KS

AUCTION: LIVE AND ONLINE AT
RANCHANDFARMAUCTIONS.COM

AUCTION DATE: 8/10/22
AUCTION TIME: 11:00 AM

AUCTION LOCATION:
FINCH THEATRE
122 EAST LINCOLN AVE.
LINCOLN, KS 67455

IN COOPERATION WITH WHITETAIL
PROPERTIES REAL ESTATE, LLC
STEVE SHAFFER, AGENT (785) 738-0037
MITCH KEELEY, AGENT (785) 259-0492
ADAM HANN, AGENT (785) 259-2469

RANCHANDFARMAUCTIONS.COM

IN COOPERATION WITH WHITETAIL PROPERTIES REAL ESTATE LLC | Jefferson Kirk Gilbert, Branch & Farm Auctions (2000000292), Kansas Broker License # 00237063 | Dan Olsin, Director, Ranch & Farm Auctions, 377396 0323 | Steve Shaffer, Kansas Land Specialist for Whitetail Properties Real Estate, LLC, 785.738.0037 | Adam Hann, Kansas Land Specialist for Whitetail Properties Real Estate, LLC, 785.259.2469 | Mitch Keeley, Kansas Land Specialist for Whitetail Properties Real Estate, LLC, 785.259.0492 | Branch Name: Auctioneer

B & B


Radiators & Auto-Air

Radiators
Heaters

Gas Tanks

Air Conditioners

Condensers
Compressors



776-0000

Manhattan, KS

LAND AUCTION

SATURDAY, AUGUST 27, 2022 — 10:00 AM
Cougars Den, 101 Main St. — MORROWVILLE, KANSAS

80± ACRES WASHINGTON COUNTY, KS LAND

FSA Farmland = 78.49 acres with 75.2 DCP Cropland acres

ONLINE & PHONE Bidding Available - Register NOW!

REGISTER NOW! Download our Midwest Land & Home App on your Apple or Android and Register to BID TODAY!

For Complete Details visit: www.MidwestLandandHome.com
Stay up to date on auctions & listings LIKE us on Facebook: Midwest Land and Home.



UNITED METHODIST CHURCH

HADDAM KS. - SELLER

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

DICKINSON COUNTY, KS
315.31± ACRES PRIME LAND

UNRESERVED ONLINE LAND AUCTION

ABSOLUTE

Bid Online

AUG. 2-16, 2022

Sellers: Tim and Debra Sanders
Contact Listing Agent
Mike Campbell 785.821.0619

BIDDING ENDS AUG. 16 AT 7 P.M. CDT

Get a salebill, register and bid at www.bigiron.com/realty



Legal: s 1/2 27-14-3

- 'Prime' Crete & Irwin Clay Loams 0-3% slope
- 293.59± acres cropland
- 12.38± acres waterways/conserving uses
- 9.11± acre, one-mile-long windbreak
- Grain delivery (Navarre, KS) 1/2 mile west on Hwy 43

- Mile of paved Hwy 43 frontage on south side
- County roads on east and west sides
- 40 X 68 ft. quonset and 2 grain bins
- Read and see more on www.bigiron.com > upcoming auctions

Attend the Auction

Tuesday, August 16, 2022

1 p.m. CDT until bidding ends

The Greyhound Hall of Fame | 407 S Buckeye Ave. | Abilene, KS

Bigiron Realty representatives will be there to answer questions about the property and assist buyers with bidding online. You do not have to be present to bid online, but you are required to be available by phone. Sellers: Thinking of selling your land? Please attend this auction and see how it works!

Information was obtained from sources deemed reliable, but broker makes no guarantee as to accuracy. All prospective buyers urged to fully inspect property and rely on their own conclusions. Copyright 2022 Bigiron Realty. All rights reserved.

Ammoniating low-quality forages

By Ross Mosteller,
Meadowlark District
Extension Agent, livestock
and natural resources

I've heard local hay reports recently ranging from "best we've had" to "half as much as last year." Anyone following the Kansas Direct Hay Report knows that volume has remained high and prices strong. Recent rains have been helpful to extend forage production, but the predicted stretch of hot, dry weather could change things rapidly. Today let's take a look at an option that may or may not make sense for livestock producers to explore to feed ruminants.

Ammoniating low-quality forages can make some really decent feed, making use of feedstuffs that might otherwise go unused, due to bulkiness, low protein and energy levels. Wheat and other cereal grain straw is a classic go-to for ammoniation. Right now, straw tends to be more available out of the field. Really any forage less than 5 percent crude protein and 45 percent TDN on a dry matter basis, are candidates for ammonia treatment. CRP hay might be another example, if low quality.

While it can be time-consuming, labor-intensive and requires close monitoring during the process; ammoniation can create a feedstuff that rivals good quality grass hay. Ammoniation increases the digestibility of

crop residues by breaking lignin-cellulose bonds in plant fiber. Dry matter digestion (TDN) typically increases 8 to 15 percentage units. Feed intake can be boosted 15 to 20 percent or more because of improved forage digestibility and increased rate of passage through the digestive tract. Typically, you can expect crude protein content of the low-quality forage to double. Ammoniating using a rate of 3 percent, which equates to 60 pounds of ammonia per ton of dry matter forage, will yield the expected results.

What do you need to consider to see if this is an option for your operation? You first need a source of low-quality forage. Next, the bales need to be stacked (three by two round bale pyramids are common) on a level, firm, tight, soil surface and then covered with six to eight mil black plastic, sealing the edges with at least 12 inches of soil. It is best to leave a few inches between pyramids to help with the treatment process. It will be critical to keep the plastic secure and free of punctures, to hold the ammonia. Finally, the ammonia (NH₃ a readily available source) is slowly released into the stack over a period of several hours. This is best accomplished with a pipe or hose system that evenly distributes the NH₃ through the middle of the covered stack. The full ammoniation process can

take a few days, to weeks, depending on the temperature. Safety around NH₃ is of the utmost importance and discussed in the resources mentioned later.

So, does it make economic sense to do all this work? If higher quality forage is readily available, it may be the more logical choice, but even in today's higher-priced NH₃ environment, ammoniation may still pencil out. Here's a quick example using the July 12 Kansas Hay Market report. Good quality brome hay (assuming 9 percent crude protein and 56 percent TDN) sold for \$140 per ton. Straw traded at \$90 per ton. Work out of Nebraska estimates that total cost of NH₃ at \$800/ton, plastic, equipment use, labor and miscellaneous fees equals about \$40/ton. That said, there is an economic advantage to ammoniated straw at roughly \$130/ton. Of course, this is just an example and many factors go into making this decision on your operation, but it might just be worth pushing the pencil in times of short available hay and other forage supply.

Research conducted by K-State in 2014 (of which Meadowlark District was a part of) looked at a half rate of NH₃, 1.5 percent, with favorable results nearly that of a full rate in increased digestibility & crude protein, it can be reviewed at: <http://hdl.handle.net/2097/17779> Through that study, we have an ammonia distribution manifold available for checkout through our offices, please let us know if you're interested in renting this tool. Resources can be found in the KSU Forage Facts Notebook at: <https://www.bookstore.ksre.ksu.edu/pubs/s115.pdf> and video of the process viewed at: <https://www.youtube.com/watch?v=JtJb-umpk>

Farmers sound the alarm on farm stress, food security

An Op-Ed from Farm Policy Facts

America's farmers are no strangers to tough times. Mother Nature has a mean streak and farm equipment always seems to break down at the wrong moment. However, this year producers are facing additional stresses.

This summer is overshadowed by skyrocketing input costs and growing inflation, unpredictable weather disasters, supply chain challenges that hinder products from making it to market or prevent farmers from receiving critical goods and parts, and proposed farm policies that threaten to upend multi-generational family farms.

Our farmers need sound farm policies – now, more than ever. Purdue University regularly measures farmer sentiment, and the most recent survey found that more than half of respondents “expect their farms to be worse off financially a year from now.” It's the worst result for this question that the researchers have ever recorded.

The overall Ag Economy Barometer slid down to 97 points, as “rising costs and uncertainty about the future continue to be a drag on farmer sentiment.” Farmer leaders across the country are sounding the alarm.

Blake Hurst, a Missouri farmer and former president of the Missouri Farm Bureau, wrote an op-ed for the Washington Post expressing his worry. “We face more uncertainty than I can remember, and I've been doing this since Jimmy Carter was president. Prices are high for what we grow and sell, but the cost for the supplies that go into it have doubled or tripled in the past year.”

The importance of this moment is underscored by the food insecurity gripping other nations. As we rely more and more on a shrinking number of farmers here in America, we cannot afford to not support our producers who continue to feed, clothe, and fuel our nation and the world.

Fourth-generation Arkansas farmer Jennifer James spoke about the challenges affecting America's farmers, particularly rice producers, in her recent testimony to the Senate Committee on Agriculture. While rice producers have been particularly hard hit by rising inputs and stagnant prices, their hardship should serve as a warning for all of America.

“In the wake of the pandemic and now with global food shortages said to be imminent, Americans are realizing that food security as a natural security issue is not a clever slogan,” James wrote. “It is a reality.”

Still recovering – armyworms 2021

By David G. Hallauer,
Meadowlark District
Extension Agent, crops
and soils/horticulture

About this time last summer, the first reports of fall armyworms started rolling in. Let's hope 2022 is a much less damaging year, because many are still recovering from 2021.

If your hay stands never made a comeback from last summer's feeding and now you're giving thought to reseeding brome, start planning now. Fall is the preferred seeding window for cool season forages with plantings recommended from mid-August until mid-late September.

Start with a soil sample if you don't have a recent one. If amendments are needed, apply prior to planting if possible. This

is especially true if lime is recommended.

Evaluate weed pressure. Established plants will tend to have a competitive advantage over new seedlings, so elimination of existing vegetation via tillage or herbicides should be considered. When applying herbicides, use products that will allow planting in a timely manner. Some broadleaf herbicides require a replanting interval of a couple weeks or longer, potentially pushing you later than desired in to the planting window (see this list for some restrictions: https://webapp.agron.ksu.edu/agr_social/article_new/herbicides-for-damage-d-brome-hay-fields-479-2). For best results, weeds need to be

actively growing, meaning moisture is important.

A nurse crop like wheat is often considered to help protect highly erodible soils while providing a potential forage crop in newly seeded areas the following spring. Avoid high seeding rates of nurse crops and choose wisely. Some commonly used winter cereals at high seeding rates may keep brome from establishing well as they take up nutrients and use moisture.

Seeding rates are based on the amount of pure live seed (PLS), so a germination test will be key to knowing how much seed we can expect to sprout and grow. Seeding rates for well-prepared seed beds are in the 12-15 pounds PLS per acre range while poor seed beds will likely benefit from seeding rates closer to 20 pounds PLS. Drilling is recommended over broadcasting to increase chances of successful establishment (broadcast applications also require higher seeding rates than drilled). Plant at a quarter to a half-inch deep or cover seed only slightly.

Weather is still going to dictate our success, but a good reseeding plan should begin sooner than later. For more seeding information, see the KSU Smooth Brome Production and Utilization publication at: <https://bookstore.ksre.ksu.edu/pubs/c402.pdf> or any District Office.



Bar S Liberty 1273 won reserve grand champion steer at the 2022 Kansas Junior Angus Association Preview Show, June 5 in Hutchinson. James Hoffman, Effingham, owns the June 2021 son of Bar S Liberty 7503. Chad Oates, Rising Star, Texas, evaluated the 117 entries.

Photo by Jeff Mafi, American Angus Association

ESTATE GUN AUCTION
SUNDAY, AUGUST 7, 2022 * 12:00 Noon
Doors Open at 10:00 am for Viewing
 601 S. Broadway - SALINA, KANSAS
Live Onsite or Internet BIDDING at Proxibid.com
****NICE VARIETY OF 166 GUNS****
 Approx. 100 lots of Ammunition & Accessories.
 Go to: www.soldbywilson.com for Pics & Info

Wilson Realty & Auction Service
 PO Box 1695, Salina KS 67402-1695 * 785-823-1177
 LONNIE WILSON - OWNER/BROKER/AUCTIONEER - 785-826-7800
www.soldbywilson.com

AUCTION
SATURDAY, AUGUST 6, 2022 - 9:00 AM
 15568 SW 160th St., ROSE HILL, KANSAS
SELLERS: DAVID FISHER ESTATE & JANELL FISHER
HUGE COLLECTORS!
TRACTORS, TOOLS, GATORS, 4-WHEELERS, GUNS, AMMO, GUN CASES, LICENSE PLATES, PRIMITIVES!
 John Deere 4640 w/duals, cab, extended fuel tank, 3 pt, dual hydraulics, tires 20.8 R42, Genpro 125000 watt Portable Generator, Kawasaki Scag 52" Zero Turn Mower * Honda Recon 4-Wheeler, Genearac Guardian 15000 watt Generator, 185 Allis Chalmers w/Loader 3pt, Gleaner M2 w/20 ft Header, Ford 1720 w/Front Wheel Assist 3 pt, 20 ft Site Box, 1175 Case w/Cab Duals, 3 pt, Dual Hydraulics, tires 18.4R38, Coleman 6.5 Hp Upright Air Compressor, (2) Farmall H 3 pt Good Rubber, Salvage: Rows of Salvage Machinery, 12 ft Tucker Speed Mover, Kawasaki 300 Automatic 4-Wheeler.
 Go to KenPattersonAuctions.com for complete brochure!

Ken Patterson, auctioneer 620-218-1713  Rick Hopper, auctioneer 620-229-3590 
KEN PATTERSON AUCTIONS
Terms: cash or check with approval & proper ID on personal property only. All items must be paid for before removal. Not responsible for accidents. Announcements made day of sale take precedence over printed matter.

New Address?



Let us know!
 Contact Kevin to update your Grass & Grain subscription:
agress3@agress.com
 785-539-7558
 1531 Yuma St.,
 Manhattan, KS 66502

ANNUAL JULY CONSIGNMENT AUCTION

SATURDAY, JULY 30, 2022 AT 9 AM
 WHEELER AUCTIONS LOT, 23101 HWY. 24, PARIS, MO



2500+ PIECES OF MACHINERY FROM AREA FARMERS AND DEALERS!

BID NOW Live Online Bidding Powered By:  **proxibid**
 Online Bidding Provided By:  **Equipmentfacts**

VISIT WHEELERAUCTIONS.COM FOR MORE INFORMATION!

Wheeler AUCTIONS & REAL ESTATE

RECEIVING MACHINERY DAILY STARTING:
 Monday, July 11 until Thursday, July 28 at 12 Noon
 8 A.M. - 5 P.M. (M-F) | 9 A.M. - 3 P.M. (Sat. & Sun.)

23101 HWY. 24, PARIS, MO 65275 | 660-327-5890
WWW.WHEELERAUCTIONS.COM


ESTATE AUCTION
SATURDAY, JULY 30, 2022 — 9:00 AM
 From Olsburg, KS go approx. 1/2 mile West to Booth Creek Rd. then 3.5 miles South to 13945 Booth Creek Rd., OLSBURG, KANSAS

- * 4X4 MULE, MOWERS, MINI VAN, TRAILERS & MACHINERY (Sell at 12:00) * SQUEEZE CHUTE, ALLEYWAY, PORTABLE PANELS & MISC. (sell after coins)
- * GUNS (sell at 10) * COINS & STERLING (sell after guns, approx. 10:20)
- * HOUSEHOLD GOODS, COLLECTIBLES & MISC. (sell first)
- * GLASSWARE, POTTERY & COSTUME JEWELRY (sell after household goods, maybe 12:00).

ALSO: Lot of quilts & other cloth goods, trombone, artwork by area artists, crocks, huge stamp collection.
 *The property will be open for your inspection Thursday & Friday, July 28 & 29, from 10am until 5pm.
 May run **TWO RINGS All Day!**

CLERK: Shirley Riek, 526 Fredrick, Clay Center, Ks. 67432

See July 12 issue of Grass & Grain for listings & Go to kretzauctions.com/global or kansasauctions.net/kretz for many pictures, larger listing & additional information
LEO & SYBIL CONVERSE ESTATE, SELLER
 Auction conducted by: **Kretz Auction Service (785) 630-0701**

 **GRASS & GRAIN**

Looking for an auction bill, hay prices or farm news?
 Subscribe to:

GRASS & GRAIN
 Call 785-539-7558
 or visit us ONLINE at www.grassandgrain.com

AUCTION
SATURDAY, JULY 30, 2022 — 9:30 AM
 Auction will be held at the corner of Hawley & Spencer in FORMOSO, KANSAS

CAR, MOTORHOME, TRUCKS

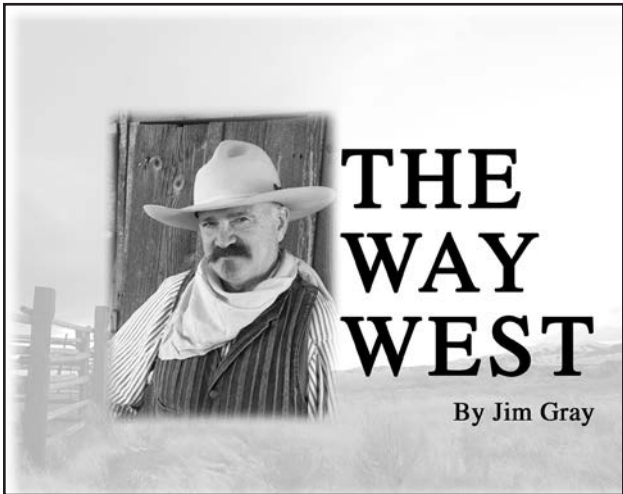
2003 Lincoln Town Car, 4 door, V8, 229,000 miles; 1990 Winnebago motorhome, 35' Chief-tain, inside good, 55,778 miles, 50 miles on tires, runs & drives good; 1961 GMC 4000 truck V6, 4 sp 2 sp, 15' bed w/roll over tarp w/hoist been setting; (2) 1960s C60 trucks, 15' beds, 6 cy, 4 speed, been setting; Dual loader w/grapple fork.

TOOLS, HOUSEHOLD, OTHER
 New Frigidaire 15 cu refrigerator; 1940s wood & electric cook stove; antique organ; 4 swivel kitchen chairs; 70s china cabinet; rocker; flat top trunk; 4-drawer file; end table; Pitney Bowes scale; Domestic sewing machine; new steel security cabinet; new lawn mower engine; new lawn mower in box; propane bottles; records; trash cans; new VCR; new fans; new kitchen appliances; new convection oven; Hepa cleaner; glass; Assortment new hand tools, sockets, squares, screwdrivers, circular saws; reciprocating saw; new 36" exterior door; new windows; new oil; car tires new & used; 4'x8' foam insulation; pallet mover; Werner 17' extension ladder;

Mastercraft 22" lawn mower; table saw; wood shelves; wash tub; new hanging lamps; water pump pressure tank; Schwinn mens bike; Yard Machine 42" riding mower; Yard Machine mini tiller; chain saws; dollies; garden hose; Bowflex treadmill; bench grinder; Eureka vacuum; stainless sink; tarps; caulk; trailer jacks; new floor jacks; loading ramps; benches; bicycle; rope; new boots; luggage; gas generator; rear hitch carrier; clear insulation; steel posts; new & used tin; **very large assortment of other items.**

NOTE: Warren has many new items. We will be selling 3 pieces of real estate and the contents of the homes. Check our website for pictures at www.thummelauction.com

WARREN L. HEINEN ESTATE
 Auction Conducted By: **THUMMEL REAL ESTATE & AUCTION LLC, 785-738-0067**



The Best That He Could Be

From the moment of his arrival in Kansas Territory from his former Iowa home Owen Abbot Bassett's course was directed in support of the free-state cause. He was a witness to the 1856 Sack of Lawrence, Kansas, by pro-slavery militia, an experience that led him to take up arms in the defense of freedom. He was commissioned Lt.

Colonel, riding at the head of the 2nd Kansas Cavalry in the campaign to drive the Confederate Army out of Missouri, also seeing action in Arkansas and Indian Territory. In all soldierly concerns and engagements Bassett considered every detail of military operations based in the intellectual foundation instilled by his

mother at a young age. His authoritative knowledge of military matters laid the groundwork for the profession that awaited at the close of the war.

Returning to Lawrence, Bassett resumed his law practice, prosecuting claims against the Government resulting from wartime events. After a few short years Bassett was elected district judge in 1868 whereupon he customarily became known as Judge Bassett. In 1876 he served as the first presiding officer of the Kansas Judicial Association. Bassett had been a Mason since 1864. In 1873 he was elected Grand Master of the Masons for Kansas.

Bassett moved to Salina to represent Crippen, Lawrence and Company in the loan business. Through both his legal and Masonic connections Bassett gradually became associated with affairs in Ellsworth, Kansas. When construction of the Ellsworth Masonic Temple was begun on December 23, 1887, it was Judge Bassett that laid the cornerstone. By June 1, 1894, he moved into a new office in the basement of Ellsworth's Central National Bank.

Judge Bassett barely had time to get used to his new surroundings when Ellsworth was struck by a terrible storm the after-

noon of June 18, 1894. For more than thirty minutes a strong north wind drove rain and hail through the town. Hailstones measured six to seven inches in circumference. Rushing waters carried barns, chicken coops, sidewalks, and outbuildings of every description from the high elevations above town into a grove of trees on the school grounds. Hundreds of dead chickens were among the debris.

From Third Street to the lower end of town water stood from one to four feet deep. Cellars and basement offices were completely inundated. Two large stone buildings at the corner of Second and Douglas collapsed. At the Central National Bank Judge Bassett's office was completely inundated. His "fine library and all his papers," including his very first case, was lost.

The unfortunate loss couldn't keep the Judge from making his appointed rounds. In the coming weeks the papers of Ellsworth, Salina, and Topeka carried notices of his travels in regard to his Masonic responsibilities. As one would expect, in spite of his loss, Judge Bassett carried on with his usual sunny outlook on life.

Bassett's gregarious nature was evident July 16, 1895, when his wife hon-

ored her husband with a 61st birthday party. Celebrations were often great affairs in those days. Invitations stated that guests were expected at 2:30 p.m. Tuesday at the Ballou House, a local hotel. Supper was to be served at 7:30. Guests were expected for breakfast at 9 a.m. the next morning. Besides a large number of local callers, visiting guests included friends from Salina and Kansas City.

Five months later intense foot pain plagued the Judge to such a degree that his condition made the December 5, 1895, edition of the *Ellsworth Reporter*. By December 26th, his brother Doctor Charles Bassett of Chicago felt compelled to come to Ellsworth. Along with Drs. Hissem and O'Donnell it was decided that due to the spread of gangrene the only hope of prolonging the Judge's life was that of amputation. The surgery was performed at Christ's Hospital at Topeka on December 31st.

By February 16, 1896, he was welcomed home to Ellsworth "and tenderly assisted... to his residence." He rallied quickly and soon resumed work, but suffered a setback when his good leg became "similarly afflicted." Doctors decided not to operate. Even so, Judge Bassett

traveled to Topeka for a pending case before a U. S. court in Leavenworth.

Sunday July 19, 1896, the Judge and his wife enjoyed the morning sitting on their front porch. Just before noon Mrs. Bassett left him for about fifteen minutes. When she returned she found that he had quietly passed away. Only days before Judge Bassett had just celebrated his 62nd birthday. His body was ceremonially taken to Lawrence by train. The Masonic orders of the city and the local members of the bar were present when the train came in. There were so many friends of the family present that short services were held at the depot, after which the remains were taken to Oak Hill cemetery.

The *Lawrence Daily Journal* recorded, "Judge Bassett was possessed of bold and masterful traits of character, as was widely known in the brave and stirring days of Kansas life and history," Men like Judge Owen Abbott Bassett made Kansas what it became, and Kansas made men like Bassett the best that they could be on The Way West.

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



Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

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

TOTAL FOR THE WEEK: CATTLE 1,653.

**BULLS: \$110.50-\$120.50
COWS: \$84.50-95.00**

STEERS

400-500	\$190.50 - \$200.00
500-600	\$180.00 - \$191.00
600-700	\$182.00 - \$193.00
700-800	\$173.00 - \$183.50
800-900	\$166.50 - \$177.25
900-1,000	\$155.00 - \$166.50

HEIFERS

300-400	\$158.00 - \$169.00
400-500	\$165.50 - \$175.00
500-600	\$160.00 - \$171.00
600-700	\$163.00 - \$172.50
700-800	\$158.50 - \$169.10
800-900	\$153.50 - \$165.85
900-1000	\$134.50 - \$145.00

MONDAY, JULY 18, 2022

CALVES

3 blk Salina	257@535.00
1 bwf Salina	220@500.00
1 bwf Hillsboro	205@485.00
4 blk Salina	234@460.00
1 blk Salina	265@410.00
2 blk Randolph	78@160.00

BULLS

1 blk Pretty Prairie	2215@120.50
1 Red Lindsborg	2200@116.50
1 blk Lindsborg	1970@115.50
1 blk Lindsborg	1940@111.50

COWS

1 blk Miltonvale	1540@95.00
1 blk Miltonvale	1855@94.00
1 blk Minneapolis	580@94.00
2 Red Pretty Prairie	1550@94.00
2 blk Salina	1615@93.50
5 blk Hutchinson	1527@93.00
1 Red Delphos	1620@92.00
2 mix Salina	1498@90.00
6 mix Miltonvale	1551@88.00
1 blk Canton	1675@88.00
1 blk Tescott	1550@86.00
1 blk Lincoln	1565@85.00

THURSDAY, JULY 21, 2022

STEERS

3 blk Newton	450@200.00
6 blk Salina	420@200.00
1 blk Aurora	435@200.00
1 blk Salina	435@196.00
11 blk Ada	685@193.00
6 blk Newton	548@191.00

2 blk Canton	498@190.00
1 blk Canton	630@190.00
4 blk Inman	561@190.00
5 blk Salina	681@187.00
4 blk Pretty Prairie	690@185.00
11 blk Inman	605@185.00
9 blk Pretty Prairie	723@183.50
63 blk Mahaska	778@183.10
12 RdMx Lincolnville	615@182.00
3 RdMx Lincolnville	570@182.00
5 blk Salina	615@181.00
2 blk Ada	590@180.00
60 blk Mahaska	875@177.25
6 mix Aurora	688@176.00
11 blk Ada	757@175.00
16 blk Salina	740@174.00
60 blk Centralia	888@172.75
1 bwf Newton	735@170.00
22 mix Barnard	863@167.25
8 blk Pretty Prairie	858@166.50
12 blk Randolph	901@166.50
17 blk Salina	827@165.00
54 mix Centralia	960@164.25
4 blk Hillsboro	840@164.00
110 mix Centralia	1004@161.00
2 blk Ada	908@160.00
2 blk Randolph	998@149.00
4 mix Hillsboro	966@140.00
1 Char Centralia	1140@130.00
3 blk Mahaska	1048@115.00

HEIFERS

5 blk Newton	483@175.00
6 blk Canton	605@172.50
2 blk Aurora	563@171.00
3 blk Canton	547@170.00
2 blk Pretty Prairie	518@170.00
18 mix Randolph	751@169.10
2 blk Newton	385@169.00
25 blk Whitewater	739@167.50
2 mix Aurora	468@166.00
62 mix Whitewater	819@165.85
3 blk Gypsum	613@165.00
11 blk Salina	610@165.00
9 blk Randolph	672@164.50
2 blk Aurora	688@164.00
69 mix Canton	826@163.85
32 mix McPherson	782@163.50
7 mix Randolph	757@163.50
1 blk Newton	705@161.00
42 mix Randolph	851@160.00
28 blk Salina	747@158.75
16 blk Barnard	848@156.25
37 mix Canton	816@156.00
65 mix Canton	898@156.00
2 Red Wilsey	788@155.00
6 Red Whitewater	819@155.00

Livestock Commission Co., Inc.

Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY
Hogs sell at 11:00 a.m. on the 2nd & 4th Monday of the month.
Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD

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

CATTLE USA.com LIVE CATTLE AUCTIONS

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

REMINDER!

Get your Horse Sale & Colt Sale CONSIGNMENTS IN!

21 mix Abbyville	772@152.00	10 blk Randolph	999@145.00
5 mix Wilsey	732@151.00	5 blk Hillsboro	961@140.00
8 mix Lorraine	701@147.00	2 blk Wilsey	963@135.00

EARLY CONSIGNMENTS FOR THURSDAY, JULY 28:

370 blk str, 825-875, off grass; 130 red Ang str, 900-925, off grass; 184 blk str, 850-950, off grass; 88 blk, str & hfrs, 650-700, home raise, vacc.; 275 hfrs, 725-825, native, off grass, open; 12 str & hfrs, 550-650, home raised, weaned 6 weeks; 60 blk str & hfrs, long time weaned, off grass, 2 round vacc., open; 60 blk str, 900-925, off brome; 100 red Ang, bulls & hfrs, 400-550, 2 round vacc., off cow, open; 250 blk/bwf str & hfrs, 600-700, vacc.; 50 blk/bwf str & hfrs 600-700, vacc.; 9 blk hfrs, 700-850, home raise, long time weaned, off grass; 30 red/blk str, 600-950, home raised, long time weaned, off grass, vacc.; 75 mostly blk, str & hfrs, 500-700, home raise, vacc.; 10 hfrs, 800, long time weaned, open; 59 str, 850-900, off grass; more by sale time.

MORE BY SALE TIME.

SPECIAL COW SALE!!!

TUESDAY, AUGUST 9, 2022

Fall Bred Cows, Fall Bred Heifers, Cow Pairs, Heifer Pairs

17 blk hfrs, bred Ang, calving September 7 for 60 days, home raised; 80 Ang hfrs, bred Ang bulls, calving September 1 for 60 days; 49 blk & red Ang, 3-5 year old, bred red Ang or Sim/Ang, Sept/Oct. calvers; 48 blk, 3 year old, bred LBW Sim/Ang bulls, calving Sept 1 for 60 days, Wyoming origin, hot wire broke; 30 red & blk, 3-4 year old, bred to Walrod Sim/Ang bulls, Sept/Oct calvers; 15/15 red & blk pairs, 3-5 year old; 40/40 blk pairs, mostly 3-4 year old, blk calves, worked; 40 blk cows, 3-5 year old, fall bred, bred blk Northern origin; 125 blk/bwf cows, 3-7 year old, bred Stafford Ang or ND Ang, calving Sept 7 for 60 days; 70 red & blk cows, 3-5 year old, bred BarS char, calving Sept. 1 for 70 days; 40 blk/bwf, 3-6 year old, bred blk & red Ang; 45 red Ang, 3-6 year old, bred Zerr red Ang, calving Aug 15; 180 blk/bwf cows, 4-6 year old, bred Ang, calving Aug. 10 for 65 days; 24 blk & red cows, 3-4 year old, fall bred, bred Sim/ang; 25 blk/red/char cows, 3-10 year old, fall bred, bred to red Ang; 100 blk hfrs, OCHV'd, bred to proven LBW Sim/Ang, start calving August 20th for 60 days, gentle, off grass; 4/4 registered Ang cow pairs, 5-7 years old, all worked & vaccinated, registered Ang May calves;

MORE BY SALE TIME.

IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- Heavy Duty Feed Bunks

For Information or estimates, contact:

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

Jim Crowther 785-254-7385 Roxbury, KS	Lisa Long 620-553-2351 Ellsworth, KS	Cody Schafer 620-381-1050 Durham, KS	Kenny Briscoe 785-658-7386 Lincoln, KS	Kevin Henke H: 785-729-3473, C: 785-565-3525 Agenda, KS	Austin Rathburn 785-531-0042 Ellsworth, KS
---	--	--	--	---	--

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

Check our listings each week on our website at www.fandrillive.com