## Ranchers' price-fixing suit against Be on the lookout for Big Four packers dismissed

Drover's

Antitrust claims against the nation's largest beef packers by a group of ranchers have been dismissed.

A federal judge in Minnesota dismissed the claims filed by a putative class of cattle ranchers in a long-running case that alleged an industry-wide scheme to fix prices.

Judge John R. Tunheim of the U.S. District Court for the District of Minnesota ruled the plaintiffs lacked standing to pursue their central arguments. The ranchers can't refile their comhow they plan to amend the claims.

However, Tunheim indicated he was doubtful the ranchers could gain such approval, writing that they "have not shown how they would amend their complaint to establish antitrust standing or otherwise overcome the deficiencies in their first pleading."

The suit alleged the largest beef packers, JBS SA, Tyson Foods Inc., Cargill Inc., and National Beef Packing Co., conspired in an industrywide scheme to widen the "meat margins" between the cost of live

cessed beef. Further, the nackers were accused of forcing the cost of cattle down, and the price of beef higher, through cartel tactics like coordinated procurement and "slaughter restraint."

The lawsuit alleged the four packers violated the Sherman Antitrust Act of 1890 by engaging in a price-fixing conspiracy, and that they violated the Packers and Stockyards Act as well as the Commodity Exchange Act.

JBS reached a \$52.5 million class action settlement with beef wholesalers in September 2022. Tunheim wrote in his decision there are too many stages in the beef supply chain and too much time between the ranchers' sale of cattle and their purchase by meatpackers to adequately establish standing for the Sherman Act and Packers and Stockyards claims.

The brief ruling came about three weeks after Smithfield announced the third agreement, a \$75 million pact with consumers. Tunheim, who in January approved the company's \$83 million deal with wholesalers, also scheduled a Nov. 4

# hearing on the consumer

# Governor Kelly kicks off 2023 KS **Agricultural Growth Summit**

Kelly kicked off the eighth annual Kansas Governor's Summit on Agricultural Growth, a meeting of more than 400 leaders representing various agricultural interests across Kansas.

Kelly touted the importance of the industry to Kansas: In 2022, agriculture contributed over \$76 billion to the Kansas economy and fueled over 250,000 jobs 14% of Kansas' workforce. Recently she announced that Kansas exported nearly \$5.5 billion of agricultural goods – the most in the state's history.

"Despite the many hurdles thrown our way including the ongoing drought, which has devastated this summer's wheat harvest the Kansas ag industry remains strong," said Kelly. "There's doubt: Kansas remains a worldwide powerhouse in agriculture. But it's also clear that to keep our ag industry modern and competitive, we have to solve two major challenges facing us: water and workforce shortages."

Workforce and water were the focus of the morning sessions at this year's Ag Growth Summit. Kelly shared actions her administration is taking to solve water and workforce shortages, including by making record investments in water-saving infrastructure and expanding registered apprenticeships. Guest speakers insight, and then attendees broke up into groups for an interactive discussion on how we can work together toward solutions for these critical challeng-

"Many of the initiatives that have contributed to Kansas agriculture were the result of discussions here at the Ag Growth Summit," said Secretary of Agriculture Mike Beam. "We appreciate the commitment of leaders and producers who take time to engage in active discussion about what can be done to drive growth and how we can collaborate to move agriculture forward to benefit the state of Kansas."

Beam closed the conference by providing a summary of the morning's discussions on workforce and water and by recognizing the 2023 Kansas Ag Heroes.

2023 Kansas Ag Growth Summit and the full Ag Growth Project including materials shared in the day's sessions and a full list of the Kansas Ag Heroes visit www.agriculture.ks.gov/GrowAg.

worms in soybeans By James Coover, KSU Crop Production Agent

So far we have seen an oddly low number of worms in the soybean fields, but we still have plenty of time for outbreaks in the soybean fields. We've had a couple of reports from the Montgomery and Wilson counties of some type of small worm in the double cropped soybeans. Most likely these are the first or second instar of the soybean podworms (same species as corn earworms), but possibility green cloverworm or loopers.

Don't "preventatively" spray. You might kill some worms, but you will kill all the beneficial wasps and assassin bugs that are currently keeping the worm populations low. You might be missing the prime window when soybean pods are filling and right now the soybeans don't seem to have much leaf damage. Also, soybean fungus pressure has been low due to the heat and dry weather. Personally, I think why not wait a couple of weeks? If you're not seeing much out there now, then check to see soybean pests are becoming an issue and include a fungicide if spraying is warranted. Be on the lookout for stinkbugs and bean leaf beetles too.

Soybean Podworms (Corn Earworms)

Podworm/earworms have multiple generations during the summer, starting off as 'headworms' in wheat. As the corn dries down the moths and worms will travel from the corn into the soybeans. Soybeans close to corn fields are most at risk, but the moths have had plenty of time to travel. They take about a month to go from first instar to the most damaging fifth instar. Because these will feed directly on the pod treatment threshold is low at one worm per row foot.

#### **Greenclover Worms**

Some years we see lots of greenclover worms For more about the and other years we see very few. This worm and loopers are less of a concern except in very high numbers because they mostly feed on the leaves. They are often controlled naturally by an internal fungus that takes over when conditions are right.

#### Loopers

Loopers look a lot like greenclover worms, but they have different 'leg' locations. They also crawl differently, more like an inchworm. Loopers also feed mostly on leaves and rarely get to high pop-

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Governor Laura Kelly welcomed attendees to the Agriculture Growth Photo by Donna Sullivan Summit in Manhattan.

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50 choice blk feeder hfrs, off grass, 825-875#

54 mostly blk feeder strs, off grass, 900-950#

8 blk & Char strs & hfrs, long weaned, 2 rds shots, 700-850#
20 blk BWF hfrs, 2 rds shots, long weaned, 600-650#

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25 Blk and Red cows (SS) exposed Angus bulls since May 1.
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# Kansas Hay Market Report

Proud sponsors of the Kansas Hay Market Report are Bestifor and Yoder Seed Cleaning.

Compared to the last report, demand and trade activity remains slow, prices were steady. As hay harvest continues, additional scattered rainfall recently has led to further improvements in some of the highest categories of drought. According to the U.S. Drought Monitor for August 15th, the categorical percent area for abnormally dry conditions(D0) increased to near 18%, moderate drought (D1) decreased to near 24%, severe drought (D2) increased to 23%, extreme drought (D3) decreased to 17%, and exceptional drought (D4) decreased to 1%.

\*\*Prices below reflect the average price. There could be prices higher and lower than those published.

Southwest Kansas Dairy alfalfa steady; grinding alfalfa and ground and delivered steady; movement slow. Alfalfa: Dairy, 1.40-1.50/point RFV. Good, Stock or Dry Cow 220.00-280.00. Fair/good grinding alfalfa, large rounds, new crop 240.00-255.00, fair/weedy/grassy



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large rounds 185.00-195.00, large square 3x4's and 4x4's new crop 250.00-255.00. Ground and delivered locally to feed lots and dairies, new crop 270.00-280.00. Grass Hay: Bluestem: none reported. Oat hay, new crop 3x4's 160.00-170.00; Teff large rounds 180.00-185.00; Corn stalks, ground and delivered 180.00-195.00. The week of 8/13-8/19, 6,017T of grinding alfalfa and 0T of dairy alfalfa was reported bought or sold. South Central Kansas Dairy alfalfa steady; ground and delivered 10.00 lower; grinding alfalfa, alfalfa pellets mostly steady and movement slow. Alfalfa: horse, small squares 12.00/ bale; Dairy 1.40-1.50/point RFV. Good, Stock cow, 295.00-305.00. Fair/good grinding alfalfa, large rounds new crop 240.00-250.00 delivered, 3x4 and 4x4's new crop 245.00-255.00 delivered, rained on large square 3x4 and 4x4 140.00-150.00. Alfalfa ground and delivered 270.00-280.00. Alfalfa pellets: Sun cured 15 pct protein 320.00-330.00, 17 pct protein 340.00-350.00, Dehydrated 17 pct protein 410.00-420.00. Grass hay: Bluestem, large rounds 130.00-140.00, large squares, new crop 150.00-160.00, small squares 9.50-10.50/bale; Brome, new crop large rounds 165.00-185.00, large square 3x4's and 4x4's 175.00-185.00, small squares 11.50-12.50/bale. Oat hay, large square 3x4's 195.00-205.00 delivered; oat straw, large rounds. 100.00 FOB. Mixed grass CRP large rounds, 115.00-125.00. Wheat straw, large rounds 125.00-135.00, small squares 5.00-6.00/bale. The week of 8/13-8/19, 9,417.5T of grinding alfalfa and 0T of dairy alfalfa was reported bought or sold. Southeast Kansas Dairy alfalfa, grinding alfalfa, grass hay all steady, movement slow. Alfalfa: horse or goat, none reported. Dairy 1.40-1.50/point RFV. Good, stock cow 270.00-280.00 delivered. Fair/good grinding alfalfa, large square 3x4 265.00-275.00 Grass hay: Bluestem, small squares, 180.00-200.00, large square 3x4 175.00-185.00, large round 150.00-160.00. Brome, large square 175.00-185.00. The week of 8/13-8/19, 1,043.5T of grass hay was reported bought or sold. Northwest Kansas Dairy alfalfa and grinding alfalfa mostly steady; movement slow. Alfalfa: Horse or goat, small squares none reported, 3x3 squares 300.00 new crop 1st cutting. Dairy, Premium/Supreme 1.40-1.50/point RFV. Stock cow, fair/good 295.00-300.00. Fair/good grinding alfalfa, large square 3x4's 250.00-255.00. Alfalfa ground and delivered 270.00-290.00. North Central-Northeast Kansas Dairy alfalfa, grinding alfalfa, ground and delivered, grass steady; movements low. Alfalfa: Dairy 1.40-1.50/point RFV; Horse hay, premium small squares, 13.00/bale, 3x4's 290.00-300.00; Stock Cow 3x4's 230.00-240.00; Fair/ good, grinding alfalfa, large rounds 240.00-255.00, large square 3x4's 240.00-255.00, Alfalfa ground and delivered 275.00-300.00.Grass hay: Bluestem, small squares new crop 9.00-10.00/bale, large 3x4 squares 160.00-170.00, good large rounds 150.00-200.00. Brome: small squares 10.00-11.00/bale, large rounds, 135.00-145.00, large square 3x4's 185.00-195.00. Wheat straw: large rounds 110.00-125.00, small squares 5.00-6.00 per bale. Corn stalks: large squares 100.00-125.00 FOB. The week of 8/13-8/19, 950T of grinding alfalfa and 300T of dairy alfalfa was reported bought or sold.

\*\* Prices above reflect the average price. There could be prices higher and lower than those published. \*\*\*Prices are dollars per ton and FOB unless otherwise noted. Dairy alfalfa prices are for mid and large squares unless otherwise noted. Horse hay is in small squares unless otherwise noted. Prices are from the most recent sales. \*CWF Certified Weed

# Needing a quick-growing tree thanks to storm damage? Not so fast!

damage, some people need to find replacement trees. Fast-growing plants can be a blessing when you need something in your landscape as soon as possible, but come with their own set of drawbacks. Some of the fastest-growing trees aren't native to North America and run the risk of becoming invasive. Even native trees can turn brittle if growing too fast, and the faster a tree grows, the

subpar structure. However, there are some good compromises between fast growth and strong trees.

Oaks are not known for their fast growth, but Chinquapin and red oaks are exceptions to this rule, with each growing at over two feet per year. Chinquapin oaks are one criminally underrated and underplanted tree, but are gaining more popularity in landscaping, so they are becoming easier to find in garden centers. They are also one of the best white oak species for Southeastern Kansas, and come with my full recommendation. However, don't try to fit square pegs in round holes - there may be better choices for your specific location. If you ever have any questions about putting a specific tree in a certain spot, your local Extension office can help you find the best tree for

what you need. Because fast-growing trees quickly outgrow arm's length, it will take extra diligence during the tree's early years to prune out any poor branching structure before the tree's growth kicks into high gear and you need extra equipment to do any corrective pruning. Most leader with multiple horizontal limbs, called excurrent growth. Some species such as redbuds and ornamental pears fight against this convention, instead sending multiple branches upwards - this is known as decurrent growth. This results in nice-looking canopy shape, but creates a potential point of failure in strong winds. The point at which these upward stems diverge is called the crotch, and the lower that this crotch occurs on the trunk, the more likely you are to experience a total tree failure. Trees that already have weak wood have a much higher risk of failure, so ornamental pears, silver maples, ashes, and pecans all need substantial corrective pruning when they are still small.

When buying a tree from a nursery, you have the option of getting smaller individuals or larger individuals. There are pros and cons to each. Buying a larger tree from the getgo gives you a head start toward a mature tree in the landscape. Most larger trees will also be set in their branching structure, so trees with the right structure will need minimal correction, if any.

However, larger trees are a bigger money investment, are harder to transport, and will go through greater transplant shock once you get the tree in the ground. If you are okay with providing extra care to the tree in its first year until the transplant shock wears off, then a larger tree might be worth the investment. On the other hand, if your tree needs corrective pruning, if you are concerned about the effects of transplant shock, or if you are trying to save money, a smaller individual is usually worth the extra time that it will take for the tree to grow.

For every tree, the best time to be looking to plant trees is in the fall. The soil is still warm from the summer, which encourages root growth. The temperatures are falling, but still relatively warm, and you can get an idea of what fall color your tree will have before you buy it. Your extension office will have publications on how to plant and care for newly planted trees, to give your investment the best possible chance of paying off.

For more information, please contact Jesse Gilmore, Horticulture Agent, jr637@ksu.edu or (620) 724-

## SATURDAY, SEPTEMBER 9, 2023 – - 9:30 AM

POTTERY, CROCKS, GLASS Large collection Roseville pottery; Prussia bowl; Hall tea pot; white vine pedestal; jardiniere bases damaged; Hull pottery; Weller pottery; Dryden pottery; large collection pink Depression; Muggsy cookie jar; 2 large Alamo pottery vases; blue Coors pottery; Electric Aladdin lamps; custard pieces; glass horse bookends; kerosene lamps; Cowboy lamp; World War books; Edison Mazda lamp bulbs: Cosmos lamp: milk bottles; yard long pictures; collector plates; Crocks: 4 gal

water filter; Red Wing jugs 3

Auction will be held in Kenwood Hall at the Saline Co. Expo Center, 900 Greeley, SALINA KS & 4 gal; 3 & 5 gal birch leaf churns; salt glaze churns; 3 & 4 gal Crown churns; other churns; crock lids; churn lids; RW Poultry Drinking Fount; many more crocks; 2 wooden locomotives; curling stone; Salina post card album; assortment newer Christmas; Community plate flatware; Watling 1 cent scale; wind up toys, some in boxes; cast iron stock farm (barn & animals); farm toys; Ken doll; homemade ferris wheel; Donald Duck camera; many reference books; wooden chicken crates; cast iron wall shelf; glass grinder;

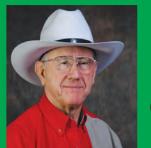
Sylvan Grove trade tokens: glass churn; spice tins; banjo; violin; Iten biscuit jar; Precious Moments dolls; Beanie Babies; cream cans; Wolf's lard tin; high back saddle: Wards Special ice shaver; Hoosier sugar jar; Metal ice box 36" tall x 16' square; table & 4 chairs; piano bench; tiger oak dresser; 7 chimney cupboard: Kenmore 5 cu upright freezer; gun cabinet; bookcase; hall trees; 60s floor lamp; 2 curved glasses for china cabinets; Vornado fan; iron leg lamp table; parlor table; Perfection heater; metal bed.

NOTE: There is a very large collection of Roseville, many boxes have not been unpacked. This is the second sale for Kenny. There are many pieces of Roseville, Hull, Weller, Dryden, Depression glass. Check our website for pictures at www.thummelauction.com

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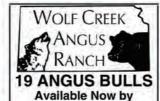


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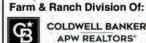
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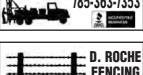
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# Now is the time to sample, test, and analyze your forages

Forage quality can often get overlooked during the hustle and bustle of summer. However, it's worth taking the time to forage tests because the information can pay off in the long run. The lack of rainfall this season has begun to create concerns about the quantity of hay available this fall. Drought conditions present concerns of smaller hay supply and higher prices.

During a drought, the nutrient availability of each hay cutting becomes a significant concern. In dry growing conditions, there is less nutrient mobility and microbial activity, which affect plant uptake and nutrient use. A forage test analysis can provide information on dry matter, digestibility, and protein content. Proper feeding reduces waste and lowers costs with the bonus of improving animal behavior in many regions of the country because of drought, a the result of nitrate toxicity lot of hay changed hands in recent years. Purchased forage should still be tested just like a producer would do for his/her own homegrown bales. Testing your forage will ensure in drought-stressed plants what you have in your feed for matching and meeting your animals' nutritional requirements. In addition ing, samples should reflect to nutrients, forage tests can tell producers if there are any toxins present in their feed.

Drought-stressed crops such as corn and sorghum, sorghum-Sudan grass, Sudan, and millet tend to accumulate high nitrate levels in the lower leaves and stalk of the plant. Nitrates accumulate in the lower portion of these plants when stressed. Nitrate toxicity in livestock is because of its absorption into the bloodstream and binding to hemoglobin, ren-

ygen throughout the body, in livestock is eventual asphyxiation and death. It is wise for producers to test their drought-stricken forage prior to harvest. Levels of nitrates can increase after a rain and delaying harvest may be beneficial.

If testing before harvestwhat the animals are expected to consume, generally leaves and upper portion of the plant. Sample a minimum of 15 sites across a given field. One method is to sample from each corner and the center by walking diagonal lines and sample plants every 50-100 steps or as appropriate for field

Collecting a forage sample might seem like a difficult task but it can be made easy with these simple steps. 1.) Obtain a hay-sampling probe, which can be obtained from your local Extension office. 2.) For large round or square bales, the probe should penetrate at least 18 inches into the bale and have an internal diameter of at least 3/8 inch. About 20 core

With short feed supplies dering it unable to carry ox- from each bale by coring straight in from the center of the end of square bales and from the wrapped circumference of round bales. Place the entire sample into a plastic bucket, mix it around, and then fill a plastic zip-lock bag for transport. Make sure to label each "lot" sampled based on cutting date, location, and producer's name. 4.) For chopped or ground hay, collect about ten small samples during the grinding process and place them in a plastic bucket for mixing then place the sample into a zip-lock bag for transport. If you are sampling a pile, take about one-fourth of the samples from the top half of the pile and the rest

from the lower half. Forage analyses are an inexpensive technique to know what you are feeding your cattle. Forage probes can be checked out at any River Valley Extension office. Additionally, we will help you select the proper analysis for your operation and send your samples off to a certified laboratory. If you have any questions, please contact Kaitlyn Hildebrand in the Concordia office at 785-243-8185 or at

#### samples are considered a khildebrand@ksu.edu. lot. 3.) Collect one sample Killer wasps? Only the cicadas need to worry By Maddy Rohr, K-State Research and Extension news service

They may look brilliant to the human eye, but cicada killer wasps are certainly no ally to the six-legged, threeeyed insect whose steady buzz can be heard on most summer nights in Kansas.

Kansas State University horticulture expert Cynthia Domenghini said it is common for cicada killer wasps to build nests in lawn and garden areas around the home. 'At about one and a half inches long, cicada killers

are an intimidating wasp. They have reddish- colored wings and legs and a black abdomen with wide, yellow stripes," Domenghini said.

Females have a stinger which is used to paralyze their prey. Domenghini said they rarely sting people unless agitated. Males are smaller and do not have a stinger.

"Females are responsible for locating cicadas and paralyzing them with their stinger. She then carries the cicada back to her burrow. Each burrow can house up to 20 cicadas," Domenghini said.

There is one generation per year of cicada killers, beginning with larvae hatching. Adult cicada killers are most abundant during June and July, then die in early "Cicada killers typically cause very little damage to

the landscape. A heavy infestation may become a nuisance as they protect their nests, and the burrows may menghini said.

Cicada killers prefer well-drained, light soils in full sun, she added.

"They may burrow along sidewalks or flowerbeds but do not like areas covered with mulch," Domenghini said. "Maintaining a thick, healthy lawn is the best control for preventing burrows."

Domenghini warns that pesticides are not usually necessary since adults are only present for about two months beginning mid- to late summer, but Permethrin may be used for control.

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, or contact your local K-State Research and Extension office.



## You Don't Know What You Don't Know

I haven't been at it last I checked, weeds self? It sure didn't feel - one misidentification long, but I'm seeing didn't grow quite that like it, but I had barely is all it takes to end that foraging is difficult in ways I hadn't anticipated: It's actually quite hard to learn ly shaped, were noon your own when you ticeably different in don't know what you don't know. It's harder you don't even know what you thought you knew going into it. My main focus right now is on identifying local ilar? You'd think na- far aren't helping me don't know what that day, after adding a few new pages to the ever-growing binder of plant information I've been putting together, I grabbed it along with a notepad and pen, and headed off to my favorite trail. It's a heavily wooded path with wild foliage, and with a careful foot, you can make it down to a serene creek. My goal was to get to said creek and see what I could find along the bank. I walked maybe 20 paces into the mouth of the trail before getting distracted by some familiar, heart-shaped leaves poking out of the ground (spoiler alert – I never made it to the creek). I was pretty sure that these did not belong to a weed, but they looked very similar to a couple different ones I had just been reading about; could it be miner's lettuce, wild ginger, maybe garlic mustard? I paused to look through my binder, but quickly deflated as I came to the conclusions of no, no, and definitely not. How did I know for sure? For one, the leaves sprouting along the ground looked exactly like some leaves stretching sporadically across the branches of several very tall trees in the same area. I confirmed

these leaves didn't

belong to a vine, and

tall. Also, the leaves even started. I knew in up sick, or worse. Adof each plant in my that moment I wasn't mitting that you don't binder, while similar- ready to give up, not recognize a plant is far size and abundance my own into an un- I learned I have the from what I was actu- known world with lit- exact level of caution when you realize that ally looking at. At this tle guidance, so it's that I need to for(a) point, I was starting reasonable that I'm ge on (pun intended), to feel overwhelmed. struggling to find a and that is encourag-Why did everything place to start, that the ing. The grand concluhave to look so sim- things I'm learning so weeds and their hid- ture would have more on my walks. It wasn't plant was. It's probably den usefulness. One variety. Checking my for naught; that short- a safe, semi-educated physical resources off lived and disappointthe list of "things that ing excursion taught redbud sapling, and I'll are helping me right me that I need to shake now," I reluctantly up my tactics. Maybe turned to Google Re- I need to look for a verse Image Search, new source or use difnot expecting much, ferent keywords when it's okay that I don't The answer it gave I search for informame? Eastern Redbud. tion. Maybe this will What?? That's prepos- be the push I need to I don't know, because I terous, I thought. Red- try and find a local nabud is one I actually ture group or an online know, because they're forum to meet new, prolific enough around more knowledgeable here to have streets people (as horrifying and named after them. As this affirmation, anoth-I scrolled through the er important thought results, getting more struck me like lightindignant about how this couldn't be possible, it occurred to me that I couldn't confidently identify a redbud when it wasn't in to have. Not only is it bloom. Perhaps the humbling, but a very trees were just barren until next spring, or perhaps they had shoots of green, heartshaped leaves that I'd never gotten close enough to pay attention to before. I jotted down some notes as I pondered this and then noticed I was short on time, so I left the trail without getting any farther, feeling the prickle of dissuasion creeping into my chest. I lamented to myself what a waste of time this had been, and how useless what little knowledge I had was. This is so daunting; will I ever have

a hope of knowing

enough to confidently

forage and care for my-

just yet.

neighborhoods as that sounds). With ning; I also learned that I don't know everything I think I know, and wow, is that some powerful knowledge valuable mindset when doing an activity such as foraging for medicinal plants. You do NOT want to make a mistake with what you're using

better than confident-I'm jumping off on ly identifying it wrong. sion here is that I still guess to say it was a certainly be taking a closer look next season at any tree with those classic pink buds, but know for sure yet. It's even better that I know get the sense that will save me at some point in the future. What's important right now is not what I don't know, but that I stay on my quest and keep learning, because you don't know what you don't know, until you do.

DISCLAIMER: NOT consume any wild plant or mushroom without making definite identification using multiple sources. If in doubt, do not eat it. Anyone who ingests wild plants does so at their own risk: Grass & Grain is not responsible for the consequences thereof.

## 545 ACRES, 3 TRACTS - GREENWOOD COUNTY,

FRIDAY, SEPTEMBER 22, 2023 - 2:00 PM **AUĆTION LOCATION: GREENWOOD HOTEL,** 300 N. MAIN, EUREKA, KANSAS

AUCTIONEER'S NOTE: These 3 tracts are a diverse selection of tillable farm ground, pasture, hunting, fishing and recreation INVEST IN LAND! TRACT 1: 156 acres with tillable, pasture, quality trees, rolling terrain

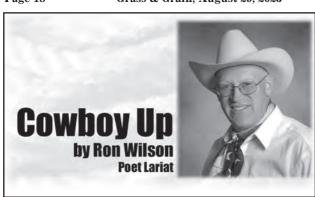
abundant wildlife & a pond FRACT 2: 274 acres of pasture with an 8  $\frac{1}{2}$  acre watershed lake, rolling

terrain, and blacktop frontage TRACT 3: 114 acres of Bachelor Creek bottom tillable, creek, trees fishing, and hunting

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## Bonnie and Clyde Return

story of a Bonnie and Clyde sighting.

Our ranch has an old concrete bridge over a deep creek bed. Decades ago, a previous owner dumped an old truck in the creek next to the bridge, I assume to keep the sides of the creek bed from eroding. It has worked well. There was even cement dumped on it at some point.

As a result, there is a cool-looking late 1930s/ early 1940s-model truck lodged in the creek next to the bridge. That bridge is

The following is a true havrack rides when guests come to visit the ranch.

A few years ago, we had a group come to visit in late October (I think it was a 4-H club that was having a Halloween party). On Halloween night, we were to provide a hayrack ride.

I decided that I would

make up a tall tale to tell the group about the truck, just for fun. Before the hay wagon left for the ride, I told the group that in the 1930s there were some bad bank robbers named Bonnie and Clyde. Then I told them a fanciful tale (totally made up) about how Bonnie and Clyde robbed

And then it happened years later, when our neighbor's donkeys got loose, They were caught and brought to our ranch so they wouldn't again vamoose. The owner made the trip over for donkeys' possession, he reclaims. He told us that "Bonnie and Clyde" happened to be these donkeys' names. It fit with my tall tale of yesteryear, of robbers in our countryside, So I thought that it was quite fitting: The Return of Bonnie and Clyde.

**Bonnie and Clyde** 

By Ron Wilson, Poet Lariat

Bonnie and Clyde were bad guys,

bank robbers of yesteryear.

I made up a tale for the kids

of how Bonnie and Clyde were once here.

It was purely a made-up story

of Bonnie and Clyde on the run: An imaginary tall tale,

all made up for Halloween fun.

Happy Trails!

a bank in Manhattan, Kansas on Halloween Day.

I told them that the police were chasing Bonnie and Clyde after they robbed the bank, and that Bonnie & Clyde drove out into the countryside and onto our farm. "Bonnie and Clyde crashed their truck into the creek and got away under the bridge.

"Now according to legend," I went on, "every year on Halloween night,

them years later," I said.

you can see Bonnie and Clyde's old truck if the moon is just right, so stay alert." Then we took the hayrack ride across the meadow and across the bridge. There the kids were able to see what was Bonnie and Clyde's alleged truck. The kids were so excited! The club leaders and I all had a laugh. It was a good time.

Fast forward to today. I got a call from the county police department: "Two donkeys are loose on the state highway near your place. Are they yours?"

Uh-oh. We own one miniature donkey plus several horses. I made a quick check and was relieved to find that all our livestock were in place and secure. I reported this to the county staff, who advised me that the two runaway donkeys were now standing in a neighbor's backyard next to the highway a couple of miles away.

I went over to the neighbors to see if I could help. Sure enough, at the neighbor's place there was a pair of donkeys (male and female, technically a jack and a jenny) standing on their unfenced lawn. The donkeys were calm and friendly but we didn't know where they belonged.

Calls around the neigh-

borhood proved fruitless. I left a message on one person's cell number which it turned out had been reassigned to someone new. Imagine the conversation when the new owner of the number retrieved that message: "Hey Mabel, some idiot wants to know if our donkeys are out. Is this some drunk prank?!"

The donkeys were now at a place with no barn, panels or pen in which to hold them, so I volunteered to trailer them to our place and care for them until the owner was found. We did so and reported all this to the coun-

Eventually my wife was able to track down the owner. He was nice and apologetic, and came and got the runaways. "These are very nice

donkeys," I said. are their names?" "Bonnie and Clyde," he

Wow. It was as if those outlaws made one last trip to the ranch.

# Consumers still prefer beef over alternatives

Insights Report, 1,200 surveyors were asked to compare beef from cattle to alternatives including plant-based, cell-cultured and lab-grown. Each surveyor was randomly assigned one of the three options to compare beef

The researchers found that consumers have yet to embrace meat alternatives as better than beef from cattle. The sole exception is that plant-based alternatives are rated higher than beef on the animal-welfare dimension.

"The biggest takeaway from our alternative meat questions is that consumers still overwhelmingly prefer beef from cattle across a wide range of product attributes. This result reinforces the fact that plant-based meat remains a niche product. And while cell-cultured meat has not yet hit the market, our study highlights that marketing — and in particular, the naming of a new product or technology — can influence consumer perceptions of the

In the July 2023 Consumer Food product," said Joseph Balagtas, the new director of the Center for Food Demand Analysis and Sustainability and a professor of agricultural economics at Purdue University.

> The U.S. Department of Agriculture's Food Safety and Inspection Service has used the term "cell-cultured" in its recent directives on these products. "There is potential for some tension if food companies find that a term like 'lab-grown' markets better," he said.

> Additional takeaways from the monthly survey include:

- · Household food-at-home spending is up 4.6 percent from July 2022, reaching its highest level yet.
- · Consumers' predictions for food inflation over the next 12 months have dropped to 3.7 percent, the lowest recorded by this survey.
- Food insecurity is a percentage point lower than last month but higher than the 2022 average for the third straight month.



## Yard & Garden Tips By Gregg Eyestone

### Soil Temp Determines Fertilizing Date peratures of 60 to 75 de-

grees. Root growth is 50 to

65 degrees. These are soil

temperatures at four inch-

The calendar indicates that the fescue or bluegrass lawn should be fertilized soon. Temperatures indicate that we should wait a little bit. Fertilizer provides additional resources for the plant to use, but only when it is growing. Cool-season grasses won't use fertilizer until it cools down.

Research indicates that cool-season turf roots which take up the fertilizer stop growing when soil temperature is above 77 degrees. The soil temperature in Riley County is around 79 degrees. K-State's weather data library records soil temperatures around the state. You can check them at www.ksre.ksu.edu/wdl.

Optimum grass shoot growth is with air tem-

es below the soil surface. We have a ways to go before they drop to optimum growth. September is tradition-

ally the most important time to fertilize cool-season grasses. Once the grass starts growing again, we want it to have all it needs to grow and fill in areas. This will keep weeds from growing in the open spots. An inch of water a week will also keep the grass growing.

Nitrogen fertilizer is the major nutrient most established lawns need. Apply 1 to 1.5 pounds of actual nitrogen per one thousand square feet of lawn. Fertilizer bags usually cover five to ten thousand square feet with one pound of actual nitrogen. Organic fertilizers aren't as concentrated, and more to the recommended nitrogen amount.

Apply the fertilizer evenly across the lawn. Overlapping is good if all the grass gets the same amount. Streaks appear when one area gets less nitrogen fertilizer than another.

Fertilizer that lands on hard surfaces must be distributed on the yard evenlv. If not, this fertilizer washes into storm drains. It is a waste and becomes a pollutant when not put on the lawn.

Contact me or go to k-state.edu/turf/ for additional information.

You can find out more information on this and other horticulture topics by going to the Riley Countv. K-State Research and Extension website at www. riley.ksu.edu. Gregg may be contacted by calling 785-537-6350 or stopping by 110 Courthouse Plaza in Manhattan or e-mail:



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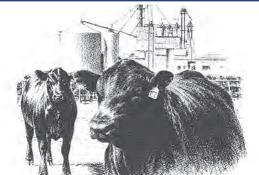
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**EARLY CONSIGNMENTS FOR AUG. 30** 20 Purebred Angus Fall bred cows, running age, bred to Lyons Angus Bulls.

**PLUS MORE BY SALE TIME!** 

HORSE & TACK SALE: SAT., SEPT. 16TH

TACK - 9:00 A.M. · HORSE - 2:00 P.M. \*CATALOG DEADLINE IS SEPT. 1\*



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**AUGUST 22ND SALE** CANCELED DUE TO HEAT

SEE FACEBOOK PAGE FOR CONSIGNMENTS!

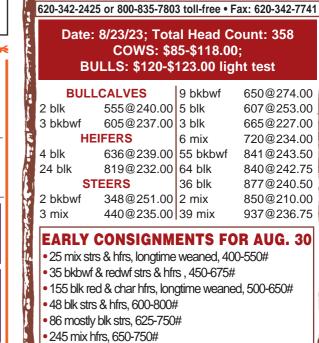
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SHEEP & GOAT SALE: SAT., SEPT. 2<sup>ND</sup>



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## Governor updates declaration of drought emergency, warnings and watches for Kansas counties

drought declarations for Kansas counties with Executive Order #23-04.

'Kansans have been resilient in the face of drought this past year," said Kelly. "Even with some regions receiving significant rainfall, I strongly encourage all Kansans to continue to be mindful of ways we can conserve water and minimize fire hazards."

The drought declaration placed 55 counties into an emergency status, 18 counties in a warning status and 32 into a watch status. This action was recommended by Connie Owen, director of the Kansas Water Office and While most of western change."

Governor Laura Kelly Kansas have seen relief has approved updated from drought in the last cy agreement between those counties identified two months, central and the Kansas Water Ofsoutheast Kansas have fice, Kansas Department continued to be dry, with of Wildlife and Parks nearly 30 percent of Kansas currently in extreme or exceptional drought.

the effects of the drought conditions from the from certain state fishpast year. With drought conditions persisting throughout parts of the state, we are continuing to see stressed surface and ground water supplies, negative effects on crop production and elevated wildfire risk," said Owen. "The Governor's withdrawals from lakes. Drought Response Team These requests will in will continue to monitor turn be referred to the the drought conditions appropriate office to obacross Kansas and make chair of the Governor's recommendations to Gov-Drought Response Team. ernor Kelly as conditions water.

Through an interagenand Kansas Division of Emergency Management, counties in emergen-"We are still seeing cy stage are eligible for emergency use of water ing lakes. These counties also become eligible for water in some federal reservoirs.

Individuals and communities need to contact the Kansas Water Office for a water supply request prior to any tain necessary permits to withdraw requested

This Executive Order the situation closely and Ottawa, Pawnee, Phillips,

shall remain in effect for work to minimize the neguntil rescinded by Executive Order ending the declaration or revising information about curthe drought stage status of the affected counties.

#### Effective immediately, Executive Order #23-04:

- Declares a Drought kwo.ks.gov. Emergency, Warning or Watch for the counties as identified below;
- Authorizes and dithe appropriate watch, Dickinson, warning or emergency sponse Team.

The Governor's Drought Response Team

ative drought-induced effects on Kansans.

For more detailed rent conditions, visit the Climate and Drought webpage on the Kansas Water Office website at

#### **County Drought Stage Declarations:**

Drought Emergency: Allen, Anderson, Barton, rects all agencies under Bourbon, Butler, Chase, the jurisdiction of the Chautauqua, Cloud, Cof-Governor to implement fey, Cowley, Crawford, Edwards. Elk, Ellis, Ellsworth, level drought response Finney, Ford, Gove, Graactions assigned in the ham, Greenwood, Har-Operations Plan of the vey, Hodgeman, Jewell, Lyon, Marion, McPherson, Mitchell, Montgomery, Morris, Neosho, will continue to watch Ness. Norton. Osborne.

Pratt, Reno, Republic, Rice, Rooks, Rush, Russell, Saline, Sedgwick, Smith, Stafford, Sumner, Trego, Wilson, Woodson.

Drought Warning: Cherokee, Clay, Decatur, Douglas, Franklin, Geary, Johnson, Kingman. Labette, Linn, Miami, Osage, Pottawatomie, Riley, Shawnee, Sheridan, Wabaunsee, Washington.

Drought Watch: Atchison, Barber, Brown, Cheyenne, Clark, Comanche, Doniphan, Grant, Gray, Greeley, Hamilton, Harper, Haskell, Jackson, Jefferson, Kearny, Leavenworth, Logan, Marshall, Governor's Drought Re- Kiowa, Lane, Lincoln, Meade, Morton, Nemaha, Rawlins, Scott, Seward, Sherman, Stanton, Stevens, Thomas, Wallace, Wichita, Wyandotte.

## ServiTech hires conservation agronomist to encourage conservation and carbon strategy on company's extensive list of services

dustry moves toward collecting data on its carbon footprint, ServiTech is poised to assist growers and co-op managers with its own conservation agronomist. ServiTech has hired Chris Lobmeyer, Plymell, Kan., to lead this area of agronomy and help growers navigate the evolving environmental and carbon-market focused programs now available.

With an extensive career in agriculture, crop consulting and most recently technology, Lobmeyer will lead ServiTech's agriculture, consulting and lab services customers through the aggressive carbon market. ServiTech welcomes Lobmeyer to the team as an essential tool in the company's toolbox.

As the agriculture in- Bachelor of Science in ag- in the feed and cattle in- conservation programs. coming Farm Bill will most riculture, majoring in animal science, from Kansas State University. He maintained a conservation-focused degree program, studying range management, while also working for his family's farm near Garden City. Lobmeyer watched his brother, who manages the farm, convert acres to no-till and says his range management, biology and ecology courses from K-State sparked his interest in conservation

> "In the end, every farmer and every agronomist is an ecologist," Lobmeyer says. "Applied agriculture is biology and nature is going to win. Growers naturally protect the environment with all they do."

After graduating from

dustry, managed his own His job will include conseed plant then began working for ServiTech as an agronomist for five seasons. He spent time in industry and worked as an independent crop consultant before spending nearly three years at Indigo as a technical services agronomist focused on soil health.

"My time with Servi-Tech was the best education I had because I was able to see how different farmers operate, both good and bad," Lobmeyer says. "I was able to witness a lot better, more consistent farms due to conservation practices.

As ServiTech's Conservation Agronomist Lobmeyer says he will work to help co-ops and growers navigate the current carbon markets and newer

sulting with customers to also focus on building relationships in the carbon industry to benefit growers long term.

Ryan Hassebrook, president and CEO of Servi-Tech, says the company's new conservation agronomist position will be critical to co-op owners and growers who need advice as they work through cover cropping, no till practices and carbon credits.

"Chris brings a wealth of knowledge in regenerative agriculture and has contacts with the Natural Resources Conservation Service at the U.S. Department of Agriculture," Hassebrook says. "The up-

likely provide dollars for cover cropping that Chris find ways to reduce inputs can help our customers that add to their bottom work toward. As growers line. Lobmeyer says he will navigate drought and disasters, ServiTech is ready to provide them with someone to provide strategies and to mitigate catastrophies."

Lobmeyer is a board member of the Kansas Ag Research Technology Association, president of the Garden City regional music Tumbleweed Festival and is a member of the Garden City band boosters. He has four children and lives in Garden City.



Conservation Agronomist Chris Lobmeyer of Plymell, Kansas. Courtesy photo

## nderstand your opponent: fight mastitis by the pathogen

Mastitis is not a onetreatment-fits-all disease, and it can show up on a

dairy in many places. "Mastitis is an opportunistic disease, with most infections coming from well-established dry cow bacteria entering the teat therapy programs on our and reaching the mammary gland," shared Linda Tikofsky, DVM, Boehringer Ingelheim. "So many organisms can cause it, but there are ones that are more common than others that we see repeat themselves, rather than just oddball infections." Streptococcus (Strep) agalactiae, Staphylococcus (Staph) aureus, Strep dysgalactiae and Escherichia coli are four well-known pathogens that cause mastitis.

Prevention protocols are the best method of keeping mastitis in check. To decide where prevention measures may need to be strengthened, you must know where the pathogens are coming from and how they are infecting your cows. We can break down mastitis pathogens into two categories: contagious and environmental.

"Strep agalactiae and Staph aureus are both contagious pathogens," explained Dr. Tikofsky.

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Horse/Tack Auction- Every 2nd Saturday

August 29th - NO Sale

September 5th - NO Sale

September 9th - Horse Sale

September 12th - Calf & Yearling Special

September 16th - Sheep & Goat Sale

ALL WEIGH COWS & BULLS SELL AT THE END

"They primarily live in the through their microbiologcow's udder and spread from cow to cow at milking time." Luckily, with the help of strong milking parlor protocols and modern dairy farms, the risk of contagious mastitis has been greatly reduced. "Strep dysgalactiae and E. coli are environmental pathogens," she continued. "They can be found in a variety of places on the dairy, like bedding, manure, water or the milking parlor if proper hygiene isn't practiced." Environmental pathogens are more of a concern within our dairy herds today, because they are the most opportunistic pathogens, ready to infect cows at any time.

Dr. Tikofsky reminds us that having strong, hygienic parlor protocols, good bedding and manure management, solid dry cow procedures and well-balanced rations are all great places to start when preventing and managing mastitis. Segregating mastitis-positive cows and healthy cows is another great practice, she added.

Mastitis infections can be generally defined

ical group classifications: Gram-positive, Gram-negative or no-growth. Knowing the classification of a mastitis case can help you choose the best treatment

options. Gram-positive infections are the ones we need treatment on. These mastitis infections are most likely to become chronic if left untreated, and should be treated with a short-duration antibiotic labeled for Gram-positive

pathogens. Gram-negative and nogrowth mastitis infections are cases in which an animal will likely not benefit from treatment. A nogrowth case lets us know that the cow has cleared the infection on her own and will not need antibiotics. Many mild to moderate Gram-negative mastitis infections will self-cure and providing an antibiotic treatment will make no difference in the outcome. However, it is important to work with your veterinarian to develop protocols

care for severe Gram-neg- there may be little to no tion and treatment protoative cases.

With the help of your herd veterinarian, an onfarm culturing system can tion herself. help differentiate between ing results within 24 hours. By keeping records of what concluded Dr. Tikofsky. "It cases are causing the most is important to remember trouble, you can pinpoint what protocols need to be

strengthened. Here is a basic outline of how each of the four well-known mastitis pathogens will show up on a

- culture plate: • Strep agalactiae and Staph aureus are both contagious pathogens and will show up as Gram-positive. They have characteristic growth patterns that can help identify their presence and provide indication that you should alert vour veterinarian.
- Strep dysgalactiae is an environmental pathogen and will also show up as Gram-positive.
- · E. coli is an environmental pathogen but will
- that address supportive on your culture plate,

bacteria left in the udder, because the cow has already cleared the infec-

"There is not one sinfor mastitis prevention," that preventing mastitis is multifactorial." With the help of your veterinarian, implementing an on-site culturing system can help decipher when antibiotic treatments are necessary, and where most cases of mastitis originate on your dairy. By knowing your top pathogen opponents, you can build the best preven-

cols to keep mastitis under control. About Boehringer Ingel-

heim Animal Health USA

Boehringer Ingelheim these classifications of gular spot on the dairy Animal Health is working on mastitis infections, provid- that we need to look at first-in-class innovation for the prediction, prevention, and treatment of diseases in animals. For veterinarians, pet owners, producers, and governments in more than 150 countries, we offer a large and innovative port $folio\ of\ products\ and\ services$ to improve the health and well-being of companion animals and livestock.

> Learn more about Boehringer Ingelheim Animal Health USA at bi-animalhealth.com.



Trend on Calves: Steady to a bit lower on light test.

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316-320-3212

Fax: 316-320-7159

2595 SE Highway 54, P.O. Box 622.

Trend on Feeder Cattle: Not enough feeder cattle to test the market. Frend on Cows & Bulls: Steady to firm.

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25 mx steers & heifers, 600lbs

50 blk steers & heifers, off cows, 450-650lbs 120 steers & heifers, HR, LTW, 750-850lbs

180 mostly blk steers, off grass, 850-950lbs

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Cattle Sale Every Thursday 11:00 AM

**Holton Livestock Exchange, Inc.** 1/2 mile East of Holton, KS on 16 Highway Livestock Auction every Tuesday at 11:00 AM 

MARKET REPORT FOR TUESDAY, AUGUST 22, 2023 Not enough cattle for a market test due to extreme heat. FOR FULL RESULTS, VISIT OUR WEBSITE: WWW.HOLTONLIVESTOCK.COM

LIVESTOCK PRODUCER MEETING,

Thursday, September 7, 6:30 PM **Practical Use of LRP (Livestock Risk Protection)** Presented by Joe Kovanda, Compass Ag Solutions

Please join us for this informative meeting.

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# Could soil microplastics possibly introduce resistant superbugs to the food supply?

Like every industry, modern farming relies heavily on plastics. Think plastic mulch lining vegetable beds, PVC pipes draining water from fields, polyethylene covering high tunnels, and plastic seed, fertilizer, and herbicide packaging, to name a few. In a new review article, University of Illinois Urbana-Champaign researchers say these plastics are now widely dispersed in agricultural soils in the form of microplastics and nanoplastics.

That's not necessarily new; microplastics have been found in nearly every ecosystem and organism on Earth. The twist, according to the College of Agricultural, Consumer and Environmental Sciences (ACES) researchers, is that micro- and nanoplastics in agricultural soil could contribute to antibiotic resistant bacteria with a ready route into our food supply.

"Plastic itself may not be very toxic, but it can act as a vector for transmitting pathogenic and antimicrobial resistant bacteria into the food chain," said study author Jayashree Nath, postdoctoral researcher in the Department of Food Science and Human Nutrition in ACES. "This phenomenon is not very well ferent kind of stress, but

wanted to raise awareness.'

If the link between microplastics and antibiotic resistance is less than obvious, here's how it works. First, plastics are an excellent adsorbent. That means chemical substances and microscopic organisms love to stick to plastic. Chemicals that would ordinarily move through soil quickly things pesticides and heavy metals — instead stick around and are concentrated when they encounter plastics. Similarly, bacteria and other micro-organisms that occur naturally in soil preferentially congregate on the stable surfaces of microplastics, forming what are known as biofilms.

When bacteria encounter unusual chemical substances in their new home base, they activate stress response genes that incidentally help them resist other chemicals too, including, sometimes, antibiotics. And when groups of bacteria attach to the same surface, they have a habit of sharing these genes through a process called horizontal gene transfer. Nanoplastics, which can enter bacterial cells, present a dif-

same outcome.

"Bacteria have been evolving genetic mechanisms to cope with stress for millions of years. Plastic is a new material bacteria have never seen in nature, so they are now evoking these genetic tool sets to deal with that stress," said co-author Pratik Banerjee, associate professor in FSHN and Illinois Extension specialist. "We have also shown bacteria may become more virulent in the presence of plastics, in addition to becoming more resistant to antimicrobials."

Gene transfer tween bacteria on microplastics has been documented in other environments, particularly water. So far, the phenomenon is only hypothetical in agricultural soil, but that doesn't mean it's not happening. Nath and Banerjee are currently running laboratory studies to docu-

ment gene transfer. "Soil is an under-researched area in this field," Banerjee said. "We have an obligation to understand what's going on in soil, because what we suspect and what we fear is that the situation in soil could be even worse than in water.

very difficult medium to handle when it comes to fishing out microplastics. Water is so easy, because you can simply filter the microplastic out," Banerjee added. "But we have made some good headway thanks to Jayashree and our collaboration with the Illinois Sustainable Technology Center.'

The authors point out many foodborne pathogens make it onto produce from their native home in the soil, but nanoplastics and antibiotic resistant bacteria could be small enough to enter roots and plant tissues — where they are impossible to wash away. While nanoplastics have been documented in and on crops, the field of study is still new and it's not well known how often this occurs. Banerjee's research group plans to tackle that question as well.

Ultimately, microplastics are here to stay. After all, they persist in the environment for centuries or longer. The authors say it's time to understand their impacts in the soil and our food system, raise awareness, and push toward biodegradable plastic alternatives.

The study, "Interac-"One of the technical tion of microbes with

Aug. 30, 2023

known to people, so we that stress can have the problems is that soil is microplastics and nanoplastics in the agroecosystems—impact on an- and Pratik Banerjee. The timicrobial resistance," is published in Pathogens [DOI: 10.3390/patho- of Food and Agriculture gens12070888]. Authors of the USDA.

include Jayashree Nath, Jayita De, Shantanu Sur, research was supported by the National Institute

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**ESTIMATES** 

FRIDAY, SEPTEMBER 22, 2023 - 10:00 AM At the Fairgrounds Commercial Bldg, WASHINGTON, KANSAS The SW ¼ 4-2-3. Farmington Township. Washington County. KS

This farm, 160 acres, more or less, consists of 41 acres cropland, with the balance of the farm being native grass pasture and excel-lent wildlife habitat. The cropland is a mix of Muir bottomland soils and terraced upland soils. The native grass pasture has been well managed, has good fences, and two small ponds. Devil's Creek crosses the northeast corner of the farm and this area is heavily timbered providing for excellent hunting opportunities. There is a farmstead area with an older unoccupied home, several good outbuildings, and rural water. The 2022 taxes were \$1,693.07.

This farm is well located northwest of Washington, Kansas; the southwest corner of the farm is at the intersection of National Road and 23rd Road. The farm is located about 1 mile from the Washington County State Fishing Lake.

The TUTTLE FAMILY

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for a full sale bill, maps & pictures. TERMS: Ten (10) percent down, the balance due in 30 days. Possession given at closing. Announcements the day of auction take precedence over previous advertising

#### Grass & Grain Weather Report Seven Day Forecast In-Depth Local Forecast

Today we will see sunny skies, high of 86°, WEDNESDAY humidity of 42%. East southeast wind 3 to 9 Sunny mph. The record high for today is 106° set High: 86 Low: 61 in 2000. Expect clear skies tonight, overnight low of 61°. Southeast wind 9 to 13 mph. The record low for tonight is 46° THURSDAY

Date	Hi/Lo	Normals	Precip
8/18	94/55	89/65	0.00"
8/19	115R/72	89/65	0.00"
8/20	103/70	89/64	0.00"
8/21	108R/75	89/64	0.00"
8/22	106R/78	89/64	0.00"
8/23	105/79	88/64	0.00"
8/24	108/77	88/63	0.00"
Rainfall			0.00"
Normal i	ainfall		1.11"
	e		
Average	temp		88.9°
Average	normal		76.4°
	e		



## This Week's Sun & Moon Chart Day Sunset Moonrise

Last

Wednesday Thursday Friday Saturday Sunday Monday Tuesday

6:53 a.m. 6:54 a.m. 6:55 a.m. 6:56 a.m. 6:57 a.m. 6:57 a.m. 6:58 a.m.

8:00 p.m. 7:59 p.m. 7:57 p.m. 7:55 p.m. 7:54 p.m. 7:52 p.m. 7:51 p.m.

8:14 p.m. 6:05 a.m. 8:43 p.m. 7:24 a.m. 9:09 p.m. 8:41 a.m. 9:35 p.m. 9:56 a.m. 11:09 a.m. 10:03 p.m. 10:33 p.m. 12:21 p.m. 11:08 p.m. 1:32 p.m.



## Local UV Index

Sunny

High: 91 Low: 67

FRIDAY

Sunny High: 92 Low: 66

SATURDAY Sunny

High: 94 Low: 70

SUNDAY

High: 96 Low: 71

MONDAY

Partly Cloudy

High: 97 Low: 73

TUESDAY

Mostly Cloudy

High: 98 Low: 72

0-2 3 4 5 6 7 8 9 10 11+ 0-2: Low, 3-5: Moderate, 6-7: High, 8-10; Very High, 11+: Extreme Exposure

### Weather History

Aug. 30, 1982 - A tropical depression brought torrential Date rains to portions of southern Texas. Up to 12 inches fell 8/18 south of Houston and as much as 18 inches fell southeast of 8/19 Austin. The tropical depression spawned 14 tornadoes in 8/20

**Growing Degree Days** Degree Days Degree Days Date 43 8/23 42 36 8/24 42 41

10:30 AM

Moonset

# GRASS & GRAIN

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- 1132 Pillsbury Dr. -

Copies, are also available at these businesses:

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

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

Or stop by the Grass & Grain offices

-1531 Yuma St., Manhattan. KS -

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

Or Buy

STARTING TIME

We had a light run of 538 cattle, due to the heat, August 2 blk hfrs 22. Calves were in good demand at mostly steady prices. 6 blk/bwf hfrs Feeder steers were steady to \$1.00 higher. Cows and 22 blk/chr hfrs bulls were in good demand at higher prices.

**STEER & BULL CALVES** 4 blk strs 811 @ 246.00 527 @ 275.00 3 blk/bwf strs 17 blk/bwf strs 807 @ 243.50 2 red bulls 408 @ 265.00 34 blk strs 887 @ 237.50 510 @ 265.00 170 blk/bwf strs 942 @ 236.85 1 blk bull 5 blk/bwf strs STOCKER & FEEDER STEERS 563 @ 269.00 **HEIFER CALVES** 7 blk/red strs 3 blk/bwf strs 613 @ 268.50 7 blk hfrs 648 @ 267.00 2 blk hfrs 16 blk/bwf strs 608 @ 262.00 5 x-bred strs 7 blk hfrs STOCKER & FEEDER HEIFERS 3 blk strs 597 @ 259.00 749 @ 250.50 14 blk/red strs 8 blk hfrs 13 blk strs 5 blk/bwf hfrs 675 @ 249.50 658 @ 249.00 600 @ 252.50 4 blk strs 5 blk hfrs

**Auction** 

@ 2525.00 788 @ 235.50 2 blk/bwf cows @ 2400.00 741 @ 226.00 6 blk cows @ 2300.00 6 blk cows @ 2100.00 1380 @ 140.00 1 blk cow 6 blk/bwf cows @ 2100.00 1295 @ 135.00 1 blk cow 5 bwf cows @ 2100.00 1 bwf cow 1070 @ 129.00 2 blk hfrs @ 2000.00 1 blk cow 1480 @ 126.00 3 blk/bwf cows @ 1850.00 1 blk cow 1520 @ 124.00 3 blk/bwf cows @ 1700.00 1390 @ 116.00 2 x-bred cows @ 1650.00 1305 @ 110.00 2 blk cows @ 1500.00 1250 @ 105.00 7 blk cows @ 1485.00 1 blk cow 1085 @ 90.00 @ 1450.00 **BRED COWS** 1 blk cow @ 1310.00

WATCH OUR AUCTIONS

Tuesdays

903 @ 231.00 1 blk cow 1 bwf cow 1 blk cow 476 @ 270.50

1 blk cow 410 @ 269.00 439 @ 262.00 8 blk/bwf cows 571 @ 256.00 606 @ 254.00

2370 @ 131.00 1 wf bull 1605 @ 112.00 1 bwf bull 1810 @ 128.00 CONSIGNMENTS FOR TUESDAY, AUG. 29, 2023:

50 SimAngus strs & hfrs, 550-650 lbs., weaned, vaccinated

40 Angus strs & hfrs, 550-650 lbs., weaned, vacc.

28 blk bwf heifers, 850-875 lbs., off grass

125 blk steers, 775-800 lbs., off grass

480 blk char steers, 750-850 lbs., off grass 120 blk strs, 875-900 lbs., Northern origin,

130 blk steers, 775-800 lbs., off grass

60 blk steers, 925-950 lbs.

61 blk x-bred steers, 925-950 lbs. LIVE ON DVAuctions.com 851 @ 247.25 3 x-bred hfrs 600 @ 245.00 Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to WWW.grassandgrain.com & logging onto the online subscription

FOR INFORMATION OR ESTIMATES. **REZAC BARN** ST. MARYS, 785-437-2785

67 blk/red strs

**DENNIS REZAC** ST. MARYS, 785-437-6349 **DENNIS' CELL PHONE** 785-456-4187 KENNETH REZAC ST. MARYS 785-458-9071

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**AUCTIONEERS: DENNIS REZAC, REX ARB & JASE HUBERT**