



## Fall harvest puts the whole family to work

By Lucas Shivers

The Jess and Laryce Schwieterman family farms mostly dryland crops in southwestern Kansas with a busy fall harvest in store.

"We have everyone out in the fields helping out this time of year in fall," Jess said. "We started the fall harvest this year in late September. We're drilling wheat first since we have moisture and working at it real hard."

The Schwieterman family lives in Hamilton County west of Garden City.

"It's usually pretty lonely and quiet out here," Schwieterman said. "We're actually a progressive area with a great school system and lots of dairies. It's a good thing to help keep everything going. They keep the corn base and demand positive just down the road."

The farm faces similar shortages in labor as other regions.

"We have a couple young guys who work with us," he said. "Casey Hatcher and Kyle Depree, who will have his first child any day, are both local guys who help out with us. We need more people but without them, we couldn't do it."



Jess and Laryce Schwieterman are drilling wheat and harvesting fall crops in Hamilton County.

"We also add in part-time harvest help from extended family, aunts, uncles, cousins, boyfriends of cousins, and other local part time help. It takes a lot of people to get it all done."

### Family First

Schwieterman grew up on a farm in the area with cattle and irrigated alfalfa.

"Now, we're a dryland crop operation with only two pivots," he said. "We've farmed here since 1997. It started out pretty good to start out with

around 3,000 acres with leased equipment and built from there."

Jess and Laryce met at KSU as students in the early 1990s.

"I was an animal science major thinking about the cattle business or feed yard," he said. "We had the opportunity to work with a neighbor starting out in 1995. Laryce moved out a few years later, and after we got married, we were able to start with our own crops."

After being an office manager for the local John



12-year-old Avery Schwieterman loves riding in the combine during harvest, and equipping it with a wheelchair lift in the near future is a priority for her parents. *Courtesy photos*

Deere dealer, Laryce came back to the farm and now manages the farm office and volunteers in many capacities at their local church.

Their daughter Avery has cerebral palsy and is in a wheelchair. She's 12 years old and loves country music, especially Jason Aldean, Luke Bryan and Morgan Wallan.

"She loves to ride in the combine," Schwieterman said. "She absolutely loves to do it. This winter I hope to build a chair lift. It's got to get done."

### Harvest 2023

Schwieterman said the harvest looks decent for the area this year.

"Our goal is 75-100 bushels to the acre of corn if the August heat waves didn't get us," Schwieterman said. "We've had some issues with sugarcane aphids in the sorghum so it's the first time we've had to spray for those."

Most producers in the area lost about 55% of the wheat crop last winter since it never came up.

"So with an inch of moisture from mid-Sep-

tember, most of our fallow ground is looking good for the wheat this coming next year," Schwieterman said. "It's the easiest planting in the last few years."

Thanks to a really good rain in April, Schwieterman planted more fall crops planted either in wheat stubble or continuous corn.

"The rains helped," Schwieterman said. "We usually have a Wheat-Corn-Fallow rotation. With the failed wheat from last winter, we went into sorghum and continuous corn due to the weather contention."

Corn seems to be easier to keep the weeds controlled. It also cuts down on the evaporation to conserve water.

Schwieterman also grows and sells seed wheat.

"We joke that many newer farmers don't know how to set a drill with good moisture. The young guns have never seen it this good with the long-term drought," he said. "It's not as bad this year thankfully. It keeps us busy and on our toes. We have the new Kansas Wheat Alliance variety named Bill Snyder. If it works as hard as he did, we'll sell lots."

## Landowner conference to help with challenges of owning land in Kansas

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

In less than a decade, there has been a shift in land ownership trends in Kansas. "There is a growing demographic of landowners in Kansas that are becoming more geographically and generationally removed from agriculture," said Robin Reid, an agricultural economist at Kansas State University.

Reid cites data from 2015 indicating that 85% of Kansas land was owned by people living in the state. Research is ongoing, she says, but in 2022, data suggests a notable shift in land being owned by people who live outside the state's borders.

"Some of that is due to inheritance and some of that is due to people purchasing land - especially hunting ground," Reid said. "But we also know the No. 1 question in our county Extension offices across the state is from landowners wanting to know the going rates for land leases and information on Kansas lease law."

Reid said K-State is hosting the first-ever Kansas Landowner Conference on Nov. 10 to address challenges related to land ownership in Kansas. She notes that in addition to helping landowners build networks and learn about land management, the program includes information on:

- Agricultural land market conditions.
- Land lease management.
- Property tax regulations.

Registration is available online through Nov. 1. More information and the conference schedule is available at [www.AgManager.info/Landowner](http://www.AgManager.info/Landowner).

"There is so much that we want to emphasize about having a good relationship between a landowner and their tenant," Reid said. "Open communication and getting a lease in writing will help to streamline the process of managing a land lease and avoiding conflict."

Ashlee Westerhold, director of the Office of Farm and Ranch Transition in K-State's Department of Agricultural Economics, will also be presenting during the conference. She said that two in three - 66% - Kansas farms are owned and operated by someone age 55 or older.

"So if you think about that," she said, "in the next 15 years as landowners head towards 70 years old, they will be retiring or thinking about transferring land. We're going to see a huge wave of ownership transfer from one generation to the next."

In her current role, Westerhold said she works with many families who are inheriting farmland while living in Kansas City, Wichita or other large cities.

"They do not necessarily have plans to come back to the farm, but they want to keep ownership," she said. "And it's important to have conversations about transition and succession even though these children might not live on the farm someday. We're helping them become better landowners once they inherit the farm."

More information on land-related issues also is available from the K-State Department of Agricultural Economics website, [AgManager.info](http://AgManager.info).



Corn being harvested in Brown County between Morrill and Fairview.

*Photo by Kevin Macy*

## Fall harvest timeline ahead of average

For the week ending September 24, 2023, there were 6.0 days suitable for fieldwork, according to the USDA's National Agricultural Statistics Service. Topsoil moisture supplies rated 27% very short, 40% short, 32% adequate, and 1% surplus. Subsoil moisture supplies rated 34% very short, 41% short, 25% adequate, and 0% surplus.

Field Crops Report: Winter wheat planted was 18%, equal to last year, and near 22% for the five-year average. Emerged was 4%, near 3% last year and 5% average.

Corn condition rated 16% very poor, 19% poor, 32% fair, 27% good, and 6% excellent. Corn mature was 87%, ahead of 70% last year and 74% average. Harvested was 38%, near 34% last year, and ahead of 29% average.

Soybean condition rated 20% very poor, 29% poor, 31% fair, 18% good, and 2% excellent. Soybeans dropping leaves was 68%, ahead of 51% last year and 49% average. Harvested was 11%, near 8% last year, and ahead of 4% average.

Sorghum condition rated 12% very poor, 18% poor, 37% fair, 29% good, and 4% excellent. Sorghum coloring was 90%, ahead of 83% last year, and equal to average. Mature was 45%, ahead of 32% last year and 36% average. Harvested was 11%, ahead of 4% last year and 5% average.

Cotton condition rated 5% very poor, 18% poor, 44% fair, 30% good, and 3% excellent. Cotton bolls opening was 89%, well ahead of 60% last year and 49% average. Harvested was 1%, near 2% last year, and equal to average.

Sunflowers harvested was 11%, ahead of 1% both last year and average.

Pasture and Range Report: Pasture and range conditions rated 22% very poor, 29% poor, 36% fair, 12% good, and 1% excellent.

## Rep. Mann outlines Farm Bill priorities at Ag Outlook Forum

U.S. Representative Tracey Mann (KS-01) spoke at the ninth annual Ag Outlook Forum. Co-hosted by Agri-Pulse Communications, Inc. and the Agricultural Business Council of Kansas City, the Ag Outlook Forum is the premier ag-related, pre-harvest season event and invites economic, policy, and business officials to share current outlooks.

"Reauthorizing a strong Farm Bill will protect the future of American agriculture," said Mann. "Producers are currently faced with tremendous uncertainty, markets are vola-

tile, interest rates have skyrocketed, input prices are at an all-time high, the federal government is over-regulating rural America, and Mother Nature is a fickle business partner. We must get this Farm Bill right and Congress must address the challenges that farmers, ranchers, and agricultural producers face. I am fighting for a modern safety net that includes robust crop insurance, strong trade agreements and trade promotion policy, and provides rigorous oversight for an out-of-touch administration that just doesn't



Rep. Tracey Mann discussed importance of reauthorizing the Farm Bill in the midst of volatile markets, rising interest rates and high input prices.

understand farm country." In his remarks, Mann discussed the importance of:

- Strengthening and maintaining the public-private partnership of crop insurance
- Bolstering trade promotion programs like the Market Access Program and Foreign Market Development Cooperator Program
- Eliminating overly burdensome regulations like President Biden's Waters of the U.S. rule and the Farm Killer capital gains tax
- Investing in agricultural innovation and research at land-grant universities and other partnerships across Kansas and the country

"Fighting for Kansans in the Big First is my top priority as I advocate for agriculture and our conservative Kansas values," Mann said. "When you roll

up your sleeves, get into the middle of difficult issues, and carefully listen to stakeholders, you get a better perspective and end up with better legislation. As we continue to craft the next Farm Bill, I will do everything I can to make sure producers have a bill that represents their needs as they feed a hungry world."

**Due to the Columbus Day postal holiday, delivery of the Oct. 10 Grass & Grain will be unavoidably delayed. Thank you for your understanding.**



## How The Farm Bill Protects Everyone

By Glenn Brunkow,  
Pottawatomie County  
farmer and rancher

This has been a tough year; there is no way around it. Rain did not come at the right times and our crops reflect that. Couple that with declining crop prices, rising interest rates and the increasing cost of inputs: things sure are tough on the farm. Without crop insurance, this year would have been disastrous. For many of us the same could have been said for several of the past years. Crop insurance is truly our safety net in agriculture.

That is why protecting crop insurance and other risk management tools is so important in the upcoming farm bill. Agriculture and food security are paramount in the future of our nation. A hungry nation is not a secure nation, and American farmers and ranchers have done their

*"We need to accept that we won't always make the right decisions, that we'll screw up royally sometimes - understanding that failure is not the opposite of success, it's part of success."*

--Arianna Huffington

part in providing that food security. Crop insurance is vital to future of agriculture in the United States as it provides a bridge over troubled waters for ag producers.

As farmers we plant our crops not knowing what the weather will throw our way each year. We don't know what prices we will receive at harvest. Still, we plant with the hope the weather and markets come through for us. We feel a duty to push on through all that uncertainty because we have a calling to feed a hungry world. We do so on razor-thin margins. The vast majority of farms and ranches are family owned and have been for many generations. Agriculture is not only the heritage of families like mine, but the heritage of the United States itself.

While crop insurance is our No. 1 priority and critical to farmers and ranchers, other portions of the farm bill are critical also. Funding for conservation work helps to ensure that we protect our air, soil and water. Those of us in agriculture are the biggest proponents of preserving our critical natural resources, and we are constantly working on new methods of protecting the environment around us.

The funding for projects and technical expertise is vital to allow us to implement conservation measures. Without this

help many projects like improving waterways or using cover crops to reduce erosion may never be implemented. It should also be pointed out that farmers and ranchers protect the natural resources around them while increasing their productivity and lessening inputs on the lands they have been entrusted with.

Funding for research through our land grant universities and the United States Department of Agriculture is also of critical importance. Agriculture in the U.S. has always been on the leading edge of technology and that is even more critical as we work to feed a growing population. The work done to discover and develop new technology and methods has been a hallmark of our research and Extension services and funding is more important than ever.

As my good friend, Ben Boyd from Georgia said, "If you don't like being dependent on foreign oil, you really won't like being dependent on foreign food." That statement was true several years ago when Ben said it on national TV, and it is just as relevant today.

The farm bill, crop insurance, conservation measures and research are critical pieces in the foundation of American agriculture, and because of that, our nation's food security. The farm bill is not only for farmers and ranchers but for all who eat in the United States.

"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.

## National poll shows Americans want a domestic food supply

American farm families feed, fuel, and clothe America. A new survey from the American Sugar Alliance shows that American voters recognize the importance of agriculture and want Congress to prioritize American farmers in the next Farm Bill, provide them with a strong and reliable safety net, and protect them from foreign entities that could displace American farmers and workers and disrupt our national food supply.

Nearly two-thirds of voters asked in a national survey said that the domestic food supply should be less dependent on foreign suppliers. This result cut across political affiliations and geographical regions. That's no surprise, considering food security is national security.

When it came to the sweet question of where Americans choose to buy their sugar from, eight times as many voters preferred American-made sugar compared to those who preferred imported sugar.

That's because sugar in the U.S. is grown by 11,000 family farmers who raise

sugarbeets and sugarcane. In turn, those crops and U.S. sugar production help support over 151,000 workers in more than two dozen states. The U.S. sugar industry adheres to labor, environmental, and safety standards far beyond those of most foreign suppliers while receiving no direct payments from the U.S. government.

"The results of this national survey demonstrate the strong voter sentiment in favor of the U.S. sugar industry and the need for Congress to support our farmers and workers in the Farm Bill. Clearly, voters value domestic sugar production and don't want to depend on foreign suppliers for an essential food ingredient," said Cassie Bladow, chairwoman of the American Sugar Alliance.

Also notable is that 71% of voters support U.S. sugar policy because it keeps sugar affordable and ensures a reliable domestic supply of an essential ingredient, as well as protects farmers, at no cost to the American taxpayer.

House Agriculture Committee Chairman G.T. Thompson said it best: "Our U.S. sugar industry is

all family-owned - so are we going to support foreign families or American farm families?"

Sugar crops are just two of the hundreds of crops farmers grow every day to feed our families. American voters have made it clear they support our farmers, so Congress must do the same by investing in our farmers and providing a robust farm safety net.

Between this revealing data and the powerful testimonials from U.S. sugar farmers, it's clear that Americans know that food security is national security - and Congress must support our farmers and workers by strengthening the upcoming 2023 Farm Bill and providing a robust farm safety net.

Members of Congress from both sides of the aisle agree: Food security is national security. The importance of agriculture is an issue that unites us. As Rep. Jasmine Crockett (D-TX) said, "Ag is that one thing that while most people may think that it is only rural, it affects all of us. It is rural, it is urban, it is who we are in this country."

## Gensler says Scope 3 rule won't require private farmers' emissions data

According to Reuters, Securities and Exchange Commission (SEC) Chair Gary Gensler told the Senate Banking Committee his agency was working to craft coming regulations so that they spare privately held farmers from having to report their climate emissions when selling products to public companies.

"It is not the Commis-

sion's intent to have farmers or ranchers in Montana or any other state... report on goods they sell to publicly traded companies," Gensler said in response to questions from Sen. Jon Tester (D-Mont.).

Under the proposal issued last year, publicly traded companies would have to disclose not only the emissions generated by their own operations

and from the energy they consume but also so-called supply chain or "Scope 3" emissions from a company's suppliers and consumers. This would include disclosure of carbon emissions, weather-related risks and transition costs tied to climate change. The Scope 3 proposal has drawn stiff resistance from industry, which says it is loosely defined and costly to monitor, among other objections.

Agency officials had already said buyers of agricultural produce, who are subject to SEC rules, could likely estimate the emissions associated with the purchase. "We've heard comments from you and from others that that wasn't good enough," Gensler said. "That's what we're looking at about how we can find an appropriate path forward."

As he has previously, Gensler also resisted calls to state when the final version of the climate rule would be issued. "It's really when the staff is ready and the commission is ready," he said, noting that the commission had received a large volume of public comments on its proposal. "I don't want to predict this one."



We have been dry for a while now. The pastures are drying up, water is short, and hay is precious. I had planned on having rye flown on to my corn with the utopian idea of knee-high grazing among the cornstalks. All I can say is the plan was good, but the execution left a lot to be desired. It seems like just a few months ago the long-range forecast was for the La Nina or the El Nino or whatever patter we are in to change into a wet cycle. Well, I am still waiting.

I know I shouldn't be this way but the weatherman talking about how we are going to have another beautiful, warm, dry fall weekend makes me want to throw something at the tv. Some of us would like a cool wet weekend, heck, at this point I would just take wet. Even among those of us in the ag world we can't agree. I had another producer, who was knee deep in harvest, tell me how great the weather was. My harvest is on pause, so a little rain would be great. I guess that is selfish of me.

I also find it funny how much more superstitious I get as it gets drier. Last week I was planting rye. Yes, this is the same rye I was going to have flown on but when it is that dry and hot dropping seed out of the sky didn't seem like a good idea. I am not sure why planting it into the same dry ground seems like a better idea, I guess that is farmer logic. In any case, I was planting rye when the drill broke down. I might add that it broke down with about a half an acre to plant in the field.

I needed some machining work done on the drill and we had our best chance of rain in quite a while that night. I have to admit that I was giddy. After all, the drill was broken down in the field, a half-acre from being done with a near certain chance of rain for the next two or three days. That is about as promising as it gets. I might also add that during the time the drill was out of commission a tire also went flat. That night Jennifer and I met a friend for dinner and on the way home I remembered I had not closed the back window on the tractor. Jennifer

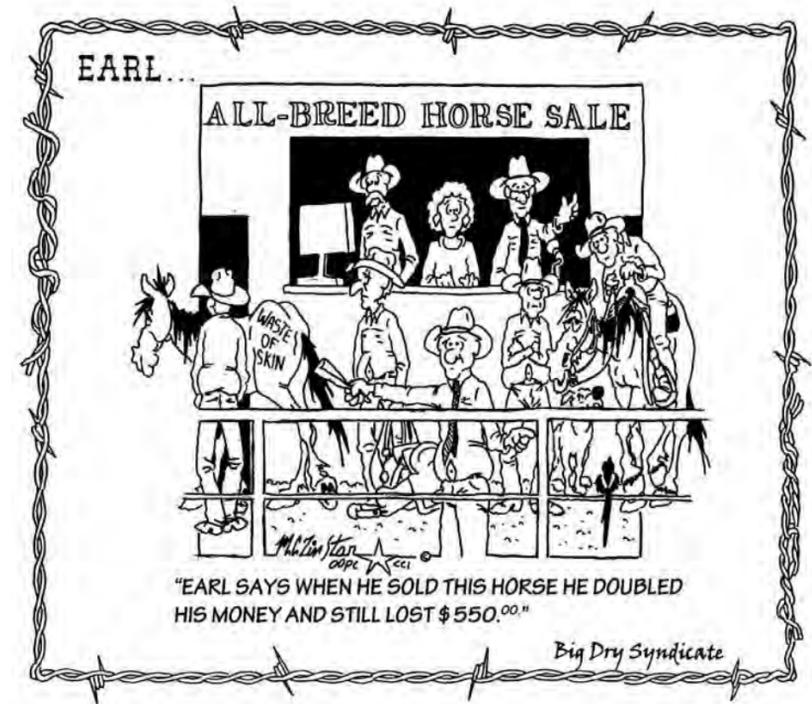
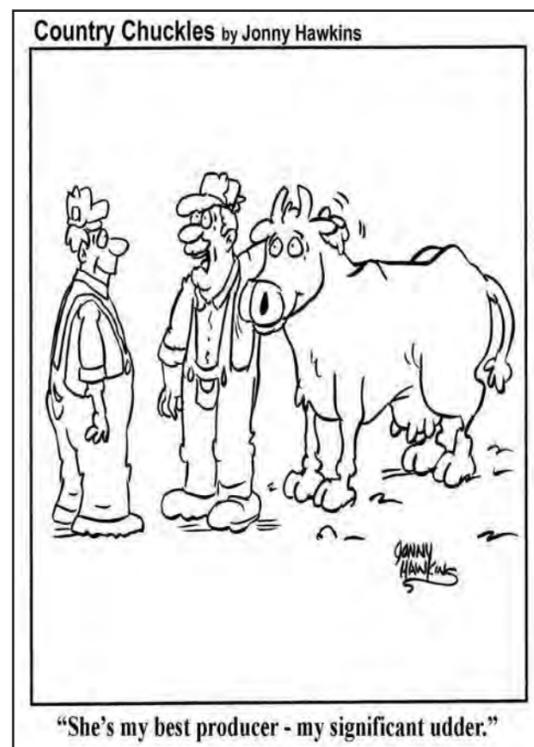
asked if I wanted to swing by on the way home and close it.

My response was if I did that, I might scare the rain away. The longer the dry spell, the less any sort of common sense can be attributed to any of my actions. That night I was awoken to the sound of rain on the roof, and I was quite proud of all of my decisions to bait the rain in. That morning I awoke to more rain, and I was feeling pretty smug. Then I watched the weather. The mornings rain would dry up along with the chance for the next couple of days. We did get about an inch out of the storm and believe me I was grateful for anything.

However, that left me with a broken drill, flat tire, and a wet seat and very little else to show for it. I guess if I had been thinking I would have left clothes out on the line, the windows down in the pickup, feed on the back and washed the car. If you are going to go partially superstitious you should go full crazy. I don't know if I have every been as excited about a break down or as disappointed with an inch of rain, ever.

Deep in the back of my overburdened brain, I know that open windows, broken down machinery and partially planted fields don't make any difference on the chances of getting rain. I guess it is just my misguided notion of trying to have some control over a frustrating situation where I have absolutely no control. The rains will come on God's time and not mine and all I can do is have faith that someday it will once again rain.

We did get enough rain that the rye I had planted is sprouted and hopefully in the near future we will have more rain so it can continue to grow. In the meantime, I just need to relax and enjoy the weather. I think the biggest part of living a happy life is the ability to be happy no matter what the situation is. It is something I am not very good at but fortunately the Good Lord gives me plenty of practice. Just know that the next best chance of rain will be in a week or so when my harvest will be ready to resume again.



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# Ellsworth to be site of 150th cattle trail celebration

HEAD 'EM UP! Those three words were heard most above the bawling of the Texas Longhorn cattle across the southern plains of Texas in 1873.

Now in 2023 Ellsworth, Kansas is bringing the whole herd to town. A concert by R.W. Hampton, the 2023 Chisholm Trail Conference and the Ellsworth Cattle Trail Sesquicentennial will all take place in Ellsworth in one weekend, October 19 through 22, 2023.

Ellsworth will be the site of the grand commemoration of the 150th Anniversary of the Ellsworth Cut-Off from the Chisholm Trail. "Mark your calendar for October 20 for the ICTA 2023 Chisholm Trail Conference and more," said D.R. Katzenmeier, president of the International Chisholm Trail Association. The conference will include speakers Wyatt McCrea, Ken Spurgeon, Michael Grauer, Hampton, Deb Goodrich, Ron Wilson, and others. A Friday night concert will feature four-time Academy of Western Artists Male Vocalist of the Year Hampton. To register, go to [www.chisholmtrailassn.com](http://www.chisholmtrailassn.com).

On October 21, the Ellsworth Cattle Trail Sesquicentennial will feature Tallgrass Express String Band, and other cowboy performers, poets, historic presentations, re-enactments, art and more. On Sunday, October 22, a Cowboy Church service will be held with Hampton.

The kick-off event of the 150th anniversary of the Ellsworth Cut-off of the Chisholm Trail was April 15, 2023, at the Kansas Pacific Railway Stock Yards, Ellsworth County Historic Museum, Ellsworth. A historic marker was placed at the location of the Stock Yards of the Kansas Pacific Railway in Ellsworth. The dedication was held at the site, followed by a reception and cowboy poetry and trail songs at the Ellsworth County Historical Museum. The event was hosted by the International Chisholm Trail Association and the National Drivers Hall of Fame Association.

A second commemorative event will be at Pond Creek, Oklahoma at the historic Sewell Ranch. This is

where the Ellsworth Cattle Trail split off from the old Chisholm Trail on its way to the new railhead. A historical marker will be placed at that location as well. Date to be announced.

In 1873, this new chapter in the saga of the great Texas cattle drives had emerged. By May 28, herds of Longhorn cattle ranging from two to up to ten thousand head per herd were reported to be headed up the Ellsworth Cut-Off, sometimes called the Cox Trail. The trail would be described as one long herd of cattle from Indian Territory to the Ellsworth Depot. Ellsworth became known widely as "The Longhorn Metropolis."

"Join our outfits by going to [www.chisholmtrailassn.com](http://www.chisholmtrailassn.com) and click on "Chisholm Trail Conference" for more information," Katzenmeier said. "Then Head 'em up and move 'em out to Ellsworth for the rip-roarin' time of your life."

## Kansas Soybean Commission calls for novel project proposals, highlights water as industry priority

Research into building next-generation batteries enabled by soybean hulls, breeding climate resilient soybean traits and battling the invasion of yield robbers is made possible by the checkoff dollars of Kansas soybean farmers. The farmer-led board of the Kansas Soybean Commission meets every December to determine how to best put checkoff dollars to work on research and industry growth.

To prepare for the vital December meeting, KSC opens the request for proposal process and invites principal investigators and industry organizations to submit projects for funding. Commissioners determined in September which industry priorities projects should align with, and the scope of possibilities is broad.

"The guidance on the priorities for researchers is going to be similar to what it has been in the past with the addition of water and how to deal with extreme weather and climate issues," Ed Anderson, KSC research consultant, says.

Commissioners identified water as a key concern among soybean growers. Anderson says projects on water may encompass its management, use efficiency or inclusion in breeding programs through heat, drought or flood tolerance. Other production research priorities include developing best management practices for an array of growing conditions and studying the best tools to protect crops from diseases and insects.

"The new use projects are always going to be of interest," Anderson adds. "Any project that is going to drive new market opportunities and expand the soybean market is valuable. There is always research there - Kansas has invested in pet food nutrition, enhanced livestock feed rations and renewable fuels."

Projects aligned with the value-added and market development priorities may study soybean meal and protein utilization, human nutrition and soy food perception or alter-

native uses of soybean components, or promote agricultural knowledge.

"I believe the future is very bright for continued research in the production and supply space, as well as connecting the market demand opportunities with that supply," Anderson shares.

The current request for proposals seeks projects for the 2025 fiscal year, which runs July 1, 2024, to June 30, 2025. Following the October 18 proposal deadline, Commissioners select project leads to present at the December

14-16 meeting in Topeka.

For more information about the RFP, Commission activities or checkoff value, contact KSC Administrator Kaleb Little by calling the office at 785-271-1030. Interested individuals may also visit [https://url.avanan.click/v2/\\_\\_\\_www.kansassoy-](https://url.avanan.click/v2/___www.kansassoy-)

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# GRASS & GRAIN Our Daily Bread

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

## Jackie Doud, Topeka, Wins Weekly Grass & Grain Recipe Contest

Winner Jackie Doud, Topeka:  
3-INGREDIENT APPLE CAKE

1 box spice cake mix  
20-ounce can apple pie filling  
4 eggs  
Set oven to 350 degrees. Spray 9-by-13-inch pan. Combine all ingredients and pour into pan. Bake 30-35 minutes.  
\*\*\*\*\*

Carol Nelson, Topeka:  
"Delicious soup for cooler, fall nights."

**SANTA FE SOUP**  
1 can pinto beans, undrained  
1 can Ro-tel tomatoes, undrained  
1 can diced tomatoes, undrained  
1 pound Velveeta cheese  
1 pound ground beef, browned with 1 medium chopped onion  
Brown meat and onions. Drain well. Return meat and onion mixture to large skillet. Add remaining ingredients. Do not drain juice from cans as you add the tomatoes and beans. Simmer on low heat until cooked through. Do not boil.  
\*\*\*\*\*

Rose Edwards, Stillwater, Oklahoma:

**MEATBALLS**  
2 finely chopped onions  
2 teaspoons butter  
1 pound ground beef  
1 1/2 cups bread crumbs  
2 eggs  
1 teaspoon sugar  
Dash salt & pepper  
1/2 teaspoon allspice  
1/2 teaspoon nutmeg  
2 tablespoons finely chopped parsley  
1 1/2 teaspoons water  
Saute onion in 2 teaspoons butter then mix remaining ingredients together with onions and form into small balls. Brown and cook in the same skillet you sautéed onions in. Add a little more butter, moving meatballs

around to cook until done.  
\*\*\*\*\*

Kellee George, Shawnee:  
**BACON DIP**

1 cup grated Cheddar cheese  
1/2 cup mayonnaise  
1/4 cup slivered almonds  
1/4 cup finely chopped green onions  
1 package Hormel Real Bacon pieces  
Mix all ingredients. Put in a container and refrigerate overnight. Serve with crackers, chips or vegetables.  
\*\*\*\*\*

Millie Conger, Tecumseh: "Good over cake."

**LEMON SAUCE**  
1/2 cup sugar  
2 tablespoons cornstarch  
3/4 cup water  
1 teaspoon lemon zest  
1/4 cup lemon juice

2 tablespoons butter  
Add sugar and cornstarch to a saucepan. Gradually add water; heat and stir to dissolve. Cook until it boils 1 minute, stirring constantly. Add remaining ingredients. Stir well. Let stand 30 minutes before serving.  
\*\*\*\*\*

Kimberly Edwards, Stillwater, Oklahoma:

**QUICK CRANBERRY SAUCE**  
2 cans whole cranberry sauce  
1 jar orange marmalade  
2 teaspoons orange juice  
1 teaspoon cinnamon  
1 teaspoon nutmeg  
1/2 teaspoon ground cloves  
In a large bowl mix all ingredients. Refrigerate until time to serve.  
\*\*\*\*\*

### Tips On How To Preserve Pumpkins This Fall When Using For Baking And Cooking

By Maddy Rohr, K-State Research & Extension news service MANHATTAN - It is October, which means pumpkins are everywhere, including in popular food and drink items.

When the popular fall treat is used for baking and cooking, Kansas State University food scientist Karen Blakeslee says sugar or pie pumpkins are the No. 1 choice.

"They are smaller than pumpkins used for carving festive jack-o-lanterns," Blakeslee said. "They have dense flesh and high sugar content. The flesh is less stringy and the color is usually darker."

When cooking, 1 3/4 cups of mashed fresh pie or sugar pumpkin can replace a 15-ounce can of pumpkin.

"Home canning is not recommended for any mashed pumpkin or winter squash. The only directions for canning these are for cubed pieces. Mashed products can be safely frozen," Blakeslee said.

Mashed pumpkin or winter squash has a thick density in mashed form which prevents adequate heat transfer to the center of the jar. Blakeslee warns of insufficient research to establish a single, safe processing time for mashed pumpkin or winter squash products.

"This can lead to under processing or uneven processing and harmful bacteria can survive after canning," Blakeslee said. She suggests freezing mashed pumpkin or winter squash as the safest method of preservation.

Some grocery stores sell sugar or pie pumpkins, but Blakeslee recommends looking for U-pick farms that grow pumpkins.

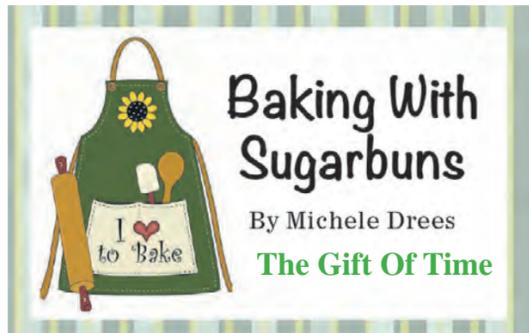
"Before cutting, always rinse with water and scrub the outside of the pumpkin to remove any dirt and debris. Check for damage to the rind such as soft spots or spoilage and remove those spots," she said.

Blakeslee, who also is coordinator of K-State's Rapid Response Center for Food Science, publishes a monthly newsletter called You Asked It! that provides numerous tips on food safety. More information is also available from local Extension offices in Kansas.

Links used in this story: Rapid Response Center, <https://www.rrc.k-state.edu>

Preserve It Fresh, Preserve It Safe, Vegetables <https://bookstore.ksre.ksu.edu/pubs/MF1181.pdf>

You Asked It! newsletter, <https://www.rrc.k-state.edu/newsletter>  
K-State Research and Extension local offices, <https://www.ksre.k-state.edu/about/statewide-locations.html>



## Baking With Sugarbuns

By Michele Drees  
The Gift Of Time

If there was one thing in this world that I wished we had more of, it would be time. Whether that would be a few extra minutes every day to get our to-do list done, or a few extra minutes with those we love, I just wish we all had more time. As I have gotten older, the reality of time has become very real to me. Between having to say goodbye to all my grandparents, to continuing to watch my nieces grow, it feels as though if you blink, you have missed valuable moments that you will never get back.

Being farther away from home, I am constantly reminded of just how important time is. When I make the trips back, the time always flies and before I know it, I have spent a whole day surrounded by some of my favorite people, making memories that will tide me over until the next visit. As seasons of life continue to change and evolve, I am yet again reminded of just how quickly time flies. As we approach one year of marriage, I am so thankful for everything this year has brought and I look forward to what is yet to come.

Recently I have also become more aware of the gift of time when it comes from a virtual stranger. First up, we have Judy. I met Judy about a month ago now. She was standing on the side of the road, talking into a drain. After stopping to see if she was okay, I learned her cat was scared to come out of the drain and he had been missing for three weeks. We spent the next three days together, eventually trapping her cat. Obviously, I am a cat person, but my favorite part of the whole adventure was time spent with Judy. She did not know me, I did not know her, but the world brings people together for crazy reasons, and clearly our paths were meant to cross. She recently invited me over to see her cat and to share some muffins. The muffins were amazing, but the time chatting with Judy resonated with me. Reminded me yet again that time is of the essence, and

we certainly should spend it doing things that make us happy, even if that is helping a stranger get her cat out of the drain.

Another gift of time recently has come from a co-worker. I was talking about my desire to learn how to make fluffy cinnamon rolls, and someone recommended that I reach out to Chris, who works down the hall. I did just that and she invited me to her home to teach me her methods. We spent the morning and early afternoon chatting, baking, and having the best time. She certainly did not have to open her home to me, nor devote hours of her day to teaching me her ways, but she did, and I felt so blessed and so honored to have had her generous gift of her time. We finished our adventure with lunch in Alma before I met my family along the interstate to hand off a pan of the most delicious cinnamon rolls.

No matter what, there will never be enough time to do all the things I want to do or see all the things I want to see, but I can assure you that I am making it a priority to spend my time doing the things that make me the happiest. When someone gifts me the gift of time, I strive not to take it for granted and to make the absolute most of it and I hope they find their gift well-loved and greatly appreciated.

As I officially step away from writing these columns, I want to thank you all for your time and for being on this journey with me. I have no idea what is next in life, but I look forward to whatever it might be.

Michele grew up in Junction City and graduated from Kansas State University. She worked in the restaurant management field and then as an office manager for a company that manufactures oilfield products. She is currently the payroll manager at Washburn University. 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](mailto:mcarlyon88@gmail.com)

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

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## Kansas Profile – Now That's Rural: Gwen Hendricks, Hendricks Hardware

By Ron Wilson, director of the Huck Boyd National Institute for Rural Development at Kansas State University

Staying power. That's important for any business, including those in small town Kansas.

Today we'll visit a rural community with a business – and a business owner – that has truly demonstrated staying power. This remarkable lady is operating this business at age 97.

Last week we visited Alma to learn about a resurgence of downtown businesses there, many of those businesses led by younger women. This week, we'll meet a woman who operates another downtown business in Alma, but – with all due respect – young she is not.

Gwen Hendricks is the long-time owner-operator of Hendricks Hardware, along with her family. In its 145 year existence, this store has had only three family owners.

Conrad Mueller built the building in 1878. He used the front half for a billiard hall and saloon and housed his family in the back.

In 1883, he converted the building to a hardware store. It prospered when the railroad came to town. Conrad's son, Gus, grew up in the business and eventually took over from his father. Gus operated the store for more than 50 years.

In north central Kansas, Marvin Hendricks grew up and went to high school with a young woman named Gwen. Gwen lived on a farm between the rural communities of Republic, population 82, and Webber, population 30 people. Now, that's rural.

Gwen and Marvin married and moved to a farm south of Alma in 1947.

In 1951, Marvin took a job working at the hardware



store. Owner Gus Mueller was looking to retire. Marvin soon bought the business and it became Hendricks Hardware.

"His doctor had told him to get off the farm and take it easy," Gwen said. "He came here and worked harder than he ever had before."

Marvin and Gwen had a daughter, Ann, and two sons, Larry and Don. When the young children got older, Gwen came to the store to help as well. Marvin expanded and diversified the business, doing plumbing, heating, and electrical work. Gwen served customers in the store and kept the books – as she is still doing today.

All three of the children helped with the business. Larry is now retired and Don has his own construction business which works well with the hardware store. Marvin passed away in 2012.

In October, Gwen Hendricks will turn 98 years old. She still operates the store daily and walks the two blocks to work each day.

Don's construction business uses computers, but Gwen's does not. "I don't know how to run a computer, and at this point, I'm not intending to learn," she said.

Bills are meticulously filled out and mailed by hand. Gwen has six grandchildren, eight great-grandchildren, and one great-great-grandchild.

She has seen incredible changes through the years.

"When we first started, freight came in on the train

and a drayman delivered the supplies around town," Hendricks said.

When was the last time you heard about a drayman? "The train would bring first class mail twice a day," she said.

Today, the Blish-Mize company of Atchison is their primary supplier. The hardware store continues to operate in its original stone building, which is the second oldest surviving building in the Alma downtown historic district.

The store offers a variety of hardware, toys and building supplies, plus household items, greeting cards, and more. Across the street, their warehouse houses lumber and other building materials.

In 2015, Gwen celebrated her 90th birthday with a party at the store. A Blish-Mize representative presented her a plaque. In 2022, Hendricks Hardware celebrated 70 years in business. "People say they appreciate us being here," Gwen said.

For more information, search for Hendricks Hardware on Facebook.

Staying power. It's a sign of commitment, adaptation and resilience, and it is an essential part of long-term business success.

We commend Gwen Hendricks and all those in the Hendricks family for making a difference with a deep and continuing commitment to serving their community. That is powerful.

And there's more. The local museum is undergoing a renovation – and in doing so, made an unexpected find. We'll learn about that next week.

Audio and text files of Kansas Profiles are available at <http://www.kansasprofile.com>. For more information about the Huck Boyd Institute, interested persons can visit <http://www.huckboydinstitute.org>.

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

Interested persons can also send their garden and yard-related questions to Domenghini at [cdom@ksu.edu](mailto:cdom@ksu.edu), or contact your local K-State Research and Extension office.

Links used in this story: K-State Horticulture Newsletter, <https://hnr.k-state.edu/extension/info-center/newsletters/index.html>

K-State Research and Extension local offices, <https://www.ksre.k-state.edu/about/statewide-locations.html>

## Prairie Gal Cookin'

Recipes and Ramblings from the Farm

### Fudge Bars

By Ashleigh Krispense

We're in one of my favorite times of the year – that mix of days between summer and fall when you're not really sure what season you're in at that moment. I've seen drifts of happy sunflowers standing in the ditches, drenched in golden rays of sunshine. The trees aren't bare of leaves yet, but there are little pops of yellow among their branches as they begin to turn. The days are still warm, but yet it's enjoyable enough to stand in the sunshine as we begin to come out from the shadows that we hide in during the grueling summer months.

Today, I'm trying out a new recipe that I found tucked away in my mother-in-law's recipe box. Given to her by another family member, these fudge bars looked yummy and offer a chance for something different from the traditional cake or brownie. Be warned though, they're not exactly for anyone looking to cut back on the sugar, as they use an entire bag of chocolate chips and whole can of sweetened condensed milk... Just plan to do a few extra squats and lunges after you eat one. Or a dozen. (Not really, you might feel sick after eating that many. I suggest keeping it down to about half a dozen or so. You'll thank me later.)

#### FUDGE BARS

1 cup butter, softened  
1 cup brown sugar  
2 eggs  
2 teaspoons vanilla  
1/2 teaspoon salt (it originally called for 1 teaspoon, but I cut it back since I used salted butter)

1 1/2 cups flour  
1 teaspoon baking soda  
3 cups oats (I used quick oats)  
12-ounce package chocolate chips (I used dark)  
1 can sweetened condensed milk

To get started, pre-heat your oven to 350 degrees and grease a 9-by-13-inch pan (or if you're like me, find something that is clean and nearby... In this case, it was my slightly-unique square pan).



In a large bowl, beat together the butter and brown sugar until mixed thoroughly. Add in two eggs and beat again until batter is smooth. Mix in the vanilla and salt.



After it's combined, dump in the flour and baking soda and stir again.



With a wooden spoon, mix in the oats. Then in your greased pan, pat



out 2/3 of the oat mixture and set aside.

Now in a medium saucepan, combine together the chocolate chips and sweetened condensed milk. Stir until chocolate is melted and mixture is smooth. Pour over the top of the oat mixture in your pan and spread it out.



With the remaining 1/3 of your oat mixture, use a spoon to dollop it all across the top of the chocolate (at this point, if yours looks different from mine here, don't panic. I made a mistake and put 2/3 of my oat mixture on top! Don't worry though, they were still tasty).



Bake for 30-35 minutes (or until just golden on top. For my oven it takes less time). Let them cool for a bit before serving with a tall glass of milk. Enjoy!

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

## Overwintering Ornamental Sweet Potatoes

By Maddy Rohr, K-State Research & Extension news service

MANHATTAN — Valued for their foliage draping over containers and around planters, ornamental sweet potatoes are edible says Kansas State University horticulture expert Cynthia Domenghini.

"They are grown for their aesthetic value," Domenghini said. "Consequently, the flavor quality of ornamental varieties is often lacking. In the case of ornamental sweet potatoes, the tuberous roots are much more bitter than the edible counterpart."

Domenghini said ornamental sweet potatoes can be kept over colder months in preparation for a lush spring garden.

"Ornamental sweet potatoes can be overwintered by digging them just before the first frost and storing until it's safe to plant in the spring," Domenghini said.

She suggests removing the above ground growth and keeping the roots in moist peat moss in a cool, dark room. Another option includes moving the entire plant indoors and keeping as a houseplant during the winter.

"Check the plant first for signs of disease or pests," Domenghini recommends. "Cut the vines back to about one-foot and carefully transplant into the desired container. Keep the plant in a space with plenty of natural light until warmer weather returns in the spring."

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## The Maine Thing (Pt. 3)

Lobster. Every night I ate lobster. The biggest lobsters I've seen on a platter. Fresh caught is, indeed, the best! And every noon I had some form of clams, crab, or fish for lunch. It was the veritable seafood feast for days! The ironic thing about crustaceans and shell fish is that it was the sustenance of poverty back in the day. Before the rich folks from Boston and New York started going north to spend the summers in the cooler climes of Maine, eating lobster would have been akin to eating Spam and ramen noodles today.

One afternoon we

crashed a tourist group under a gazebo during a rain shower that was getting a tour from a retired lobsterman turned guide. He demonstrated how the lobster pots were used and explained the marking system on the buoys which identified which fisherman they belonged to. He also explained the licensing procedure and how difficult it was to get into the business, not just navigating the governmental regulations, but how the industry was almost "closed" to newcomers. Many of the permits are handed down generationally as an inheritance, much like farmers and

ranchers pass their businesses on. But if the arduous permitting process isn't enough to dissuade a newcomer, the prospects of finding fishing 'grounds' that aren't claimed by the established proprietors are slim to few.

According to this fella, if you spent the money to buy a lobster boat, outfitted it, jumped through all the regulation hoops, and were fortunate enough to even draw an available permit, you would have a hard time breaking into the 'neighborhood.' If you dropped a pot in someone else's territory you would get a warning by finding a loop tied in the line just below your buoy marker. If you continued to fish there, you would probably return to find your line has been cut and your buoy has floated out to sea, with no way to retrieve your lobster pot from the bottom of the bay. In one extreme case the guide told the story of a 'new guy' who was undaunted by the warnings and ignored the territorial claims set by

the locals, showed up at the dock one morning to find his lobster boat sitting at the bottom of the harbor! He would neither confirm, nor deny, that he knew any first-hand information about that incident.

One morning we drove over to Southwest Harbor on the other side of the big island to catch a mail boat and go island hopping. The boat was scheduled to leave at 7 a.m. "sharp" for the Cranberry Islands. We arrived early but the crew and passengers were already busily loading tools and supplies onto the boat. We bought our passage for the day and the captain wrote our "ticket" on a Big Chief tablet, ripped the page out and handed it to me saying, "That's your passage. You don't have that, you don't ride my boat so treat it kindly. Another thing, at the docks you'll find a message board with the departure times written on it. When I say the boat leaves at a given time, that's when she leaves. If you're not there when I

leave the dock, you'll have to wait for my next run, but I only make three runs a day and you're on the first one!" I could only answer, "Yes sir!" I would soon learn there are zero accommodations for tourists on the Cranberries, so unless you want to sleep on the ground you'd best meet ole Cap at the dock!

Just by watching the folks coming aboard we could tell that we were among only four or five tourists. Everyone else was loading groceries, generators, power tools, and of course the mail bags. There were permanent residents on these islands who had been there for generations and depended on these small boats and the larger ferries to keep them connected to the mainland.

Once loaded, Cap nodded to his First Mate who untied the boat. We backed away from the pier and slowly turned out toward the Great Cranberry Isle (GCI).

I spent a lot of time talking to the locals on

that trip. We weren't on a schedule, had no events to attend, and weren't with a group so we spent a lot of time just watching life happen. I spoke with a shipwright on GCI who built custom "lobster yachts," a basic lobster boat outfitted like an RV for recreational use only. He showed me one of his conversion jobs that had a metal flake blue custom paint job, all the luxury accoutrements one could imagine, and unseen, below the waterline he had custom-built a water turbine propulsion system which would rotate, allowing the operator to basically "parallel park" his boat in a crowded docking area. The 30' boat was worth over \$2M. He said the owner lived on Long Island and sailed it up each summer, and had it trucked back down to his home for winter.

Kirk Sours is a ranch manager and columnist in northeast Kansas. Email him at: [sours.kirk@yahoo.com](mailto:sours.kirk@yahoo.com)

# Setting winter wheat up for success

Winter wheat, unlike its more temperate cousins, is typically planted in

September and October. It then goes into dormancy over the winter months and begins growing again in the spring. With winter wheat experiencing many different growing conditions, it is important to select the proper variety,

apply the right fertilizer and plant on optimum dates.

"Like any crop, wheat variety selection is key to setting yourself up for yield success," said Scott Eversgerd, Pioneer field agronomist. "We want to

make sure we have the right varieties on the right acres for the right reasons."

Growers should select varieties based on maturity and field conditions. For example, varieties with good standability should be planted in matured fields or high-nitrogen-management scenarios where additional lodging pressure is likely. Furthermore, varieties highly susceptible to Fusarium head blight should not be planted after corn.

Managing Fusarium head blight, or head scab, can be difficult in-season, so getting ahead of it is crucial and takes a multi-faceted approach:

- Planting after soybeans has a lower risk than planting after corn
- Select a variety that has a good genetic defense against head scab

• Apply labeled fungicides at correct timings and rates

Aphids, attracted to lush wheat, will also infest early planted, thick wheat. A fungicide/insecticide seed treatment is recommended to guard against seedling diseases and fall infections of the barley yellow dwarf virus transmitted by aphids.

It is also important to have an accurate soil fertility test on the field, applying phosphorus (P) and potassium (K) as needed. Phosphorus is important for establishing a stand and for fall growth. As the soil cools, P availability becomes limited, so adequate soil amounts must be maintained.

When ready to plant, growers have traditionally been told to observe the Hessian fly-free date for their areas. The optimum

planting date for winter wheat ranges from about two days before to 14 days after that date.

"Planting wheat too early can advance the wheat one or two growth stages in the fall, putting the growing point above the ground," said Eversgerd. "A cold spring can put the wheat at risk of freeze damage or winter-kill."

While optimum seeding rates range from 1.4 million to 1.6 million seeds/acre, planting in less-than-ideal conditions can alter the rate. When planting into no-till fields, or if planting late in the fall, it is recommended to increase rates to 1.6 million to 2.0 million seeds/acre to compensate for possible lower stand establishment rates and a lack of fall growth and tillering.

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'Tis the Season - For Conferences.

This past week I was in Independence, Missouri, for the Santa Fe Trail Association's gathering. I love western Kansas but I have missed the border; there is no more interesting history, no more compelling stories than those of the Kansas/Missouri border war. Jayhawks and Tigers both hearken to those tumultuous days.

I pitched in on the tour to Fort Leavenworth, one of my five most favorite places. I miss the days I spent there working with some of the best and brightest and most inspiring people I have ever known - in the classes and those teaching them. I helped out with media training and the occasional staff ride. It was as good as it gets.

The next best thing is sharing those spaces with others and opening their eyes to the incredible history at this post.

And then, of course, there is the incredible history of Independence itself. So rich, so multi-layered, that one could easily spend a week exploring the nooks and crannies.

This week I'll be in Dodge City for the Order of the Indian Wars conference where we will take folks from far and near to Forts Larned, Hays, and Wallace, to the El Quartejejo Museum and Jerry Thomas Gallery in Scott City, to the Trail Center in Larned, and so many other interesting places. Again, sharing these spots with my friends from New Jersey, Hawaii, Texas, Florida, Michigan, Indiana - it's as good as it gets.

Later this fall, the Smoky Hill Trail Association holds its conference in Wakeeney and the Chisholm Trail Association holds its conference in Ellsworth. Follow the Around Kansas Facebook page for links to all.

'Tis the season, and if you're being left out, well, it's time to join up.

Deb Goodrich is a producer on Sod and Stubble and the host of Around Kansas. She is the Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum and chairs the Santa Fe Trail 200. Contact her at author.debgoodrich@gmail.com.

## Food and Drug Administration announces new innovation in animal and veterinary products agenda

U.S. Food and Drug Administration announced it is taking new steps to further modernize its approach to evaluating and supporting the development of innovative animal and veterinary products to increase regulatory flexibility, predictability and efficiency.

The Animal and Veterinary Innovation Agenda lists four objectives and details the supporting actions by the agency's Center for Veterinary Medicine to foster product development and implement smart, risk-based approaches to regulating modern animal and veterinary products.

The new agenda applies to products like novel food ingredients that work solely in the animal's gut to increase nutritional efficiency and production; animal biotechnology products such as animal cell- and tissue-based products (ACTPs) and intentional genomic alterations (IGAs) in animals; cell-cultured

animal food ingredients and more.

As part of this agenda, the agency is expanding the popular Veterinary

## Letter to meteorologist focuses on drought impact

By Rep. Lewis (Bill) Bloom

The assistant meteorologist, who has been a huge help, received this email from me on 9-14-23, at his request so he could send it on.

A letter to Assistant Meteorologist-KSU Weather Data

Dear Sir,

As of this morning Clay County is the only county in the surrounding area not designated for the LFP (Livestock Forage Program, and ELAP (Emergency Livestock Assistant Program). We were granted this morning the ability to go ahead and bale CRP acres and not wait until October 1. Even September 14th is way too late to put this hay up, but it will be better than nothing.

We are in extreme drought here, maybe the worst in history. I remember my grandfather and father talking about the dirty Thirties, and thankfully we do not have the

## NCBA participates in New York City Climate Week

Recently New York City hosted climate discussions during Climate Week NYC. The National Cattlemen's Beef Association proudly showcased the advancements the cattle industry has made over the years in terms of environmental sustainability.

In an interview with RFD-TV, NCBA representative Mary-Thomas Hart expressed enthusiasm about discussing cattle production in the United

dust storms, but certainly not any more feed or water. In fact, less water. Most farms I know gave up their wells or let them wear out when most of us got rural water. The selling point was purer, safer water guaranteed for use, so compared to the price and hassle of keeping up your own well, it made a lot of sense. Now our rural water districts are running at full capacity, non-stop because of this drought. We are now getting email saying use your rural water for household use only. They have to tell us to conserve water, so the whole system doesn't go down, but with most of the ponds and all the creeks dry, how are we supposed to water a livestock without some help? Even the irrigated beans and corn suffer from 110 to 115 degree weather with the south wind blowing.

We are fall calving now, and when you go

and check the cows, you can hear the grass crunch they are chewing on. The pastures are gray to white colored and nothing has grown for weeks. We've had a dry enough summer last year and a lot of us had to buy hay to finish it out. This year there's even less. Most dry years we can get by on straw, molasses, and supplementing grain. This year we never even had much, if any, straw to bale. All of the government officials have told me the rules and regulations of this program are not working when we have an extreme drought, but no ideas on how to fix it, the usual government red tape.

If our tax dollars put this in place, then we should be able to use it when we need it. I don't want people in Kansas to lose their cow and goat herds or sheep flocks because as we all know, once they're lost, a lot of them

will never come back. Animal agriculture is a huge part of our rural towns and farmers' income.

We need help now, not at the end of October, this winter, or next year. One U.S. senator's aide told me they don't have the leg power or time to deal with this now, maybe it could be brought up and fixed next year. That's way too late.

We were taught in grade school and our Kansas history class that in the Thirties, there was a nun in western Kansas who was tired of seeing the people go broke from low grain prices year after year. She said the farmers need to be raising more hell and less corn. It's time to call the drought monitors, FSA's, state and local senators and representatives and everyone that you think can help. The local FSA has all the numbers and we are glad to help. Please call or write.

States, especially concerning its environmental impact, pointing out the remarkable strides made by cattle producers.

"Cattle producers have made so many improvements over the years," Hart said. "In the last 60 years, we've reduced our emissions per pound of beef by about 40 percent. And

that's while maintaining an extremely high-quality product."

Indeed, the U.S. beef production supply chain is acclaimed for its unique mastery of sustainable beef production. This achievement is attributed to a range of practices, including raising cattle on grass, employing rota-

tional grazing methods to maximize quality, as well as the use of cutting-edge technologies in feed yards. These advancements in beef sustainability have continued even as U.S. cattle producers face increasingly tough challenges from extreme weather to rising input costs.

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FINE ART & JEWELRY

Fine art pottery by Rose Cabot, two-dimensional art by Fritz Scholder, Judy Graese, Udinotti, Carl Dahl, Jon Zahourek, Mark McDowell, Brent Bond, Mark Rossi, Robert Redbird, Bill Schenck, Paul Coze, Barry Moser, S. Oman, Lamar Briggs, Philip Curtis Campbell, Paulo Boni, Gay Patterson, Earl Linderman, cancelled plate proof by Gene Kloss, Damien Gomes, and more. Framed painting on fabric Al Capp of 1920s era copper arguing with an antique dealer over damage he caused while in "hot pursuit", and dimensional wall assemblages and sculptures produced by Ukrainian artists post-glasnost (1991-1994). Saint Thomas Garnet pyrographic school desk by Brent Bond, tooled leatherwork "Cattle Drive" by F.H. Downes. Carved painted peacock, carved painted eagle on rock, carved stone Native American with fan and rattle, carved stone giraffe. Jewelry: trade bead necklaces, raw amber, coral, lapis, jade, silver and glass necklaces, vintage, antique, ancient and some modern. Origins are

Native American, ethnic, Naga land, Taxco and more. Bags of loose beads. Early 20th century engagement ring. Silver concho belt, Native American beaded belt, and more. Cuffs, necklaces, pins, earrings, belts and rings.

POTTERY, COLLECTIBLES, GLASSWARE, MISC.

Advertising Items: Mills Building (Topeka), Heinz pickle, The Pier button hook, Welsbach Mantle advertising letter opener, Dupont explosives advertising letter opener, numerous Victoriana (thread, baking powder, cigarette cards, etc.). Pottery/ceramics: salt-glazed stoneware, Asian water holder, Lester Breninger pitcher with dog handle, Jan Du Toit blackberry charger, Celadon pot, Yixing teapots; peanut, blueberry, fish, lizard, spotted salamander, and more. Pitchers, platters, vases, studio, and signed pottery. Limited edition Disney charger bowls by artist Brenda White: Ursula, Mickey Mouse with sketchpad, and Mickey Mouse from Fantasia. Glassware: fry glass tray, blown glass wine stemware, etched crystal vases, Blendo punch bowl, juices glasses and more. Stage and screen: signed matted headshots from the '80s, leather whip signed by cast of Streets of New York, 1960s theater movie promotional posters: Cat Ballou, Cast a Giant Shadow, Dr. Who and the Daleks, Spartacus, One Million Years B.C., Beau Geste, and many more. Decoys: canvas duck decoy ca 1910, shorebird decoy ca 1950, R.A. Johnson (Cape Code) duck decoy, merganser decoy, Elliston duck decoy, mini wood duck decoy, Cobb Island decoy, carved wood owl signed by R D Lewis, pieced carved duck on lake wall hanging, Charles Weddle carvings: woodpecker, Baltimore oriole, robin and more. Musical instruments: Asian and American folk art violins, Japanese flute ca 1900. Kitchenwares: Belgian counter coffee grinder ca. 1880, Folk art wood "kitchen utensil" balance scale, lacquered rice container, large African gourd storage vessel with lid, rice basket, crude oversized rectangular bowl, antique Asian zoomorphic coconut grater. Agricultural: antique wood hand-crank thresher, Japanese well pulley, Afghani camel bell, Scotch top horse harness, firkin pail and more. Toys: wood pull toy from Burkino Faso, Victorian-era articulated wood figure, antique Lionel O Gauge train set, wood doll furniture, Vitalite lawn bowl sets and more. Misc: Sewer tile match holder, Steel plate bullet-distressed bison doorstop, Folk art and international canes, mauchlinware. Stamps: Wide selection of stated-price postage stamps: stage and screen, Disney, fine art, international, Bison 6¢ stamp with original framed bison by same artist, space exploration and many more. Knives/Blades: Oglala Spear, ca 1960, Chancay palm wood spear, ancient lined metal blade. Knives: Green Beret, Colani, Timber Wolf, and antique. Global Misc: New Guinea skull hook wall hanging, traditional carved wood ceremonial masks: monkey grinder wooden mask, Congo region mask, Dogon Kanoga mask ca. 1945, Dogon zoomorphic ceremonial box, Yoruba offering bowl. Numerous items too many to mention!

AUCTION NOTE: This is 1st of three auctions. Some vintage, but most items date from antique to ancient, and come from the Americas, Europe, Asia and Africa - items RARELY available for Auction in this region. Many works of fine art, pottery, sculpture and jewelry were created by Native American, western, and southwestern artists. DO NOT MISS THIS AUCTION! Many Unlisted Items! Plan on Spending ALL DAY! All Items MUST be removed Day of Auction! Auction Staff Does Not Load! CONCESSIONS: Worden Church Ladies

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## Kansas cattle on feed up 1 percent

Kansas feedlots, with capacities of 1,000 or more head, contained 2.41 million cattle on feed on September 1, according to the USDA's National Agricultural Statistics Service. This inventory was up 1% from last year. Placements during August totaled 550,000 head, up 3% from 2022. Fed cattle marketings for the month of August totaled 480,000 head, down 1% from last year. Other disappearance during August totaled 10,000 head, unchanged from last year.

## Legislation addresses veterinarian shortage

U.S. senators Debbie Stabenow of Michigan and Mike Crapo of Idaho introduced bipartisan legislation recently to address the critical shortage of veterinarians in rural communities. The Rural Veterinary Workforce Act would provide tax benefits to veterinarians to encourage them to practice in rural communities.

In 2003, Congress established the Veterinary Medicine Loan Repayment Program to address this shortage by assisting qualifying veterinarians with student loan repayment in exchange for a three-year commitment to practice in underserved communities. However, the program currently is subject to a significant federal withholding tax, which limits available resources and the reach of its benefits. The Rural Veterinary Workforce Act would provide an exemption from the federal income withholding tax for payments received under

the program and similar state programs, highlighting Kansas' voluntary efforts to take better care of the environment. Stories will be released throughout the 2023 Farm Bill legislative process.

"While we hold hearings for the 2023 Farm Bill, I want to highlight how hard Kansans work every day to protect our environment and conserve precious resources that our Ag economy needs to thrive. Kansas farmers, ranchers, growers, and producers are finding unique and practical ways to preserve our land and protect our water and air. Their efforts are worthy of everyone's praise," said Marshall.

When most Americans hear about cattle feedlots, soil health is not the first thing to come to mind. Shawn and Shane Tiffany are working to change that, through cover crop grazing and manure application to their cash crop fields.

In addition to feeding over 40,000 cattle annually in their feedlots and

## Kansas Conservation Series: Tiffany Cattle Co.

U.S. Sen. Roger Marshall, M.D. is continuing his conservation series highlighting Kansas' voluntary efforts to take better care of the environment. Stories will be released throughout the 2023 Farm Bill legislative process.

"While we hold hearings for the 2023 Farm Bill, I want to highlight how hard Kansans work every day to protect our environment and conserve precious resources that our Ag economy needs to thrive. Kansas farmers, ranchers, growers, and producers are finding unique and practical ways to preserve our land and protect our water and air. Their efforts are worthy of everyone's praise," said Marshall.

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## Test for soybean cyst nematode this fall

Oct. 2 was National Nematode Day and marked a good time to test fields for soybean cyst nematode (SCN), the No. 1 pathogen of soybean in the United States.

"We anticipate the highest SCN levels to occur at the end of the season. Identifying problematic areas this fall can help with 2024 planting decisions," said Mandy Bish, University of Missouri Extension plant pathologist and director of the SCN Diagnostics clinic.

The clinic has partnered with the Missouri Soybean Merchandising Council to provide Missouri farmers four free SCN



Shawn Tiffany chops cover crop fields, which are planted to grasses for silage to feed the cattle in his feedlots.

pastures, the Tiffanys are nationally renowned for their application of cover crops in fields which would have otherwise laid fallow following harvest of traditional crops like corn, wheat, or milo. These cover crops, such as rye, triticale, turnips, or radishes, can prevent soil erosion and help with moisture infiltration. Cattle then graze the cover, recycling the plants above ground to naturally fertilize the roots and soil via their manure.

Recently, Kansas has

been encountering a historic drought. Instead of grazing under extreme drought conditions, Shawn goes out into his cover crop fields which are planted to grasses, and chops them as silage for cattle in the lots. This ensures that ground cover remains while still feeding cattle under attenuating weather conditions.

As technology continues to advance, Shawn and Shane are right alongside it. Due to USDA requirements to test soil to ensure that livestock waste

is not negatively affecting groundwater, samples are pulled in the fall. In addition to the required sampling, Shane and Shawn return to test soil health in the spring before planting, making scientific observations of what microorganisms already exist in the soil. Since manure from the feedlot is already applied to crop fields as natural fertilizer, testing the soil in the spring also allows them to make strategic decisions on fertilizer application. This kind of ingenuity improves the health of the soil, limits input costs, and promotes stronger yields of cash crops in the fall.

Due to their combined efforts in working with the land rather than against it, Tiffany Cattle Co. has brought high-quality, sustainable beef to tables across the nation. Their efforts further prove that farmers and ranchers are the original conservationists, and we should look to Shawn and Shane for inspiration to leave the land cleaner, safer, and healthier than we found it.

egg count tests this fall.

Soybean infected with SCN often appear healthy above the ground because SCN infects the roots of plants. "However, the severe drought during the 2023 season may have unmasked some of our problematic areas," said Bish. "We have patches of yellow soybean appearing in many fields this year, and there are multiple causes. One contributing factor in some fields may be high SCN levels. A soil test will help determine whether SCN pressure is adding to the problem."

To determine if SCN is present, collect soil samples in fields:

- Sampled more than three to five years ago.
- With known SCN populations.
- With a history of sudden death syndrome of soybean.
- Where soybeans are not rotated with corn.

Sampling for SCN is a little different than sampling for other purposes, said Bish. Recommended soil cores are one inch in diameter by eight inches deep.

For more than three decades, growers have relied

on a soybean line called PI 88788 as the main defense against SCN. More than 95% of commercial varieties grown in Missouri have PI 88788 resistance. Juvenile nematodes feed on roots of PI 88788 plants, which impedes their maturation into adult females, stopping egg production. But recent work by MU soybean researchers found that some juvenile nematodes can feed on PI 88788 soybean and still mature into adult females.

"Thirty years is a long time to rely on one management tactic," said Bish.

The SCN Coalition recommends four ways to manage SCN:

- Test fields to "know your numbers."
- Rotate resistant varieties.
- Rotate to nonhost crops.
- Consider using a nematode-protectant seed treatment.

"Sampling can be frustrating because nematodes do not appear uniformly in fields," Bish said.

The SCN Coalition makes these recommendations for sampling:

- Divide fields into sections of ten to 20 acres

using natural boundaries such as different topographies, areas where sudden death syndrome or SCN symptoms appeared previously, and low-yielding areas of the field.

• Collect 15-20 soil cores from each section of the field. Collect in a zig-zag pattern. Dig cores one inch in diameter and eight inches deep. Mix the cores together within sections and put in sample bags.

• Submit samples for each section separately to SCN Diagnostics.

Download the sample submission form at [https://scndiagnostics.com/links/sample\\_submission\\_form.pdf](https://scndiagnostics.com/links/sample_submission_form.pdf). For more detailed sampling instructions, go to <http://bit.ly/3B4PerY> (PDF).

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SCN Diagnostics is a partnership with the University of Missouri and MU's College of Agriculture, Food and Natural Resources.

Bish and other MU researchers continue to study how in-season management practices influence SCN levels. Learn more at [ipm.missouri.edu/cropPest/2022/9/scn-MB](http://ipm.missouri.edu/cropPest/2022/9/scn-MB).

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## AUCTION

SATURDAY, OCTOBER 14, 2023 — 10:00 AM

LOCATION: Gage County Fairgrounds, 1000 W. Scott St., BEATRICE, NEBRASKA

### DUALY PICKUP

1999 Ford F-350 Lariat dually 4DR Power Stroke V8 7.3L diesel engine pickup, 122,686 miles, 4WD, 6-speed manual trans., leather interior w/elec accessories, AM/FM/Cassette, trailer package w/6 & 7-prong hook-ups, Firestone 235/85R16 10 ply excellent rubber (Purchased 10/99 w/17,000 miles as second owner) (Great Unit).

### SLIDE-IN CAMPER

2002 K-Z 951 Sportsman slide-in camper, sleeps 4 w/air, refrigerator, stove, heat, shower & toilet (Good Condition).

### COLLECTOR TRACTORS

1954 Farmall Super M-TA WF tractor, SN:76574, dual hyd, newly rebuilt engine & TA, total new restoration, 13.6x38 new rubber, rear wheel weights & 540 PTO; 1947 Oliver 99 WF pulling tractor, SN: 513136C66, 5 1/8 Bore - 8 1/4 Stroke, 18.4x38 full cut rubber (1999 NE Champ); 1938 McCormick Deering WK 40, WF tractor, SN: C9206P7, motor free, good metal w/primer applied, 16.9x32 rubber & rear wheel weights; 1930 Oliver Hart-Parr tractor w/original gas tank, lawn ornament.

### PORTABLE SPRAYER

Dultmeier model DU SM300AR50 slide-in 300-gal poly tank sprayer, Honda 9HP gas engine, Hanney reel w/300' hose & hand gun, 14 GPM, overhaul on pump (Nice).

### MACHINERY & RELATED ITEMS

McCormick Deering Little Genius #8 3x16 bottom plow; 4-wheel gear w/205/70R15 rubber; (2) 3-PT cherry picker; (39) IH 75# suitcase weights; (5) MH 70# suitcase weights; JD 720 hood, good metal; MM overhead 3500# cap hand crank hoist; JD center link & Cat II other links; JD cylinder; Super W 9 new muffler; JD 720 new muffler; IH M PTO cover; IH & JD rolling cutters; Oliver 99 starter & seat; IH oil, lights, air filter & water gauges; misc WK 40 & tractor parts; M 3 7/8 pistons & sleeves & other items.

### TRAILERS

1996 H/M gooseneck 7'x20' wood deck tandem axle trailer w/ramps, SN: 4C8GS182OTA001035, w/Honda gas engine 12,000# winch, 7,000# axles, 8-bolt wheels, WLT235/85R16 14-ply rubber & new paint; 1988 H/M gooseneck 8'x20' w/4' beaver tail wood deck triple axle trailer, SN: NEBR005981, w/B&S gas engine 25,000# winch, 8-bolt wheels & 235/85R16 14 ply rubber.

### SHOP EQUIPMENT

M&W high capacity model P40 dynamer, SN: 21533, 540 & 1000 RPM on 2-wheel cart; Hobart Handler 175 welder w/cart & bottle; Husky 6 1/2HP 60 gal 135PSI 220-V vertical air compressor; Skat Blast model 960 cabinet sand blaster; Puma twin-cylinder GX 160 air compressor w/Honda 5.5HP engine; Speedaire air compressor w/Honda 160 GX 5.5HP engine; Ingersoll-Rand 110 CFM 4-cylinder gas engine 2-wheel air compressor; ARCAN 40-ton HD hyd H-press; NorthStar 3500

pressure washer; ALC model F-150DM abrasive sand blaster; Central pneumatic paint shaker; Graco model EH333 2-wheel paint sprayer, Miller Dail arc 250 AC/DC welder; Esab PCM 875 plasma cutter; Wilton 8" bench grinder w/stand; Central Machine 16-speed drill press; Kansas Instrument parts washer; (2) A-frame motor stand; Bosch power miter saw; 2-bottle propane torch set w/cart; Ace 200 Pc rotary tool accessory set; 1500# capacity 4-wheel utility cart; steel wheel 38x76" iron welding table; 4-steel wheel dolly; 7-tier iron rack; 4-steel wheel 42x57" iron parts shelf; 4-leg 39"x5" iron welding table w/Hollands 6" HD vise; 4-wheel 26x36" 2-tier welding table w/vise; 4-wheel 38x39" iron welding table w/vise; metal 42-drawer 38"x7" parts cabinet; 8-tier H/M hardware parts bin; American Parts 30"x6"8" stacked service center; 4-shelf double door 36x78" metal cabinet; Graco double door 48x66" metal cabinet; 10-tier swivel hardware assortment stand; 4-leg 49x69" sand blasting table; (4) 4-tier metal shelving units; 3' 8-tier shelf unit & SO MUCH MORE.

### TIRES & WHEELS

46" sand steel wheel extensions; Goodyear 16.9x38 cracked tires & wheel set; 18.4x38 deep thread full cut tires & wheel set; 18.4x38 rubber & wheel set; Farmland 18.4x38 full cut rubber & wheel set; Western style wheel weight set (M thru 560); new 14.9 x38 rubber & wheel set; 18.4x34 used rubber.

### HAND TOOLS

(44) Vise Grips; Snap-On 1/4 - 3/8 & 1/2" drive standard socket sets; Craftsman 10 Pc 1/2" drive socket set; Pittsburg & Genius 1/2" drive impact socket sets; Craftsman comb. wrenches; Rigid, Pittsburg & Craftsman 14 & 18" pipe wrenches; Pittsburg 14-Pc angle wrench set; KT 14 Pc comb wrench set; Astro 16 Pc wrench set; Fast Lock clamp kit; 21-Pc 3/4" dive socket set; Quick Grip clamps; Pittsburg 1 1/16-11/2" wrench set; Pittsburg metric open end wrench set; Craftsman 7 Pc stubby SAE wrench set; CH air stapler; slide hammer; 45 Pc SAE tap & die set; (2) T-handle hex key set; hole saws; B/D 3 1/2" elec sander; Skill 3/8" 12-V drill; Makita 7" Rt angle grinder; B/D jig saw; Roto Zip spiral saw; Craftsman 7" power saw; Drill Doctor bit sharpener; 9/16 - 1 1/2" drill bits; B/D 5/8" elec drill; DeWalt chop saw; Makita reciprocating saw; Dremel; aluminum 24" pipe wrench; Central Machine 10-ton port-a-power; sleeve puller set; S&K comb wrenches & breaker bars; metric impact sockets;

S&K stubby ratchet socket set w/thumb drive; swivel sockets; crows feet; drive head sockets; Pittsburg SAE wobble sockets & 3/4" drive socket set; DeWalt 18-V Rt angle drill, 1/2" impact drill & flashlight; Craftsman deep well sockets; piston ring compressor; numerous wheel pullers; Craftsman 6" bench vise; JD wrenches; needle, cutting & plumbing pliers; wire wheels & sanding disc; pry bars; ball joint puller; snap ring pliers; 12-ton bottle jacks & others; (2) torque wrenches; bolt cutters; air sanders; 1/2" drill bits & others; air & elec sanders; chisels & punches; Chicago & Hobart welding helmets; numerous wheel bearing lock sockets; air chucks & accessories & SO MUCH MORE.

### MISCELLANEOUS

(2) railroad 4-wheel dolly 6' freight carts; Hypro 27.7 GPM, 725PSI, 550 RPM PTO pump; Truck Pac 12-V battery booster; spray guns & canisters; Shoemaker battery charger; (2) trickle chargers; Kant jack log roller; air hose w/hand reel; (2-Pair) 6 & 12-ton jack stands; (12) various length log chains; (17) chain binders; JD battery grease gun; Grey air bumper jack; tow ropes & cables; cable come-a-longs; Kimball Midwest 23-roll automotive wire rack; (3) 20# propane bottles; creepers; steel wheel rolling casters; 9-step hook ladder; Werner FG 10' step ladder & 24' ext ladder; 3-step painting ladder; aluminum 9" loading ramps; 3-ton hyd floor jack; Braun 3-light 4-wheel utility light; (8) 5 gal white new Elastomeric roof paint; 5 gal synthetic compressor gear oil; 10 gal Traveller transmission fluid; 5 gal parts cleaner fluid; safety triangle flares; Wagner elec power scrapper; square key assortment; magnetic parts rails; implement paint; ratchet straps; air mask; implement seat; McCormick pounded 14" plow lathes; nylon 24' pontoon cover; 12" U bolts; Force 85 boat motor, salvage; 1/2" air hose; ext cords; Master 75,000 BTU diesel heater; 350,000 BTU heater w/100# bottle; Ace kerosene heater; 36" elec shop fan; Ingersoll Rand 4-cylinder gas engine, needs overhaul; 1/4" peg board & hooks; fuel barrel stand; NAPA deluxe terminal kit; O-ring service kit; welding rod; hitch pens; clevis; hatchets; 36x80" new metal door; Craftsman 17 & 7-drawer tool cabinets; Hypertech III power programmer; timing light; oil & air filters; stencil set; disc pads & brake clutches; piston rings; hyd hoses; JD cast iron plater lids; galv. cob tub; pipe roller stands; oil pump; gas cans; BBQ grill; apt. size freezer; Sony 2-speaker stereo & other items.

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# Using the heat capacity of soil and water

By James Coover, crop production agent, Wildcat Extension District

Soil, along with vast many other uses, acts as a powerful moderator of temperature and climate. We call this volumetric heat capacity and it's the energy it takes to change the temperature of something. Soil and water have fairly high heat capacities. While engineers commonly use soil heat capacity calculations to design looped geothermal HVAC systems for houses and buildings, farmers use the soil's heat capacity and insulation to protect crops and cattle. Anyone can use the heat capacity of soil and water in our homes and greenhouses to 'regulate' temperatures from day to day and from season to season.

Soil is fairly insulative if enough is used, having an R-value between 0.25 to 0.5 per inch according to some publications. The soil temperature of the soil three feet deep anywhere in Kansas will be around 55 to 60 degrees at any point during the year, as the seasonal temperature change never reaches that far down. Even at shallow depths of just four inches, the soil can be 20 degrees warmer in the winter or cooler in the summer. The volumetric heat capacity of soil varies by how much water it currently holds, and our clay soils likely range from 1.4 to 3.0 MJ per cubic meter per degree C (MJ/m<sup>3</sup> C). This means it takes 3 MJ (~2800 BTUs) to increase one cubic meter of soil to one degree C. Water is 4.18 MJ/m<sup>3</sup> C.

not seem like much, it ends up being a powerful energy storage. Increasing 100 cubic yards of soil from 55F to 80F would take around 1,900 MJ of energy. It would take all the energy the average Kansas household uses in a year to heat half an acre of soil, three feet deep, the same 55F to 80F. A closed loop vertical HVAC system, the one where a plastic pipe is laid in a five- to six-foot-deep trench, needs to be 100 feet long per ton of cooling needed according to some publications. This means most systems could technically fit a backyard.

The heat capacity of soil is commonly used in greenhouses as most are built directly on top of the soil. In some places in the world, largely in Asian countries, huge greenhouses are built into the sides of hills. The back wall of the greenhouse collects heat during the day and then radiates that heat back out during the night. At times the greenhouse can be blanketed in a canvas to keep the heat from radiating out into the night sky. In other parts of the world, including this one, some greenhouses are built underground with only the roof above the soil surface. In both cases, care must be taken in the design to keep the walls from collapsing or water from flooding the greenhouse floor. However, this practice nearly eliminates, or at least greatly reduces, the need for supplemental heat in the places where they are built.

In Kansas, we are more likely to use soil's heat

capacity and insulation when we build houses on hillsides. In above-ground houses, not so much soil, but the use of rock walls and brick chimneys is more common for some heat capacity effects. To some degree, nearly every house wall, being made of gypsum, has a heat capacity similar to air-dry clay. Of course, we prefer to keep our houses nearly the same temperature through the day and night, so there aren't big daily transfers of energy. The heat capacity of both underground houses and aboveground houses can be well complemented with good usage of solar gain through windows.

In many ways, water is easier to increase the heat capacity of a room because it is easier to move around and has a high volumetric heat capacity. A greenhouse can be lined with filled water barrels, often with boards on top to use as a table for plants. One gallon of water takes 8.33 BTUs to change one degree F, so a greenhouse with ten 55-gallon barrels heated to 80 degrees during the day would release 137,000 BTUs to reach 50 degrees F. That's equivalent to one and a half gallons of propane. The actual heat transfer wouldn't be perfect, but it would help considerably in moderating day-to-night temperatures.

If you have any questions about using heat capacity factors to design a house or greenhouse, it would be best to call an architect or engineer. If you have any questions about soil chemistry or basic soil questions, contact me at the Crawford County Extension Office located in Girard by calling 620-724-8233.

For more information, please contact James Coover, Crop Production Agent, at jcoover@ksu.edu or (620) 724-8233.

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### Booker, DeLauro introduce legislation to allow FDA and CDC on the farm

U.S. Sen. Cory Booker (D-N.J.) and U.S. Rep. Rosa DeLauro (D-Conn.) have introduced bicameral legislation that would give the Food and Drug Administration and Centers for Disease Control (CDC) authority to collect microbial samples from concentrated animal feeding operations during food-borne illness outbreaks.

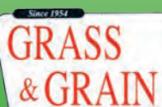
The lawmakers cite CDC noting many foodborne illnesses originate in animal agriculture, and they assert that contamination from animal agriculture facilities can spread to produce fields. They note, for example, that FDA determined nearby cattle were the likely source of E. coli outbreaks linked to romaine lettuce in 2019.

Currently, FDA and CDC lack the authority to enter farms and conduct microbial sampling, which the lawmakers say hinders efforts to identify the source of outbreaks and to develop preventive measures. Their answer is the Expanded Food Safety Investigation Act.

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# How agriculture can capture the carbon market opportunity

By Association of Equipment Manufacturers (AEM) staff

As the trend toward carbon emissions reduction continues, American farmers are being presented with a new opportunity. By adopting certain climate-smart agriculture practices, farmers can not only help protect the environment and reduce operating costs, but also create a new income stream by selling carbon offset credits on a carbon market.

What is a carbon market? To put it simply, when a company avoids, reduces or captures more carbon than it creates, that company creates carbon offsets. Those offsets are valuable to other companies that are unable to reach carbon neutrality. A carbon market facilitates the sale of carbon offsets by those who have them to those who need them.

Some industries are well-positioned to create carbon offsets. Agriculture is one of them, particularly when it comes to crop farming.

"Through photosynthesis, plants produce oxygen and consume carbon dioxide," said Ben Smith, principal advisor – business development and market validation at Kubota North America. "Finding ways to harness the power of the plant is a real opportunity."

There is already real opportunity for American farmers to participate in carbon markets.

One example is Carbon by Indigo. As of mid-September 2022, this program had more than 2,000 farmers and 5 million acres enrolled, helping generate roughly 20,000 carbon credits at a minimum of \$20 per credit. Program data shows that, on average, farmers are estimat-

ed to generate 0.1 to 0.4 credits per acre in the first year, with increased credit production over time.

Another example is one administered by Truterra, a Land O'Lakes subsidiary. According to the company, its program paid \$4 million to farmers for 200,000 metric tons of carbon in 2021. Payments ranged from an average of \$20,000 to as high as \$100,000.

Trimble has been helping farmers navigate carbon markets in Canada for roughly 15 years. "This type of thing is still very new in the U.S., though," said Darryl Matthews, the company's senior vice president of natural resources.

Trimble works with agriculture protocols that help farmers reduce their carbon footprint. Through a carbon exchange component in its software, Trimble gathers the necessary data to certify that a farmer has followed a protocol correctly, creating a certain number of carbon credits based on acreage and other factors. Trimble aggregates those credits and sells them on a carbon exchange, ultimately creating an income stream that Trimble pays back to the farmer. To date, Trimble has paid out more than \$50 million to farmers.

How Carbon Sequestration Is Put Into Practice

Generally speaking, Smith said a farmer must adopt at least one farming practice change in order to participate in a carbon market.

"A commonly recommended practice is the shift to no-till," he continued. "A lot of that has to do with the fact that when you till soil, you start to release methane from the plants that are breaking down beneath the soil."

While no-till is arguably the most recommended practice, Smith is among those who do not envision wholesale adoption throughout the industry. It all hinges on the soil. "Certain soil structures are conducive to no-till farming while others are not," Smith added.

A more unique, somewhat experimental practice has its roots in regenerative agriculture. Rather than plant a single crop across long spans of field, work is being done on planting multiple species. For example, would it be advantageous to plant wide-row corn with soybeans in between?

"It comes down to maximization of solar radiation, coupled with the objective of being healthy to the soil," Smith explained. "We've already moved from a monoculture approach to where we understand the healthy balance of a crop rotation. The objective is to allow that soil to regenerate. If you can get to a point where you can manage multiple species at the same time, you're accelerating the benefits of a typical crop rotation."

While the agronomic benefits of something like that are compelling, Smith adds that the practice would also be quite disruptive and, thus, is a bit ahead of its time. In the near term, there are already numerous climate-smart practices that can help reduce a farmer's carbon footprint.

"Look to the approved conservation practices authorized by the USDA's Natural Resource Conservation Service (NRCS)," said Nate Birt, vice president of Farm Journal's Trust In Food division. Approved practices include:

- No-till and reduced-till
- Conservation cover
- Crop rotation
- Grazing land management
- Anaerobic digesters in livestock management
- Nutrient management

In the area of nutrient management, Trimble has begun piloting a voluntary Nitrous Oxide Emission Reduction Protocol. Using techniques such as slow-release nitrogen fertilizer, variable-rate application and timing the application with the right amount of nitrogen, a farmer benefits from improved nitrogen efficiency. "By following this protocol, the farmer can significantly reduce the amount of nitrous oxide released into the atmosphere," Matthews pointed out.

"You can write a prescription in our software to tell the equipment what to do," added Darren Howie, director of carbon and sustainability for Trimble Agriculture Enterprise Solutions. "That creates the documentation that a certain fertilizer went on a certain field at a certain rate and time."

## Helping Farmers Balance Carbon Market Risk With Reward

Birt said the decision to make any climate-smart practice change is complex. Farmers must understand the potential risks and rewards, as well as the requirements of individual carbon markets.

"Because they are so new, farmers are telling us they're taking a step back to do their due diligence before taking a step forward," Birt said. "There is a ton of opportunity and enthusiasm, but it can also be difficult to determine what the first step should be. That's why a farmer should surround him or

herself with trusted advisors. Together they can determine which practices make the most sense for their operation."

Smith said that, above all else, a farmer needs to think about any potential yield drag that could result from a farming practice change. Take no-till, for instance. There will be a cost savings from not having to make all of those field passes. How might those savings compare to any anticipated yield drag over the first year or two?

Howie said any carbon credit-generating ag practice has to be good for not only the environment, but also the soil and farmer's bottom line. When those three factors are working harmoniously, climate-friendly ag practices and technologies should see a surge in adoption.

"You will never find carbon credits incentivizing a practice that isn't already profitable for a farm," he continued. There isn't enough money in carbon credits to allow them to stand on their own as a profitable income stream. In other words, the farmer has to embrace a practice because it is good agronomics and economics.

Good data helps farmers make good decisions. Easily accessible data helps farmers begin taking a look at carbon market participation.

In the case of Trimble, "Farmers must provide the 'as-applied data' off of the machine as an audit trail," Matthews explained. This is done through the Trimble software. Matthews said an agronomist or other advisor typically assists the farmer with this step. The data is pulled off of the machine and into a report. Trimble submits the report to a third party as part of the evidence for the carbon credit. Once it is verified that the protocol has been followed correctly and is actually improving a farming practice, the carbon credits

are created for sale on a carbon market.

"Farmers will participate in carbon markets, but it has to be seamless," Matthews said. "The biggest concern is the amount of paperwork and intensity of the audit process. It all comes back to data, and the data has to be made easier for the farmer to generate and access."

According to Smith, voluntary carbon markets represent the ideal scenario for American farmers, as opposed to forced participation through regulation. Then, when and if a given farmer decides to opt into a program, that farmer is going to need some guidance in order to capitalize.

"It's really a matter of time and timing," Smith said. "It's often easier for a farmer to rely on experiential knowledge than data. The easier this is for a farmer to participate in, the easier it is to adopt. The early adopters will take the time to gather the years' worth of data required to participate. But for the majority of the market, it's going to have to be really easy. I think you'll see a number of companies working hard to make it easier. There will also need to be some breakthroughs with sensors, as well as additional work to make carbon markets easier to participate in."

According to Birt, AEM members are in an excellent position to serve their farmer customers as trusted advisors.

"Farmers will be adding new equipment and technology in the future to become as efficient and sustainable as possible," he added. "AEM members can help farmers understand the spectrum of options that exist – options that will help farmers maintain relevance in the marketplace by being more efficient, capturing data, and connecting with companies that want to buy carbon credits."

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Just North of E. Country Club Rd.

**Farm Equipment/Supplies/ Trailers** - 16 ft stock trailer • 2000 Turbo Volkswagen beetle 214,000 miles • John Deere 6300 tractor 3,620 hours • 3 point auger with 8 and 12 inch auger drill attachment • Tin (approximately 30 count) • Miscellaneous tee posts and fencing supplies • Electric fence wire and posts • Pull behind sprayer with drop arms • Round bale feeder • Pull type swather • 16x6 car trailer • 4x6 stall mats • Massey Ferguson 130 Baler • John Deere 510 Baler • Haybine 479 Pull type swather • Aries lawn tractor w/ mower, snowblower and tiller • Oliver side delivery rake • Four telephone poles, long bridge planks • 3 point bale spear • Sheep stand • Hanging horse feeders • Chicken cubbies • Rabbit hutches and one stand • Small animal feeders • RB3584 land pride blade • Spring tooth harrow • Aged box drill • Fencing wire roller • 30 gallon pull behind sprayer • 6ft 3 point attachment blade • Chain link fence dog panels • Miscellaneous cattle/horse panels • Miscellaneous wire • Miscellaneous vinyl fence materials • Air compressor • riding saddle •

**Lawn and Garden** - Flower wagons • Fertilizer spreader • Manure spreader • 3 push mowers (INR) • Multiple weed eaters (INR) • Animal hutches/traps • Rakes, shovels and miscellaneous lawn tools • Railroad ties (8 bundles) • Metal and plastic barrels •

**Shop equipment/Misc.** – Shop Smith with band saw attachment • Delta band saw • Craftsman jointer planer • Performax products 16-32 Plus Surface Sander • Engine stands • Shelving supplies • Refrigerator • Miscellaneous shop supplies •

**Household items** – Bulk picture frames • Love seat • Couch • Office chair • Entertainment center • Living room chairs (pair) • Air hockey table • Medical weight scale • Console Antique record player • Fish tanks • Miscellaneous exercise equipment • 4 Drawer File cabinets • Oversized metal locker •

**Seller: Jerry & Coleen Seim**

Auctioneer: Byron Bina (620)-338-6378  
Auction Coordinator: Creighton Mallory (785)-404-9281

Broker: Ray Swearingen (785)-452-8498



SCAN ME



## HORIZON

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

## DICKINSON COUNTY REAL ESTATE & LAND AUCTION

TUESDAY, OCTOBER 10, 2023 \* 6:30 PM

AUCTION LOCATION: Brookville Hotel (105 E. Lafayette) ABILENE, KANSAS

### LAND DESCRIPTIONS

#### Parcel 1 (\$11-T12-R03)

\* TRACT A (26+/- acres) On this property you will find a well maintained Wardcraft home consisting of nearly 1300 sq. ft on the main floor with a ranch layout including 2 bedrooms and 2 baths that still boasts an open floor plan. The home sets on a full basement that has been mostly finished but offers even more opportunity for additional living space. The farmstead comes with a unique combination of approximately 6.5 acres of crop ground with the balance being native grass and timber. Do not forget the 45x95 shop and additional outbuildings that top off this great property!

\* TRACT B (22+/- acres) Native grass tract that offers great views and comes with an established pond.

\* TRACT C (51.5+/- acres) Combination tract made up of timber, native grass and approximately 11 acres that is currently enrolled in CRP. Could make for a nice wintering pasture or a recreation property.

\* TRACT D (55.5+/- acres) Primarily productive crop ground with small 3 +/- acre hay meadow.

\* TRACT E - Combination of Tracts A, B, C & D.

#### Parcel 2 (\$14-T12-R03)

49+/- acres of productive crop ground made up primarily of Muir silt loam and Sutphen silty clay loam soils.

#### Parcel 3 (\$11-T12-R03)

78+/- acres of productive crop ground made up primarily of Crete silty loam and Hobbs silt loam.

#### Parcel 4 (S03-T12-R03)

151+/- acres of native grass and timber.

#### Parcel 5 (S02-T11-R03)

75+/- acres currently in CRP with contract through 2030.

#### Parcel 6 (\$29-T12-R03)

77+/- acres with approximately 20 acres in production with Crete silty clay loam soils with the balance in CRP until 2028.

SELLER: ELDON & NELDA HOOVER TRUST

**REAL ESTATE TERMS:** Property sells AS-IS, WHERE IS. 10% non-refundable down payment is required on the day of sale by check. Buyer must be able to close on or before November 13, 2023. Buyer needs a bank letter of loan approval or funds verification. Cost of Owner's Title Policy to be split equally between Buyer and Seller. Buyers are responsible for understanding all zoning, building & other regulations associated with the property prior to the day of auction. Survey for PARCEL 1 will only be conducted if property sells to separate buyers. Possession of crop ground will be at the conclusion of 2023 harvest if it is not completed by closing. \*\*All acreages and soil information came from county and Acre Value websites. \*\* All announcements day of sale take precedence over written materials.

Check us out on Facebook & Online for more info [www.kscrossroads.com](http://www.kscrossroads.com)  
[www.facebook.com/KScrossroadsauctions](http://www.facebook.com/KScrossroadsauctions)



BILL DISBERGER, Listing Agent/  
Associate Broker, 620-921-5642  
ANDREW SYLVESTER,  
Auctioneer, 785-456-4352  
TERRI HOLLENBECK,  
Broker/Owner, 785-223-2947



SCAN ME

# Grass & Grain Area Auctions and Sales

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

Hundreds of auctions, online and in-person. [www.kansasauctions.net/gg/](http://www.kansasauctions.net/gg/)

**3-Day Online Auctions** (Open NOW, Day 1 closes 10-3, Day 2 closes 10-4, Day 3 closes 10-5) — 1,200+ lots including Antique tools, manuals, tool boxes, Smith Antique Farm & Tractor items, print & advertising, cast seats, pedal tractor, 300+ Stovall watch FOB Collection & more (items located at Cottonwood Falls). Held online at [www.Griffin-RealEstateAuction.com](http://www.Griffin-RealEstateAuction.com). Auctioneers: Griffin Real Estate and Auction.

**Online Fall 2023 Collector & Sporting Arms Gun Auction** (Open NOW, Ends October 3, 6 PM CST) — Offers over 700 lots, 2 lifetime collections to inc.: Marlin & Winchester lever actions, over 60 Colt & Smith & Wessons, machine gun, ammo & so much more held online at [ArmsBid.com](http://ArmsBid.com). Auctioneers: Kull's Old Town Station.

**Online Only Silage Equipment Auction** (Bidding Ends October 11) — MF 271X tractor w/1060 loader, 2000 Titan livestock trailer, Roto-Mix 600-16 feed/mixer wagon, Woods BB840 Brush Bull rotary mower, Grain Storage & Bulk Feed Bins. Visit [www.Flory-AndAssociates.com](http://www.Flory-AndAssociates.com) for more information. Auctioneers: Flory & Associates Realty & Auctions, Jason Flory, George Hunsinger, auction rep.

**October 4 — Trucks** (2001 GMC Yukon, 1996 Ford F-150, 1993 Chevy 2500 & more), Tractors (IHC H, Case VAC, Allis B & more), Cars (1999 Chrysler Concorde, 1992 Pontiac Bonneville, Ford Aerostar van & more), walk behind ditcher, trailers, tools, lumber, tin & more held at Formoso for Warren L. Heinen Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

**October 5 — RS Angus Complete Dispersal** of the spring calving females: 260+ head sell. Every female that is safe in calf & due to calve in the spring of 2024 along with the spring 2023 born heifer calves sell at the ranch in Brownell.

**October 5 — Jamison Quarter Horses** 20th annual production sale selling 133 Quarter Horses, 56 saddle horses (geldings & saddle mares), 54 2023 foals inc. 4 from Hanging b Quarter Horses, 8 broodmares, 5 ponies, 10 horses from Santa Fe Ranch held at noon at the ranch in Quinter.

**October 6 & 7 — Selling** Oct. 6: Tractors, implements, JD skid loader, tree saw, tools, welders, pipe, Polaris Ranger, shop tools & much more. Selling Oct. 7: Springfield Armory M1A, FN Belgium Herstal 308 Match & many more guns, large amount of ammo, gun reloading supplies, cleaning kits, parts & more held both days at Fort Scott for John & Alberta Shaw Living Estate. Auctioneers: Anderson Auction Service, LLC.

**October 7 — Vehicles** (2012 GMC SLT Terrain SUV, 1999 Ford XLT Ranger), furniture, household & garage items inc.: flatware & boxes, appliances, jewelry, Pyrex bowls, games & toys, old quilts, metal toys, glassware, Fenton, Avon, Hesston items, riding mower, ladders, snow blower, patio set & more held at McPherson for Pauline Jones Estate. Auctioneers: Van Schmidt Auction.

**October 7 — Fall Machinery Consignment Auction** including Tractors, loaders & accessories, combine, trailers, trucks & trailers, vehicles &

accessories, dozer, hay & hay equip., livestock equip., machinery & more held at Holton (online bidding through [EquipmentFacts.com](http://EquipmentFacts.com)). Auctioneers: Harris Real Estate & Auction, LLC.

**October 7 — Lazy J Unique, Vintage auction** including 1876 shelling machine, JI case seeder, International Harvester signs; Coca Cola advertising items, vintage tricycle, lots of advertising items, implement seats, yard gates & vintage fencing, gas & oils cans, vintage Honda 900 custom motorcycle & more held at Chapman. Auctioneers: Lazy J Auctions, Loren Meyer.

**October 7 — Farm & home auction** including Trucks & Cars (2000 Chevy LS 2500 truck, F-600 grain truck, Delta 88 Olds, 1995 Chevy Kodiak 2T truck, 1999 Buick LeSabre, 1959 F250 truck, 1949 IH truck), Tractors (JD 4440, JD 40, JD 70, McCormick Deering 10-20, JD 60), JD 4420 Combine & more, Farm Equipment, tools, shop equipment, collectibles, vintage house items, other household & misc. inc. old Cushman & lots more held at Chapman for Eldon & Nelda Hoover Trust. Auctioneers: Crossroads Real Estate & Auction, LLC.

**October 7 — Farm Equipment, Supplies, Trailers** inc. 16' stock trailer, 2000 Turbo Volkswagen Beetle, JD 6300 tractor, T-posts, fencing supplies, balers, lawn tractors & more, lawn & garden, shop equipment, household & more held at Salina for Jerry & Coleen Seim. Auctioneers: Horizon Farm & Ranch Realty, LLC., Byron Bina, auctioneer.

**October 7 — Personal property auction** including antiques, antique furniture, collectibles, nice collection of crocks, beer signs, primitives, local advertising, coins, 1970s Sidewinder tri-hull boat w/125 Johnson motor & trailer, household & more held North-west of Marysville for Frank L. Feldhausen Estate. Auctioneers: Olmsted & Sandstrom.

**October 7 — Mechanic & Carpenter tools, household, antiques, toys & hunting items** held at Belleville for Steve Hamel Estate. Auctioneers: Novak Bros. & Gieber.

**October 9 — Burlap and Barbed Wire Female Sale** selling 70 Simmental, Sim-Angus & Angus including fall pairs, breds, open females held at Clay Center. Hofmann Simmental Farms, Burgman Farms Angus, Klein Ranch Simmentals.

**October 10 — Kansas & Oklahoma Land Auction** of 1,027 ac. m/l offered in 8 tracts: Sumner County: T1: 80 ac.; T2: 154 ac.; T3: 157 ac.; T4: 141 ac.; T5: 159 ac.; Cowley County: T6: 120 ac.; T7: 58 ac.; Kay County, OK: T7: 158 ac. held at Winfield. Auctioneers: J.P. Weigand & Sons, Inc., Rick Hopper & Ken Patterson.

**October 10 — Dickinson County Real Estate & Land auction** consisting of Parcel 1 (TA: 26 ac. m/l with Wardcraft 2BR, 2BA home, full basement, 6.5 ac. m/l crop ground with balance native grass & timber. TB: 22 ac. m/l native grass with pond. TC: 51.5 ac. m/l with timber, native grass & approx. 11 ac. in CRP. TD: 55.5 ac.

m/l primarily productive crop ground, small hay meadow. TE: Combo of Tracts A-D). Parcel 2 (49 ac. m/l productive cropland); Parcel 3 (78 ac. m/l productive cropland); Parcel 4 (151 ac. m/l native grass & timber); Parcel 5 (75 ac. m/l in CRP); Parcel 6 (77 ac. m/l with approx. 20 ac. in production, balance CRP. Held at Brookville Hotel in Abilene for Eldon & Nelda Hoover Trust. Auctioneers: Crossroads Real Estate & Auction, LLC.

**October 14 — Coin auction** selling over 350 lots including 1/2 cents, large cents, FE & IH cents, dimes, Peace dollars, rolls of silver, several pieces of gold, mint & PR set, commemoratives & more held at Portis. Auctioneers: Wolters Auction.

**October 14 — Smith Farm Live Auction** selling New Holland skid steer, Massey tractor 4253, Circle D flatbed trailer, Hawk Line enclosed trailer, baler, discs, other equipment held at Lincolnville for The Estate of Phillip G. Smith. Auctioneers: Griffin Real Estate & Auction.

**October 14 — 3 bedroom, 2 bath home, new central air, roof and siding; also selling shop equipment & misc., household, clocks, appliances, vintage typewriters, Avon collector car cologne decanters, misc. silver & gold jewelry & more** held at Delphos for Lola R. Hanchett. Auctioneers: Horizon Farm & Ranch Realty, LLC., Byron Bina, auctioneer.

**October 14 — 1999 Ford F350 Lariat dually pickup, 2002 K-Z 951 Sportsman slide-in camper, collector tractors (1954 Farmall, 1947 Oliver, 1938 McCormick Deering, 1930 Oliver), portable sprayer, machinery & related items, trailers, shop equipment, tires & wheels, hand tools, misc. & much more** held at Beatrice, Nebraska for Gary "Bugsy" Rolenc. Auctioneers: Jurgens, Henrichs, Hardin & Sommerhalder.

**October 14 — Collectible Toys, glassware, furniture, cookie jar collection, guns & lots more** held at Louisville for The Clyde & Helen Wheeler Estate. Auctioneers: Morgan Riat Auctions with Foundation Realty.

**October 14 — Great assortment of woodworking tools, extra nice furniture, garden/shop tools, kitchen items, toys, crafts, jewelry & much more** held at Overbook for Rick & Janice Meyer. Auctioneers: Wischropp Auctions.

**October 14 — 1992 Ford Bronco, Norwood Lumber-mate 2000 sawmill, fishing & camping equipment, Troybilt tillers, gas-powered cement mixer, power tools & shop items, lots of cast iron cookware, antiques & collectibles, Kansas Limestone rocks, household & misc. held at Alceville for Jim, Cathy & James Price. Auctioneers: Kurtz Auction & Realty Service.**

**October 14 — Estate Auction #1** selling Antique, vintage & primitive furniture pieces, fine art & jewelry, pottery, collectibles, glassware, advertising & more held at Lawrence for William P. Bishop Estate. Auctioneers: Elston Auctions.

**October 14 & 15 — 2-Day Toy Auction:** selling Oct. 14: 250-300 trucks, construction equipment & other toys; selling Oct. 15: Pedal tractors, vehicles, wagons farm toys held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

**October 14 — Houck Rock Creek Ranch Fall Bull Sale** selling 29 Simmental & SimAngus Bulls Homozygous Black & Homozygous Polled. Bulls available for viewing by appointment at the ranch in Allen.

**October 14 — Judd Ranch 33rd Annual Cow Power Female Sale** held at Pomon.

**Online Only Land Auction** (Bidding OPENS October 20 & ends November 3, 1 PM) — 79.49 Acres m/l of Atehison County Land consisting of T1: Cropland & CRP (less homesite); T2: Homesite & building (4.25 ac. m/l). Selling for William Speer III Trust. [www.MidwestLandandHome.com](http://www.MidwestLandandHome.com). Auctioneers: Midwest Land & Home, Jeff Dankenbring listing broker.

**October 20 (Friday) — Large auction** including Old & restored tractors, stationary baler, threshing machine, collectible machinery, collectible automobiles, toy tractor collection, implement, automobile & gasoline collectibles & memorabilia, BBQ Smoker trailer, portable concession trailer & lots more held at Burlington for The Don Sobba Trust. Auctioneers: Kurtz Auction & Realty Service.

**October 20 (Friday) — 7720 JD w/loader, farm implements, commercial sewing machines, lots of quality plumbing tools, much more** held at Haysville. Auctioneers: Ken Patterson Auctions.

**October 20 & 21 — Large 2-Day Carriage, Farm Primitive & Collectible auction:** consignments including Fire House Carriage (museum piece), open & top buggies, boxwagons, carriages, Pioneer fore-carts, seats, wooden & steel wheels, new & used tack, 30 vintage & high back saddles, Army saddles, spurs, bits, signs, vintage water pumps, tools, anvils, crocks, RR lanterns, clocks, cast skillets, wood planes & lots more items held at Hutchinson. Auctioneer: Morris Yoder Auction.

**October 21 — Primitives, furniture, glass (antique furniture, showcase, spinning wheel, lamps, churns, Deering cast iron seat, wood pop cases, Murray tin pedal tractor, tools & much more), Soda Fountain bar from Clyde roller skate rink, John Deere AR tractor, vintage signs & more** held at Agenda for Howard "Salty" & Lois Hammond Estates. Auctioneers: Thummel Real Estate & Auction, LLC.

**October 21 — JD utility tractor, SUV, trailers, collectibles, coins, etc. held at Lawrence** for a Private Rural Lawrence seller. Auctioneers: Elston Auctions.

**October 21 — Coin Auction** held at Emporia. Auctioneers: Swift-N-Sure Auctions.

**October 21 — Fink Beef Genetics 38th Annual** Angus and Charolais Bull and Female Sale held at Randolph.

**Grass & Grain, October 3, 2023** registered open show heifer/donor prospects, commercial bred heifers & frozen genetics held at Monument.

**November 7 & 8 — Grass & Grain Farm & Ranch Show** held at the National Guard Armory, 721 Levee Drive, Manhattan featuring the latest in agriculture products, technology & services as well as Chef Alli cooking demo & more.

**November 10 — Land Auction** selling 154 acres of Marshall County Cropland held at Oketo for Alwin Poppen Family. Auctioneers: Olmsted Real Estate & Auctions.

**November 11 — Moser Ranch 32nd Annual Bull Sale** offering 60 SimAngus, Angus and Simmental bulls held at the ranch north of Wheaton (bid-off begins at 11 AM).

**November 12 — Absolute Real Estate auction** consisting of 80 Acres (76.9 taxable) with newer metal Cleary building, working windmill with well & a hunting paradise held at Lindsborg for Marcel & Barbara Tajchman Estate. Auctioneers: Wilson Realty & Auction Service.

**November 17 (Friday) — Land Auction** consisting of 1239. taxable acres m/l in Marshall County & 151.4 taxable acres m/l in Marshall County held at Marysville selling for Frederick H. Niefeld Trust. Auctioneers: Prell Realty & Auction, LLC.

**November 18 — Southern Nemaha County pasture & cropland auction** (land located South of Centralia), selling 235 acres m/l with 51.07 acres terraced upland cropland & 184.44 acres native grass pasture held at Centralia for Jimmie & Karen VanGilder. Auctioneers: Cline Realty & Auction, LLC.

**November 18 — Farm auction** held at rural Lawrence for Jeff & Carmen Shultz. Auctioneers: Elston Auction.

**November 25 — Public auction** held at Lawrence for Wendy Balfour. Auctioneers: Elston Auctions.

**December 2 — St. James Catholic Church Consignment auction** accepting consignments for farm equipment, construction equipment, vehicles, hay, farm supplies, hedge posts, livestock equip., etc. held at Wetmore. Proceeds support St. James Church. To consign contact Bill Burdick or Ron Burdick.

**March 16, 2024 — Spring-hill Herefords - On Target Bull sale:** Our 2024 offering will include bulls sired by Houston, Wall Street, Defiance, Long Haul, Perfecto, Leader 182F and KCF Trust B279. Visit our website for more details about the sale, private treat offerings.

**Ask Grass & Grain to SHARE your Auction on the Official Grass & Grain Facebook Page** (Small surcharge will apply. Ad must also run in the paper.)

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## 2-DAY TOY AUCTION SATURDAY & SUNDAY, OCTOBER 14 & 15, 2023

10:00 AM BOTH DAYS Auction will be held in Kenwood Hall at the Saline Co. Expo Center, 900 Greeley, SALINA, KS

**SATURDAY, OCTOBER 14: 10:00 A.M.**

250-300 trucks, construction equipment other toys inc: 20's, 30's, 40's 50's & 60's era; Fire trucks; U Haul Truck, Trailer & Van; Army trucks; semi tractors & trailers; Gambles semi; Car carriers; Western Auto semi; Allied Van Lines semi; IH Pay Hauler truck; Guided Missile Carrier truck; Circus semi; Livestock semis; sand loader; Michigan side dump truck; Texaco semis; dump trucks; Construction equipment; cranes; graders; JD grader in box; Model sand digger; wreckers; dump trucks; cement trucks; Tonka dump truck in box; search lights; Buddy L, Tonka, Wyandotte, Structo pickups & trucks; Tonka jeep w/boat; Nylint Auto Transport w/box; Tonka dump truck w/box; Montgomery Ward semi w/box; log semi; City Meat Market car in box; Ideal's Fix-It convertible in box; Hallmark cars; toy sewing

machines; Brick Town construction set; farm wagon; 20 Gilbert Erector sets; Erector Engineers sets; Gilbert Chemistry sets; Handy Andy tools; **many many other trucks, check website for pictures.**

**SUNDAY, OCTOBER 15: 10:00 AM**

**PEDAL TRACTORS, VEHICLES, WAGONS, FARM TOYS**

Pedal tractors inc: Massey Harris 44; Massey Harris 44 Special; Oliver 70 Row Crop; Oliver 1855; Allis-Chalmers CA; Massey Harris 6640; Allis Chalmers One Ninety XT; MM Tot Tractor; Castelli tractor & wagon; Western Flyer tractor; Ford TW-5; Ford TW-35; Ford TW-20; Ford 8000; Case Agri King 1070; Case IH 7250; early IHC H; IHC M; IH 1026; Farmall 560; IH 856; White 6215; John Deere A; JD 10; JD 20; several JD's; Deutz Allis 8070; Murray tractor; Colt tractor; Disneyland Special Tractor; others; Pedal Tractor Wagons (Allis Chalmers, JD,

Ford); 35 new Scale Model & Ertl pedal tractors in boxes inc: Steiger; 4 wheel; Case IH 4 wheel; IHC 1066; JD 7020; others; 35-40 1/8th scale tractors & machinery; (Oliver Ford IH); many 1/16th scale tractors and implements: JD tractors, inc: 7520 4 wheel drive, JD Precision 8020; JD corn picker, baler, box scraper, plows, chuck wagon, discs; JD electric train sets; JD Cookie jar; Tru-Scale corn picker box only; Corgi Major combine in box; Tru-Scale tractors, chopper, corn picker, baler, combine, bale elevator in box, trailers; Hubley tractor loader w/box; 4 gum ball machines on stand; Victory coaster wagon; pedal 4 wheel wagon; sleds; trikes; 30's Fire Chief car; 50's station wagon; 20's pedal car; 60's Pinto pedal car; 60's Fire Chief car; 50's Fire Chief car; pedal airplane; 50's Hot Rod; U Haul trailer; pedal car wheels.

**NOTE:** This is a longtime private collection. Check website for pictures [www.thummelauction.com](http://www.thummelauction.com). This will be a LARGE AUCTION BOTH DAYS. There are many unique trucks. This is a great collection.

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

## GUN AUCTION

SUNDAY, OCTOBER 22, 2023 \* NOON

1100 W. Ash - SALINA, KANSAS

Doors will open at 10:00 am for preview

Approximately 165 Guns & assorted Ammunition

Go to: [SOLDBYWILSON.COM](http://SOLDBYWILSON.COM) for updates!

**HUNTER'S PARADISE!!**

**ABSOLUTE REAL ESTATE AUCTION**

SUNDAY, NOVEMBER 12, 2023 \* 2:00 PM

(Marcel & Barbara Tajchman Estate)

2305 12th Avenue - LINDSBORG, KANSAS

Property will be available for viewing October 29, 2-4 pm

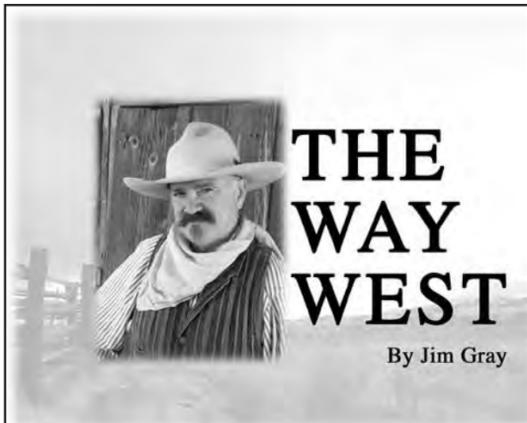
80 Acres (76.9 taxable) with newer 60' x 42' metal Cleary building, working windmill with well.

Go to: [SOLDBYWILSON.COM](http://SOLDBYWILSON.COM) for pictures

**Wilson Realty & Auction Service**

PO Box 1695, Salina, KS 67402-1695 \* OFFICE - 785-823-1177

LONNIE WILSON, Owner/Broker/Auctioneer - 785-826-7800



# THE WAY WEST

By Jim Gray

## The End of His Rope

It seemed that James A. Gordon's luck had run out. Sitting in a jail at Leavenworth, Kansas, Gordon was waiting for a hearing before Judge John Pettit for the murder of John Gantz nearly two months before, on July 18, 1860, in Denver City, Kansas Territory.

Gordon initially escaped a vigilante posse by boldly riding through a hail of bullets as he charged through the gates of Fort Lupton, twenty-four miles northeast of Denver. Gordon later wrote that his escape was unfortunate for he afterward went through, "torture a hundred times worse than death."

Arapaho County Sheriff William Middaugh set out August 9, 1860, tena-

ciously tracking Gordon into eastern Kansas where he executed a flawless arrest at Humboldt, Kansas Territory, on August 17th. Middaugh had traveled an amazing seven hundred miles in eight days to effect Gordon's capture.

At Leavenworth Judge Pettit ordered Gordon held over for a hearing in his court in a month's time. Middaugh was directed to gather witnesses at Denver and bring them to Pettit's court in Leavenworth. The quickest mode of travel was by stage on the Pikes Peak Express.

At Denver John Gantz's murder had set the vigilantes in motion. The Missouri Democrat reported that six or seven men had been found swinging from

limbs in the Denver area. Gantz's death not only stirred emotions of the front range. He lived at Leavenworth before going to the gold fields and was well-liked, especially in the German community. Tensions were near the breaking point when Sheriff Middaugh returned with several witnesses on September 17th, the very day that the hearing was to convene. Crowds of excited men waited outside the courthouse.

Convincing evidence was laid before Judge Pettit, but the judge questioned his jurisdiction in the matter. Upon reviewing territorial law pertaining to judicial districts, Pettit found that the Territorial Legislature had failed to establish definite boundaries for counties in the new gold field district. Therefore, he had no jurisdiction over the case, and furthermore stated that no judicial district actually existed on the front range. With no legal court to authoritatively try Gordon, the prisoner was released.

The news spread over Leavenworth "like wildfire." Leavenworth Mayor McDowell deputized a posse of approximately fifty dependable men to escort Gordon through the angry crowd as they made their way to the county jail.

Gordon was a free man, but jail was the only safe place for him. The Leavenworth Times described "a scene of wildest excitement." Surrounded by his stalwart posse, Mayor McDowell led Gordon out of the courtroom and into the hall. "...the seething, tossing crowd tossed to and fro, pressing against the officers and striving to get at the prisoner."

Into the street they battled amid screams of "Hang him, hang him!" All the while brave, stern officers closed around Gordon with "a firm wall of protection," until the jail was finally reached.

"Men armed with muskets and revolvers and knives gathered thick and fast, and as the shades of night came on, large bonfires were built up all around the jail."

Mayor McDowell quieted the crowd with a pledge to turn Gordon over to Sheriff Middaugh. But when Gordon was handed over to Middaugh the crowd rushed upon Gordon, throwing a rope over his neck. An officer cut it loose. The conflict was described as "desperate to the last degree." Sheriff Middaugh was among the officers injured in defending Gordon's life. Every stitch of clothing was torn from Gordon's body. He begged to be shot, for he

did not want to be hung. Mercifully the posse was able to get back to the safety of the jail. By 4 a.m. all was quiet on the streets.

A few days later with an escort of posse men Sheriff Middaugh boarded the stage with his prisoner, bound for Denver City. A short distance from Leavenworth a Deputy U.S. Marshal stopped the stage with an arrest warrant for the theft of a mule weeks before. Gordon was taken to Fort Leavenworth and housed in the guard house. Middaugh wrangled with authorities, until the charge could not be proven and Gordon was once again turned over to Sheriff Middaugh. But Middaugh faced one last snag. The posse men were not allowed to continue on a technicality and the sheriff was forced to escort his prisoner alone on the six-day journey stage ride to Denver City.

The afternoon of September 29, 1860, one day after their arrival at Denver City, Gordon's trial was convened. Pleading for mercy, Gordon tried to explain that the influence of alcohol had led him to the point of insanity.

There would be no leniency. The "people's court" sentenced him to hang on October 8, 1860.

Several thousand people gathered along Cher-

ry Creek to witness Gordon's execution at the end of a rope. Addressing the crowd Gordon thanked those who had tried to save his life and asked if some friend would shoot him. Resigned to his fate, James A. Gordon turned to Sheriff Middaugh and asked him to fix the rope, "so that it would break his neck quick." He then stepped onto the drop, the cap was pulled over his head and with hands restrained, "the drop fell and launched him into eternity," 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](mailto:kansascowboy@kans.com).

### New Address?



### Let us know!

Contact Kevin to update your Grass & Grain subscription:

[agpress3@agpress.com](mailto:agpress3@agpress.com)

785-539-7558

1531 Yuma St.,

Manhattan, KS 66502

# 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 - 3,211. HOGS - 68.**

BULLS: \$120.00-\$132.50		COWS: \$110.00-\$123.50	
<b>STEERS</b>			
300-400	\$340.00 - \$352.00	2	Blk Newton
400-500	\$285.00 - \$300.00	3	Mix Little River
500-600	\$300.00 - \$312.00	10	Mix Junction City
600-700	\$275.00 - \$287.50	6	Mix Abilene
700-800	\$265.00 - \$277.50	3	Blk Wilson
800-900	\$245.00 - \$258.50	3	Blk Wilson
900-1,000	\$230.00 - \$243.00	9	Blk Moundridge
<b>HEIFERS</b>			
300-400	\$329.00 - \$341.00	15	Mix Florence
400-500	\$290.00 - \$302.50	4	Blk McPherson
500-600	\$272.00 - \$285.00	18	Mix Cheney
600-700	\$250.00 - \$266.00	4	Blk Newton
700-800	\$240.00 - \$253.50	5	Blk Salina
800-900	\$230.00 - \$242.00	10	Blk Beloit
900-1,000	\$215.00 - \$227.00	12	Blk Junction City
<b>THURSDAY, SEPTEMBER 28, 2023</b>			
<b>STEERS</b>			
4	Blk Kanopolis	365	@\$352.00
2	Blk Abilene	373	@\$347.50
2	Mix Oklahoma	358	@\$330.00
1	Blk Hutchinson	355	@\$315.00
12	Blk Beloit	505	@\$312.00
7	Blk Bennington	502	@\$307.50
10	Blk Morganville	508	@\$304.00
8	Blk Hunter	506	@\$301.50
8	Blk Kanopolis	459	@\$300.00
54	Blk Beloit	578	@\$300.00
6	Blk Kanopolis	514	@\$297.00
3	Blk Abilene	475	@\$297.00
4	Blk McPherson	433	@\$296.00
4	Blk Tescott	518	@\$294.00
6	Blk Junction City	505	@\$294.00
6	Mix Little River	593	@\$293.00
6	Blk Newton	568	@\$288.00
9	Blk Wilson	659	@\$287.50
9	Blk Salina	607	@\$286.00
29	Mix Sedgwick	598	@\$285.00
17	Bwf Hunter	574	@\$284.00
4	Blk Minneapolis	643	@\$282.00
47	Blk Beloit	676	@\$280.00
15	Blk Morganville	633	@\$279.00
5	Blk Salina	690	@\$277.50
13	Blk Wilson	737	@\$277.50
3	Blk Salina	678	@\$272.00
8	Blk Colorado	650	@\$270.00
12	Blk Salina	773	@\$265.50
18	Blk Colorado	695	@\$260.00
71	Blk Hope	849	@\$258.85
20	Blk Junction City	675	@\$258.00
15	Blk Peabody	765	@\$256.00
65	Blk Randolph	852	@\$252.00
20	Red Beverly	815	@\$252.00
7	Mix Abilene	896	@\$247.50
61	Mix Benton	889	@\$247.00
60	Mix Randolph	874	@\$246.85
59	Mix Hope	888	@\$244.75
60	Blk Hope	950	@\$243.00
120	Blk Randolph	915	@\$241.00
<b>HEIFERS</b>			
2	Blk Abilene	320	@\$341.00
1	Blk Oklahoma	315	@\$340.00
7	Blk Kanopolis	349	@\$332.00
2	Blk Kanopolis	298	@\$315.00
6	Mix Oklahoma	387	@\$310.00
4	Blk McPherson	443	@\$302.50
5	Mix Gypsum	457	@\$293.00
7	Blk Kanopolis	439	@\$292.50
<b>MONDAY, SEPTEMBER 25, 2023</b>			
<b>HOGS</b>			
10	Fats Abilene	280	@\$55.00
4	Fats Lincolnville	290	@\$50.00
8	Fats Lincolnville	291	@\$49.00
1	Sow Larned	515	@\$34.00
<b>CALVES</b>			
1	Blk Miltonvale	220	@\$500.00
1	Grey Durham	145	@\$350.00
2	Blk Hope	73	@\$350.00
1	Blk Randolph	80	@\$235.00
1	Bwf Tampa	65	@\$185.00
<b>BULLS</b>			
1	Red Hillsboro	2225	@\$132.50
1	Blk Longford	2010	@\$131.00
1	Blk Gypsum	2165	@\$130.00
1	Blk Hillsboro	1695	@\$125.00
1	Blk Newton	1400	@\$125.00
1	Red Hillsboro	1695	@\$123.50
1	Blk Gypsum	1960	@\$122.50
<b>COWS</b>			
1	Blk Gypsum	1825	@\$123.50
1	Blk Salina	1800	@\$123.00
1	Red Barnard	1785	@\$121.00
1	Char McPherson	1760	@\$118.00
3	Blk Hillsboro	1630	@\$117.50
1	Blk Goff	1750	@\$117.00
2	Blk Salina	1960	@\$117.00
1	Blk Lincoln	1410	@\$116.00
1	Blk Gypsum	1535	@\$116.00
2	Blk Salina	1558	@\$116.00
1	Red Durham	1525	@\$115.00
4	Blk Lehigh	1554	@\$114.50
3	Mix Salina	1447	@\$113.50
3	Blk Delphos	1497	@\$112.50
2	Blk Beverly	1403	@\$112.00

# 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.fandrive.com](http://www.fandrive.com)

**CATTLE USA.com LIVE CATTLE AUCTIONS**

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

## Farmers & Ranchers

# FALL CLASSIC HORSE SALE

## OCTOBER 14-15, 2023

**Friday, October 13, 10 a.m. 15th Annual Futurity, 6 p.m. Rope Horse Preview**  
**Saturday, October 14, 7:30-9:30 Preview, Fall Classic Catalog Horse Sale starts at 10 a.m.**  
**Sunday, October 15, 26th Annual Colt & Yearling Sale starts at 10 a.m.**



**Early Consignments For THURSDAY, OCT. 5, 2023**  
36 steers, 700-800; 23 char X steers & heifers, 350-600, weaned, home raised, 2 round vaccinations; **PLUS MORE BY SALE TIME.**

**SPECIAL COW SALE!!!**  
**TUESDAY, OCTOBER 24, 2023 (10 AM Start)**  
**Get Your Cattle CONSIGNED!!**

**COWS:** 30 black/red 6-8 years old, bred black Angus, calving November/December; 40 black/red Angus 3-5 years old, heavy bred, bred black; 32+32 running age black pairs (Complete Dispersal); 25 running age black spring bred cows, bred Sim/Angus bulls (Complete Dispersal); 10+10 running age pairs; 100 black/bwf/red cows, 3-5 years old, bred black & red Angus, spring calvers; 60 black & red Angus spring cows, 3-5 years old, bred 3 black & 1 red Angus bull; 40 black cows, 3-5 years old, spring bred; 98+20 black & red cow & cow pairs, 3-5 years old, bred char; 2 black fall bred cows, 2-3 years old, bred black Angus, calving February; **PLUS MORE BY SALE TIME. HEIFERS:** 60 mostly black bred heifers, bred Angus; 25 red Angus/black/bwf heifers, red Angus Classen breeding blacks home raised, bred Balancer, calving March 11 for 45 days; **PLUS MORE BY SALE TIME. BULLS:** 7 yearling-18month old red Angus bulls, semen checked, trich tested; **PLUS MORE BY SALE TIME.**

### \*\*\*UPCOMING SPECIAL SALES\*\*\*

**HORSE SALE: October 13-15**  
**SPECIAL COW SALES: Tuesday, October 24 \* Tuesday, November 21 \* Tuesday, December 19**  
**CALF SALES: Tuesday, October 31 \* Tuesday, November 7 \* Tuesday, November 14**  
**WEANED/VACC SALES: Tuesday, December 5 \* Tuesday, January 2 \* Tuesday, January 9 \* Tuesday, February 6**

#### 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 Rathbun  
785-531-0042  
Ellsworth, KS

Check our listings each week on our website at [www.fandrive.com](http://www.fandrive.com)

