

Mushrush Ranches to host KLA/K-State Field Day

Mushrush Ranches will host the August 10 Kansas Livestock Association (KLA)/Kansas State University Ranch Management Field Day at their ranch near Strong City. Educational sessions during the field day will cover a variety of topics, with much of the afternoon being spent touring parts of the operation.

Joe Mushrush will kick off the event with a discussion on transition planning, including steps the family is taking to prepare for future generations. He will highlight where they currently are in the process and what challenges they have faced thus far.

Also, on the program will be a deep dive into Vence, a virtual fencing system the ranch has utilized as part of a joint study with The Nature Conservancy (TNC), National Park Service, Kansas State University, Colorado State University and other local agencies. Cole Mushrush and TNC Flint Hills Initia-

tive Manager Tony Capizzo will discuss the benefits, difficulties and purpose behind their effort to utilize the technology.

Finally, Chris Mushrush will outline the process of converting cropland into stockpiled forage for the operation to utilize during the winter months. He will lead participants on a tour of the converted cropland and discuss the process and decision-making behind pursuing the practice.

The Chase County field day will begin with registration at 3:30 p.m. and will conclude with a free beef dinner at 7:00 p.m. All livestock producers and others involved in the business are invited to attend.

K-State beef cattle experts share advice on how to keep cattle calm

By Lisa Moser, K-State Research and Extension news service

In agricultural circles, it's often jokingly said that to test the strength of a marriage, just work cattle together. Anyone who has helped move cattle can share that processing time is often stressful not only for the animals but the people as well.

To minimize everyone's stress, the team of experts at the Kansas State University Beef Cattle Institute has some advice on how to keep things running smoothly on processing day.

"Pick the right people to help with the cattle handling, meaning that the helpers need to move the cattle at appropriate speeds without yelling," said K-State veterinarian Bob Larson.

Following up on that advice, K-State beef cattle nutritionist Phillip Lancaster said it is important that the helpers are familiar with the flight zone and point of balance concepts.

"The flight zone refers to where the handler stands relative to the animals in trying to get them to move in a desired direction, and the point of balance is a part of the flight zone behind the animal's shoulder that is most effective in getting them to move forward," Lancaster said.

Larson agreed that being aware of the cattle's flight zone is important.

"I've seen people try to work cattle in poorly constructed facilities that violate the flight zone and it does not go well because the cattle don't easily cooperate," he said.

Therefore, Larson's second point is to make sure the cattle are being moved through well-designed facilities.

"Make sure you don't overfill the cattle for the space the facility can hold," Larson said. Two types that Larson recommends for handling cattle are a bud box or a tub.

A bud box, he said, is a square holding pen in

which the handler has to move the cattle to the alley for processing, while a tub is a circular system that the cattle move through.

"After the cattle move through the bud box or tub they need to be headed down an alley with a high-quality chute at the end," Larson said.

Lancaster said to encourage fluid movement through the system, it helps if the cattle can see an open gate.

"Cattle don't like to be boxed in, so if they can see an opening they will move much easier toward that open gate," he said.

To know if the system is working well, Lancaster suggests looking at the cattle and how they are behaving as they move through.

"A good animal handling system will not require a prod or other tools to get the cattle to walk through," Lancaster said.

K-State veterinarian Brad White added that it is important to watch how cattle exit the chute as well.

just walk out of the chute system rather than bolting on exit then that is the sign of cattle that are not stressed," White said.

Larson and White also said to look at the demeanor of the help as an indicator of a low-stress system.

"If the people who are working the cattle are calm and not yelling then that, too, is a sign that the system is working well for everyone - cattle and people," Larson said.

White added that exercising patience is key when working with animals.

"Rather than ramping up the intensity, it is good to just take a breath and try to encourage the animal calmly," White said.

Larson said that while many people enjoy having their dogs around when working cattle, he advises against that.

"While I can appreciate a good cattle dog, they should be in the truck when working cattle because dogs are not low-stress cattle handlers," he said.

"If most of the cattle

Pioneer Bluffs to host two Prairie Talks Saturday August 19

Saturday, August 19, Pioneer Bluffs will host two Prairie Talks. Flint Hills ranch families have interesting stories to tell of their unique heritage, and two families will share these stories in Prairie Talks - a series of community discussions at Pioneer Bluffs near Matfield Green.

At 12:30 p.m., the Anderson family will share their story. Matt and Julia Anderson, along with their son and daughter-in-law, manage the family ranch outside of Alma. They run an award-winning cow-calf operation, annually raising roughly 500 head of Angus cattle from birth until the calves are one or two years old. They also offer birth-to-butcher beef, direct to consumer.

Then, at 1:30 p.m., we will hear from the Patton/Johnson families. The Patton and Johnson families came to southern Chase County shortly after the Civil War. The Pattons settled west of Matfield Green in the Homestead community and the Johnsons settled east of Matfield Green in the Thurman community. Both families farmed the fertile soil along the creeks and ranched in the rich upland native tallgrass prairie pastures. Six generations later, a few Patton/Johnson ancestors still live and work in the Flint Hills. This Prairie Talk will focus on how farming and ranching were equally important to the economic survival of pioneer Flint Hills families. The symbiotic relationship between farming and ranching still exists in 2023.

There is no cost to attend these Prairie Talks, but donations are appreciated and will support future program events. Feel free to bring a picnic lunch and come out early to visit with friends. Picnic tables are provided, ice-cold water and homemade cookies will be available. Reservations are requested but not required and will help ensure plenty of chairs are out. RSVP on the Facebook event page or to the executive director, Christie Reinhardt, christie@pioneerbluffs.org 620-753-3484.

The mission of Pioneer Bluffs is to preserve and share the ranching heritage of the Flint Hills, and is a National Register Historic District. We are located on Flint Hills National Scenic Byway K-177, 14 miles south of Cottonwood Falls or one mile north of Matfield Green.

Delayed Alta Vista papers

Grass & Grain has received reports that the papers for Alta Vista were significantly delayed in the mail. We have started an investigation into the cause of the delay and will add one week to Alta Vista subscribers' subscriptions.

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<p>For our sale held on Friday, July 28th, with the warm temperatures and the high heat index, most all our calf and yearling cattle postponed until Aug. 4th. We had several</p>	<p>Fall bred heifers and Fall bred cows which were finding good interest. Cull cows and bulls sold in a higher market on a light test.</p>	<p>COWS & HEIFERETTES — 550-1375 LBS.</p> <table border="0" style="width: 100%; font-size: 0.8em;"> <tr><td>St. George</td><td>1 blk</td><td>995@149.00</td><td>Hereford, TX</td><td>10 Ang X</td><td>2</td><td>8</td><td>@1985.00</td></tr> <tr><td>St. George</td><td>1 blk</td><td>1035@138.00</td><td>Hereford, TX</td><td>3 blk</td><td>3-4</td><td>6-7</td><td>@1900.00</td></tr> <tr><td>Alma</td><td>1 Cross</td><td>765@121.00</td><td>Alma</td><td>6 Ang X</td><td>2</td><td>8</td><td>@1875.00</td></tr> <tr><td>Alma</td><td>1 Cross</td><td>570@120.00</td><td>Alma</td><td>7 blk</td><td>5</td><td>6</td><td>@1800.00</td></tr> <tr><td>Manhattan</td><td>1 blk</td><td>1345@119.00</td><td>Alma</td><td>5 blk</td><td>7-8</td><td>6</td><td>@1700.00</td></tr> <tr><td>Manhattan</td><td>1 blk</td><td>1370@118.50</td><td>Hereford, TX</td><td>1 Ang X</td><td>2</td><td>7</td><td>@1500.00</td></tr> <tr><td>Manhattan</td><td>1 blk</td><td>1185@118.00</td><td>Vermillion</td><td>1 Cross</td><td>6</td><td>8</td><td>@1450.00</td></tr> <tr><td>St. George</td><td>1 blk</td><td>1305@116.00</td><td>Alma</td><td>4 blk</td><td>4-5</td><td>6</td><td>@1325.00</td></tr> <tr><td>Blaine</td><td>1 blk</td><td>1290@115.00</td><td>Vermillion</td><td>1 Char</td><td>3</td><td>8</td><td>@1285.00</td></tr> <tr><td>Wamego</td><td>1 blk</td><td>970@115.00</td><td>Alma</td><td>3 Cross</td><td>2-4</td><td>5-6</td><td>@1225.00</td></tr> <tr><td>Alma</td><td>1 blk</td><td>1130@113.00</td><td>Vermillion</td><td>1 bwf</td><td>3</td><td>7</td><td>@1185.00</td></tr> <tr><td>Vermillion</td><td>1 blk</td><td>1135@112.50</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Alma</td><td>1 Cross</td><td>620@112.00</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>St. George</td><td>1 blk</td><td>1085@109.00</td><td>BULLS — 1075-1600 LBS.</td><td>Dwight</td><td>1 bk</td><td></td><td>1080@149.00</td></tr> <tr><td>Frankfort</td><td>1 blk</td><td>1350@108.00</td><td>Manhattan</td><td>1 blk</td><td></td><td></td><td>1455@132.00</td></tr> <tr><td>St. George</td><td>1 blk</td><td>1095@107.00</td><td>Paris, MO</td><td>1 blk</td><td></td><td></td><td>1295@128.00</td></tr> <tr><td>Alma</td><td>1 Cross</td><td>935@107.00</td><td>Alma</td><td>1 blk</td><td></td><td></td><td>1600@122.50</td></tr> <tr><td>Wamego</td><td>1 blk</td><td>895@105.00</td><td>Washington</td><td>1 Cross</td><td></td><td></td><td>1130@122.00</td></tr> <tr><td>Alma</td><td>1 Cross</td><td>850@103.00</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Alma</td><td>1 Cross</td><td>780@102.00</td><td>BABY CALVES</td><td>Wamego</td><td>1 blk</td><td></td><td>@450.00</td></tr> <tr><td>Alma</td><td>1 blk</td><td>1250@101.00</td><td>Alma</td><td>2 blk</td><td></td><td></td><td>@410.00</td></tr> <tr><td>Frankfort</td><td>1 Cross</td><td>1160@94.00</td><td>Manhattan</td><td>2 Hols</td><td></td><td></td><td>@200.00</td></tr> <tr><td></td><td></td><td></td><td>Manhattan</td><td>4 Hols</td><td></td><td></td><td>@175.00</td></tr> </table>	St. George	1 blk	995@149.00	Hereford, TX	10 Ang X	2	8	@1985.00	St. George	1 blk	1035@138.00	Hereford, TX	3 blk	3-4	6-7	@1900.00	Alma	1 Cross	765@121.00	Alma	6 Ang X	2	8	@1875.00	Alma	1 Cross	570@120.00	Alma	7 blk	5	6	@1800.00	Manhattan	1 blk	1345@119.00	Alma	5 blk	7-8	6	@1700.00	Manhattan	1 blk	1370@118.50	Hereford, TX	1 Ang X	2	7	@1500.00	Manhattan	1 blk	1185@118.00	Vermillion	1 Cross	6	8	@1450.00	St. George	1 blk	1305@116.00	Alma	4 blk	4-5	6	@1325.00	Blaine	1 blk	1290@115.00	Vermillion	1 Char	3	8	@1285.00	Wamego	1 blk	970@115.00	Alma	3 Cross	2-4	5-6	@1225.00	Alma	1 blk	1130@113.00	Vermillion	1 bwf	3	7	@1185.00	Vermillion	1 blk	1135@112.50						Alma	1 Cross	620@112.00						St. George	1 blk	1085@109.00	BULLS — 1075-1600 LBS.	Dwight	1 bk		1080@149.00	Frankfort	1 blk	1350@108.00	Manhattan	1 blk			1455@132.00	St. George	1 blk	1095@107.00	Paris, MO	1 blk			1295@128.00	Alma	1 Cross	935@107.00	Alma	1 blk			1600@122.50	Wamego	1 blk	895@105.00	Washington	1 Cross			1130@122.00	Alma	1 Cross	850@103.00						Alma	1 Cross	780@102.00	BABY CALVES	Wamego	1 blk		@450.00	Alma	1 blk	1250@101.00	Alma	2 blk			@410.00	Frankfort	1 Cross	1160@94.00	Manhattan	2 Hols			@200.00				Manhattan	4 Hols			@175.00
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EARLY CONSIGNMENTS FOR AUG. 4 SPECIAL FALL CALVING COWS

SELLING AT 11:00 A.M.

- 35 Fancy reputation Downey gen. Ang OCV hfrs, 2 rds Vira Shield & Black Leg, Pink Eye, 3 rds wormer, fly tags, on Vigortone mineral, SMM registered Ang bulls turned in 11/26/22 thru 2/23.
- 32 big fancy one iron Angus Fall calving cows, 3-5 years old, bred to Reg. Angus bulls for September-October calving.
- 25 Fancy Blk BWF Fall calving cows, 3-4 yrs, bred Blk Angus and Red Angus bulls to start calving Sept. 10.

SPECIAL FALL CALVES & YEARLINGS

- 65 choice reputation, mostly bwf, some blk str (50), & hfrs (15), 2 rds shots, 600-800#
- 50 Char cross str & hfrs, all shots, weaned May 1, 550-750#
- 64 choice blk & bwf str & hfrs, weaned April, 2 rds shots, 650-800#
- 45 choice blk & bwf str & hfrs, weaned, 2 rds shots, bunk broke, 650-800#
- 36 choice Blk & BWF str & hfrs, weaned 30 days, 650-850#
- 100 choice Blk BWF str, 2 rds shots, 600-725#
- 110 choice Blk BWF str, 2 rds shots, 650-850#
- 38 choice Blk BWF feeder str, off grass, long range & shots going to grass, 750-850#
- 90 choice home raised Blk yearling str, no implants, off grass, 750-850#
- 40 fancy Fink Genetics Angus str, 2 rds shots, 700-850#
- 24 choice Angus str & hfrs, no implants, weaned April 1, 3 rds shots, 700-800#
- 60 homeraised Blk & Char cross str & hfrs, 2 rds shots, 650-750#
- 50 choice Blk BWF str & hfrs, 2 rds shots, weaned, bunk broke, 550-700#
- 62 choice reputation Blk BWF str & replacement quality hfrs, wean June 20, 2 rds shots, no implants, 600-800#
- 36 Blk & Red bull & hfr calves, 2 rds shots, 450-600#
- 100 choice blk reputation home raised str, 2 rds shots, 650-800#
- 50 choice blk reputation home raised replacement quality hfrs, 2 rds shots, 600-650#
- 80 Fancy Angus mostly str & hfrs, 2 rds shots, 650-800#

EARLY CONSIGNMENTS FOR AUG. 11:

- 26 Blk & Red str & hfrs, 2 rds shots, 30 days weaned, 600-700#
- 70 choice reputation Blk BWF mostly str & hfrs, 600-750#

EARLY CONSIGNMENTS FOR AUG. 18:

- 46 Choice home raised Ang & Simm Ang str & hfrs, 2 rds shots, weaned May 1, 600-750#

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<p>ALAN HUBBARD OLSBURG 785-468-3552 Cell: 785-410-5011</p>	<p>DAN COATES BALDWIN 785-418-4524</p>	<p>ANDREW SYLVESTER WAMEGO 785-456-4352</p>	<p>LARRY SCHRICK EASTON 913-547-1315</p>

Kansas Hay Market Report

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

Compared to the last report, demand remains slow, and trade activity is slow to moderate. Grinding alfalfa and ground and delivered alfalfa prices have tumbled due to the quantity of rained-on hay, with low-testing hay moving to the grinder market. Higher quality alfalfa has retained its value. Grass hay prices continue to rise in some areas due to lower yields. According to the U.S. Drought Monitor for July 18th, drought remained widespread across Kansas, Nebraska outside the Panhandle, and southeastern South Dakota, with some swaths of improvement incurred in eastern parts of Nebraska and Kansas. The categorical percent area for abnormally dry conditions (D0) increased to near 16%, moderate drought (D1) decreased to near 26%, severe drought (D2) increased to near 23%, extreme drought (D3) decreased to near 27%, and exceptional drought (D4) decreased to near 5%.

Southwest Kansas

Dairy alfalfa steady; grinding alfalfa 25.00 lower and ground and delivered 20.00 to 25.00 lower; movement slow to moderate. Alfalfa: Dairy, 1.40-1.50/point RFV. Good, Stock or Dry Cow 220.00-280.00. Grinding alfalfa, large rounds, new crop 250.00-260.00, large square 3x4's and 4x4's new crop 250.00-260.00. Ground and delivered locally to feed lots and dairies, new crop 300.00-310.00. 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 7/16-7/22, 5,402T of grinding alfalfa and 25T of dairy alfalfa was reported bought or sold.

South Central Kansas

Dairy alfalfa steady, grinding alfalfa 5.00-30.00 lower, ground and delivered 30.00 lower, and alfalfa pellets steady to 5.00 lower; and movement slow. Alfalfa: horse, small squares 325.00/ton. Dairy 1.40-1.50/point RFV. Good, Stock cow, 295.00-305.00. Fair/good grinding alfalfa, large rounds new crop 260.00-270.00 delivered, 3x4 and 4x4's new crop 255.00-265.00 delivered. Alfalfa ground and delivered 280.00-290.00; Alfalfa pellets: Sun cured 15 pct protein 320.00-335.00, 17 pct protein 340.00-350.00, Dehydrated 17 410.00-420.00. 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 7/16-7/22, 8,580T of grinding alfalfa and 0T of dairy alfalfa was reported bought or sold.

Southeast Kansas

Dairy alfalfa and grinding alfalfa steady, grass hay 5.00 to 10.00 higher, 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 270.00-280.00; Grass hay: Bluestem, small squares, 175.00-180.00/ton, large square 3x4 180.00-190.00, large round 145.00-155.00. Brome, large square 185.00-195.00. The week of 7/16-7/22, 608T of grass hay was reported bought or sold.

Northwest Kansas

Dairy alfalfa steady, grinding alfalfa lower; 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 280.00-300.00.

North Central-Northeast Kansas

Dairy alfalfa, ground and delivered steady, grinding alfalfa steady to 40.00 lower, bluestem grass hay steady, and brome grass steady to 5.00 higher; movement slow. 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 175.00-185, large square 3x4's 240.00-255.00, Alfalfa ground and delivered 275.00-300.00; Grass hay: Bluestem, small squares new crop 8.00-9.00/bale, large 3x4 squares 150.00-160.00, good large rounds 140.00-180.00. Brome: small squares 10.00-11.00/bale, large rounds, 145.00-155.00, large square 3x4's 185.00-195.00. Wheat straw: large rounds 110.00-125.00, large squares 120.00-130.00. Corn stalks: large squares 100.00-125.00 FOB. The week of 7/16-7/22, 1,043T of grinding alfalfa and 387.50T 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 Free

*RFV calculated using the Wis/Minn formula.

*TDN calculated using the Western formula. Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter (TDN showing both 100% & 90%). Guidelines are to be used with visual appearance and intent of sale (usage). Source: Kansas Department of Agriculture -Manhattan, Kansas Kim Nettleton 785-564-6709

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Nitrate poisoning in livestock

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

July rain has been a welcomed gift for agriculture producers, but one issue that might pop up because of them, is something livestock producers need to be aware of. Livestock nitrate poisoning can be an issue in some forage crops, especially after extended dry periods. Folks have asked if grazing or haying of some of our summer annuals is safe now, so this feels like a topic to address this week.

The potential for high nitrate concentrations in crops such as corn, sorghum, brassicas, cereal grains, and some grasses, in addition to non-cultivated plants like pigweeds and Johnsongrass, occurs after exposure to drought, hail, frost, cloudy weather, or soil fertility imbalance. Nitrates accumulate in the lower portion of these plants when stresses reduce yields to less than those expected, based on the supplied nitrogen fertility level. Feeding harvested forages or grazing plants that are high in nitrates can be toxic to livestock because the metabolism products from nitrates interfere with the ability of blood to carry oxygen, causing asphyxiation. Lack of oxygen in the tissues can cause abortions and death.

Nitrates are usually highest in young plants and nitrates decrease as plants mature, unless growth stress is encountered. Nitrate is not necessarily toxic, at normal levels. When high nitrate forages are consumed the nitrate is converted in the rumen into ammonia and used by ruminal microbes as a protein source. An intermediate product in this process is nitrite, when too much nitrite is produced it is absorbed into the blood. Nitrates may cause death within 30 minutes to four hours after symptoms appear.

It is important to use caution in your feeding programs when known nitrate accumulators are undergoing stress before harvest or grazing. Forage suspected to contain high nitrate levels should be tested by a laboratory before feeding to livestock. Please note that not every lab reports levels on the same scale, but all test can be converted to determine if it is safe to feed. Generally speaking, ppm Nitrate (NO3) levels of 3000 are safe and over 9000 are dangerous, with some ability to manage in between that range.

Preventative measures should be taken to help prevent loss in your herd. This includes things such as; gradually adapting to high-nitrate feeds, dilute with other feeds, feed a balanced ration, don't feed higher nitrate feeds to stressed livestock, don't feed to hungry livestock and keep plenty of clean fresh drinking water at all times. If you suspect that you have an animal with nitrate poisoning, quick intervention from a veterinarian can help to reverse symptoms and possibly save the animal's life.

In summary, here are some of the main points to remember about nitrates and livestock. Pay close attention to potentially troublesome plants, such as sorghum, sudangrass, other summer annuals, and brassica species. Avoid excessive application of manure or nitrogen fertilizer. When harvesting high-nitrate forages, raise the cutter bar. Harvest plants containing high levels of nitrate as silage rather than as hay. Finally, have representative samples of suspect forage analyzed before feeding.

If you need help with sampling and testing forages for nitrates, please reach out to your local Extension office. The K-State publication MF-3029 Nitrate Toxicity is available for more in-depth information

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Lincoln, Republic county leaders detail how their rural communities are spawning growth

By Pat Melgares, K-State Research and Extension news service
The way Kelly Gourley sees it, her rural Kansas county's past needs to be part of its future.

Gourley, director of the Lincoln County Economic Development Foundation in north central Kansas, said recently that communities can't talk about historic preservation without also talking about economic development.

"The end result looks the same," Gourley said, "because you really can't do revitalization (of a downtown district) without doing preservation and economic development.

"That's my attitude and approach to small towns and downtown areas in

Kansas."

Gourley was a featured speaker during the July 7 First Friday e-Call, a monthly online series hosted by K-State Research and Extension that helps to nurture small businesses and inspire entrepreneurship in Kansas. The online discussions, which routinely host dozens of Kansas citizens from the public and private sectors, are available free each month.

Gourley said she regularly gets requests from downtown business owners for grants to help cover such costs as repairs to a roof, replacing a heating or air conditioning system, and the like.

Her answer is almost always the same: "There is

not a grant for that."

But, she adds, "if you can say it's on the national register of historic places, then that's a big deal. To me, in my economic development role, the big advantage to that is it opens economic incentives that are not otherwise available."

In Lincoln and Sylvan Grove, Gourley is helping to manage major downtown building renovations as a result of having listed those areas as historic districts.

A couple of examples:

- In Lincoln, one city block has seen improvements to an old bank building, restaurant and clothing store; and a vacant building is now a fitness center. Planning is

under way for ADA improvements at City Hall.

- In Sylvan Grove, improvements are taking place to Fly Boy Brewery and Eats, the Old Sylvan State Bank and a former farmer's elevator (which will become a community center).

From 2020 through 2023, Gourley said there has been "about \$1.3 million worth of investment put into our downtown buildings that probably would not have been happening if not for our historic designation." Funds for the historic designation have been provided by the Kansas Historical Society, the Dane G. Hansen Foundation, the cities of Lincoln and Sylvan Grove and the Lincoln County Historical

Society.

Lessons learned? Gourley said Kansas communities – especially rural communities – should pursue historic designation for downtown districts, not just individual buildings.

Also during the July 7 presentation, former Republic County economic development director Luke Mahin gave an update on similar projects happening in his area, including the improvement of downtown buildings and a partnership with K-State's community development program (formerly called PRIDE), to shape up its rural towns.

In just 15 years, he said, Cortland has improved parks, updated city signs, renovated numerous busi-

nesses, turned empty lots into news businesses, and established a therapy and physical fitness center, and microbrewery.

City leaders also hosted "vacant building tours in Belleville" to help attract entrepreneurs to rural life, according to Mahin.

As business owners, "There was a mind shift we had to focus on," Mahin said. "We are learning how to attract people from a 90-mile radius to make our businesses work."

Gourley's and Mahin's full talk, and more information on how they're spawning rural community success, is available online in the archived presentations of K-State Research and Extension's First Friday program.

Food insecurity rate hits 17% for the second time in 18 months

Reported food insecurity has reached 17%, matching the rate last reached in March 2022, according to the June Consumer Food Insights Report. The new report also includes consumer changes in food spending as a result of a hypothetical recession and sentiments on artificial intelligence.

The survey-based report out of Purdue University's Center for Food Demand Analysis and Sustainability assesses food spending, consumer satisfaction and values, support of agricultural and food policies, and trust in information sources. Purdue experts conduct and evaluate the survey, which includes 1,200 consumers across the U.S.

"Overall, there continues to be a similar narrative of extended upward pressure on food prices as we try to discern whether this stress has led to a tipping point where consumers are struggling to buy the foods that they want," said Jayson Lusk, the head and Distinguished Professor of Agricultural Economics at Purdue, who leads the center.

"The 17% food insecurity rate is up from 14% just two months ago, which is not necessarily far outside of the normal variation we have measured. However, this increase could be concerning given the sum of external pressures being exerted on more vulnerable consumers," Lusk said.

He noted that pandemic-related boosts to the Supplemental Nutrition Assistance Program (SNAP) ended in March. The insecurity rise could be a lag from households adjusting to this policy change.

In the event of a recession, consumers report that they would cut back most on steak, pork and dining out. These results align with what Lusk would expect to occur if incomes fell.

"Discretionary spending on eating out will go first if consumers have to face a recession. Then people will cut back on more expensive items that they can easily substitute in their diets. Steak and bacon, for example," Lusk said. "It is interesting to see that the items with a large share of 'does not apply' are also largely items that

will be cut back the most as many people are already choosing to forego them."

Additional key results include:

- Reported food spending has risen by 2.1% from last June, which is much less than the 6.7% government estimate of food inflation.

- Households making less than \$50,000 annually are buying groceries online at a higher rate than other households.

- The report noted that the pandemic opened the online option to SNAP recipients, which evidently remains a key tool for a range of shoppers.

- Households making more than \$100,000 annually are slightly greater risk-takers, which is reflected by a higher willingness to eat unwashed fruits and undercooked meat.

- Consumers largely have positive or neutral feelings about applying artificial intelligence (AI) in the food and agriculture sectors.

"The artificial intelligence questions are much more speculative since there are not yet widely known examples of AI being used across the food system," said Sam Polzin, a food and agriculture survey scientist for the center and co-author of the report. "People really do not have enough information about AI to have thoughtful positions, as seen in the large share of indifference."

Surprisingly to Polzin, 50% of consumers said they would be okay with AI helping them make food choices, which is generally considered a personal decision. "This proportion might be indicative of how eager people are to make the 'best' choices," Polzin said.

According to the U.S. Bureau of Labor Statistics, annual inflation for food-at-home fell below inflation for food-away-from-home (FAFH) this spring, he noted. This poses the question: Will consumers continue to spend at

faster rates on dining out?

"The highest earners are driving a larger share of the increase in FAFH spending and have no clear reason to slow down. We will keep track of whether two different patterns emerge in which higher-income households continue to thrive while lower-income households might be forced to pull back," Polzin said.

The report's results about food behaviors align with other research showing that high-wage consumers take higher risks than those earning less. "The fact that higher earners report eating unwashed fruits, undercooked meat and raw dough slightly more often could reflect this risk-taking," Polzin said.

Other reported food behaviors are fairly expected. High-income households, for example, will choose premium local and organic products more often than lower-income households. They also often have more resources to track and understand food labeling or follow recycling and composting practices.

Kansas cattle on feed up 2 percent

Kansas feedlots, with capacities of 1,000 or more head, contained 2.40 million cattle on feed on July 1, according to the USDA's National Agricultural Statistics Service. This inventory was up 2% from last year. Placements during

June totaled 400,000 head, up 5% from 2022. Fed cattle marketings for the month of June totaled 460,000 head, down 9% from last year. Other disappearance during June totaled 10,000 head, down 5,000 head from last year.

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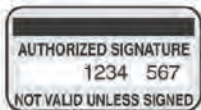
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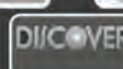


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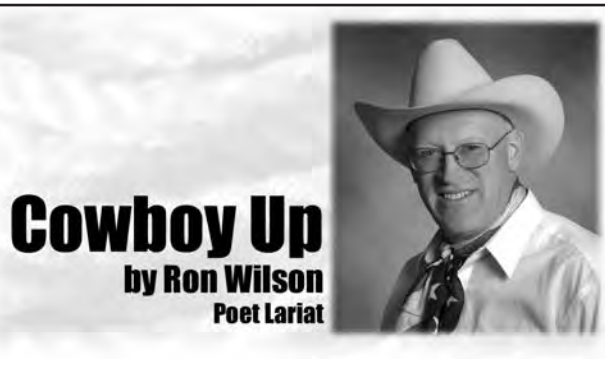
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Cowboy Up
by Ron Wilson
Poet Lariat

Following Gunsmoke

There's the Chisholm Trail, the Oregon Trail, the Santa Fe Trail, the Smoky Hill Trail. Now there's a brand new one: The Gunsmoke Trail.

Unlike the other trails I've named, the Gunsmoke Trail is not exactly an established historical route because it is based on a television show, but it makes a connection with several Kansas communities. Of course, it takes its name from the classic western TV show *Gunsmoke* which aired weekly from the 1950s to the 1970s.

I grew up watching *Gunsmoke*. On Saturday night, our family would gather around the black-and-white TV set (color came later) to watch Marshal Matt Dillon take on the bad guys. (I didn't know Miss Kitty was a redhead until we got a color television set.) Marshal Dillon's first deputy was Chester Goode, played by Dennis Weaver. That deputy was succeeded by Festus Hagen as played by Ken Curtis. The other leading character besides Kitty was Doc Adams, played by native Kansan Milburn Stone.

The Kansas setting made *Gunsmoke* extra fun for us. The show was produced in Hollywood, but of course the script was set in the western Kansas cowtown of Dodge City. In their efforts at authenticity, the script writers would throw in names of other towns in Kansas (notwithstanding the fact that Marshal Dillon would ride into the mountains whenever he left Dodge).

What a thrill when I was a kid and our family made a trip to Dodge City! I got a sarsaparilla at the Long Branch Saloon. Decades later, I took my own kids and got them one too.

Gunsmoke was a huge success. With 635 episodes, it was the longest-running western tv show in history and one of the longest-running shows of any kind. From 1957 to 1961, it was the most-watched show on television. It has helped spark global interest in the American cowboy. Reruns of *Gunsmoke* can still be viewed on some channels today.

Julie Roller Weeks is the award-winning convention and visitor's bureau director at Abilene. She saw a Facebook post about *Gunsmoke* which led to a conversation between the folks in Dodge City and

other Kansas communities that had been named on the show.

For example, there was an episode where Wild Bill Hickok, marshal of Abilene, comes to Dodge to help his friend Matt Dillon. In another episode, Festus has to go to Wichita to get some equipment for the blacksmith. I think I recall several episodes where Marshal Dillon had to go to Hays City.

Julie and her fellow tourism directors in Abilene, Hays, Wichita, and Dodge City got together and created what they call the "Gunsmoke Trail." It is basically a shared promotion of these towns that were included on *Gunsmoke*. Each town's tourism blog includes *Gunsmoke* scenes and dialogue, plus descriptions of western-oriented attractions in each of the four communities. This encourages *Gunsmoke* fans to relive their memories of the show and to visit these attractions to experience them first-hand.

What an ingenious idea! It's a very efficient, mutually beneficial way of building on this interest. It encourages tourism and leads visitors to western attractions in our state. According to the Visit Abilene blog, a number of other Kansas towns were mentioned on the show as well. I'm thrilled to see this initiative which can keep the interest in *Gunsmoke* alive and well. Let's hit the trail and get a sarsaparilla!

Gunsmoke Trail
 By Ron Wilson, Poet Lariat

In the days of my youth, Marshal Dillon would ride, Protecting the town of Dodge City with pride. With Chester or Festus, Doc Adams and Miss Kitty, He fought the bad guys and kept the peace in Dodge City.

Gunsmoke was "must-watch TV" in our house, To see the story each week would espouse. Being set in our state made it an extra fun show, Because other Kansas towns was where they would go. Wild Bill Hickok came down from the town of Abilene.

Wichita and Hays were also referenced on screen. There are still lots of *Gunsmoke* fans today, Who recall those shows in a positive way. So modern-day leaders in each community Got together to promote their connection in unity. The *Gunsmoke* Trail is the name they found, To promote their own and each other town. Each city has its own western attractions, To draw and promote visitor interactions. By promoting each other, they all benefit, As more visitors come to experience it.

So I'm glad to share this exciting tale Of Kansas people promoting the *Gunsmoke* Trail.

Happy Trails!

Happy Trails!

Happy Trails!

Happy Trails!

Happy Trails!

other Kansas communities that had been named on the show.

For example, there was an episode where Wild Bill Hickok, marshal of Abilene, comes to Dodge to help his friend Matt Dillon. In another episode, Festus has to go to Wichita to get some equipment for the blacksmith. I think I recall several episodes where Marshal Dillon had to go to Hays City.

Julie and her fellow tourism directors in Abilene, Hays, Wichita, and Dodge City got together and created what they call the "Gunsmoke Trail." It is basically a shared promotion of these towns that were included on *Gunsmoke*. Each town's tourism blog includes *Gunsmoke* scenes and dialogue, plus descriptions of western-oriented attractions in each of the four communities. This encourages *Gunsmoke* fans to relive their memories of the show and to visit these attractions to experience them first-hand.

What an ingenious idea! It's a very efficient, mutually beneficial way of building on this interest. It encourages tourism and leads visitors to western attractions in our state. According to the Visit Abilene blog, a number of other Kansas towns were mentioned on the show as well. I'm thrilled to see this initiative which can keep the interest in *Gunsmoke* alive and well. Let's hit the trail and get a sarsaparilla!

Gunsmoke Trail
 By Ron Wilson, Poet Lariat

In the days of my youth, Marshal Dillon would ride, Protecting the town of Dodge City with pride. With Chester or Festus, Doc Adams and Miss Kitty, He fought the bad guys and kept the peace in Dodge City.

Gunsmoke was "must-watch TV" in our house, To see the story each week would espouse. Being set in our state made it an extra fun show, Because other Kansas towns was where they would go. Wild Bill Hickok came down from the town of Abilene.

Wichita and Hays were also referenced on screen. There are still lots of *Gunsmoke* fans today, Who recall those shows in a positive way. So modern-day leaders in each community Got together to promote their connection in unity. The *Gunsmoke* Trail is the name they found, To promote their own and each other town. Each city has its own western attractions, To draw and promote visitor interactions. By promoting each other, they all benefit, As more visitors come to experience it.

So I'm glad to share this exciting tale Of Kansas people promoting the *Gunsmoke* Trail.

Happy Trails!

Happy Trails!

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Happy Trails!

Agriculture education students awarded Kansas Agriculture Skills and Competencies Certificates

Twenty-seven students from five schools in Kansas have been awarded the Kansas Department of Agriculture's Kansas Agriculture Skills and Competencies Certificate. Of these, 27 were awarded the general certificate, six were awarded the animal science certificate and two were awarded the plant systems certificate. High schools with students earning certificates include Buhler, Centre, Cheney, Holton, and Republic County.

Students have completed requirements in the areas of classroom instruction, supervised agricultural experience (SAE) and FFA. They have demonstrated excellence in agricultural knowledge, career readiness, and leadership development. Students must also maintain a cumulative GPA of 2.5 or higher in all school courses to earn the certificate.

"Students receiving these certificates are among the most well-rounded agricultural education students in the state," said John Clark, the agriculture education teacher at Buhler High School. "This recognition isn't based on one single activity or achievement but on meeting the criteria for several components showing diversity in agricultural knowledge and success in and out of the classroom."

KDA is committed to establishing a dynamic and well-equipped workforce that meets the diverse needs of the agriculture industry today. "As agriculture continues to advance, there is a continued need for skilled young people to operate high-tech machinery on our dairies, ranches and farms, and technical specialists to provide research in agronomy, technology and animal science fields," said Russell Plaschka, KDA marketing director. "Kansas agriculture is growing, and the industry requires a well-equipped workforce to help support that growth

in our great state. We are proud of these young adults."

These certificates have been endorsed by several industry organizations and employers. Applications for the Kansas Agriculture Skills and Competencies Certificates are accepted each spring. To find more information, visit agriculture.ks.gov/AgEducation.

Kansas Agriculture Skills and Competencies Certificates:

Buhler High School
 Breanna Bingle
 Morgan Carson
 Lillian Coldren
 Alexis Colpetzer
 Crislyn Frank
 Myles Fredrick
 Elise Gover
 Taryn Horning
 Rylan Parks
 Ivan Penrose
 Bryce Ruda
 Willow Schlatter
 Emilie Schweizer
 Caylin Seeley
 Jonathon Stults
 Jordan Teter

Centre High School
 Julia Brunner

Cheney High School
 Camryn DeVore
 William Wyatt Jarman
 Payton Ryba
 Aubrey Strodman
 Kade Williams
 Cord Womack

Holton High School
 Madeline Murnahan

Republic County High School
 Emily Hansen
 Ella Pachta
 Garrett Siemsen

Kansas Plant Systems Skills and Competencies Certificates:
 Buhler High School
 Lillian Coldren
 Jonathon Stults

Kansas Animal Science Skills and Competencies Certificates:
 Buhler High School:
 Morgan Carson
 Alexis Colpetzer
 Crislyn Frank
 Elisa Gover
 Willow Schlatter
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Kansas milk production up 1%

Milk production in Kansas during June 2023 totaled 348 million pounds, up 1% from June 2022, according to the USDA's National Agricultural Statistics Service. The average number of milk cows was 177,000 head, 3,000 head more than June 2022. Milk production per cow averaged 1,965 pounds.

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Help your chickens beat the heat

By Adaven Scronce, Wildcat Extension District, diversified agriculture and natural resource agent

Keeping chickens cool during hot, summer days can be a challenge. Chickens need shade, water, and a well-ventilated chicken coop to stay cool during hot weather. Shade can be provided in a variety of ways including trees or building shade structures. When making shade structures, it is important to ensure they are well-ventilated to keep fresh air moving through the structure.

While it is important for chickens to always have access to clean, fresh water it is especially important in the summer. Placing waterers in the shade will help keep the water cooler, encouraging chickens to drink more. If chickens are roaming a larger area placing a few waterers spread throughout the area in shady spots will help encourage chickens to drink water by making it more convenient for them. Ice cubes or frozen water bottles can also be added to help keep the water cooler. An additional way to help chickens stay cool during extremely hot days is to provide water in shallow pans that the chickens can wade in to cool their feet, just make sure the water is changed daily to keep it clean and prevent coccidiosis.

During hot weather it is common for chickens to eat less. Because of their decreased appetite it is best to limit the number of treats and food scraps chickens are given to help ensure they eat enough of a feed ration that will fill their nutritional needs and support egg production. If treats are given, treats that will not be very filling and provide hydration are best. A few treats that help

provide hydration are cutting fruits and vegetables up and freezing them in blocks. Feeding chickens during cooler parts of the day such as early in the morning or late in the evening will also help encourage them to eat.

When it comes to nesting boxes, it is important to make sure the coop has plenty of ventilation to promote air circulation and decrease the chances of hens overheating. If a hen is trying to be broody (sit on eggs to hatch chicks) it is best to discourage her by collecting eggs as soon as possible. Hens that are broody are more likely to become heat-stressed because they only leave the nest box a couple of times a day for food and water.

Chickens do not sweat and they cool themselves off through respiration by panting. Chickens that are heat-stressed may pant heavily and hold their wings away from their body. If this behavior is seen take the chicken to a cooler area with plenty of shade and water.

AUCTION
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Signs of heat exhaustion in chickens are: panting hard, holding their wings away from their body, their wattle and comb appearing paler in color, and acting very lethargic. When a chicken has these symptoms, they are in danger of dying from heat exhaustion and need to be cooled down quickly. To cool them down quickly, place their body in a bucket of cool water (make sure their head is above the water) and place them someplace

cool until they have completely recovered.

It is much easier to prevent heat stress than to treat it. Making sure chickens have plenty of shade and cool water will help chickens avoid heat stress during the hot summer days.

For more information contact Adaven Scronce, Diversified Agriculture and Natural Resource Agent Wildcat District, at 620-331-2690 or adaven@ksu.edu.

4 PROPERTIES FOR SALE

120+/- Acres Pottawatomie County, KS Land
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Directions: 3 miles East of Olsburg, KS to Galilee Road, then ¾ mile South on the West side of the road
Listing Agent: Toby M Bruna, 785.713.9325
or toby@midwestlandandhome.com

80+/- Acres Clay County, KS Land
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Property Location: From the intersection of Hwy 24 & Hwy 15 in Clay Center travel South for 15 miles to 3rd Road, turn East on 3rd Road for 1/4 mile, this is the Southwest corner of the property.
Listing Agent: Barrett Long, 785.447.0329
or Barrett@MidwestLandandHome.com

118+/- Acres Republic County, KS Land
Asking Price: \$605,000

Legal Description: S20, T01, R02W, ACRES 60.3, W3/4 N1/2 SW1/4 AND S20, T01, R02W, ACRES 58.1, W3/4 S1/2 NW1/4 Approximately 64 ac. high quality cropland, the balance being mature trees, creek and meadow. Rural water and electricity available. Excellent Hunting Income.

Property Location: From the intersection of Hwy 81 & Hwy 36 in Belleville, travel 9 miles North on 81 to Elm Rd, turn East for 2 miles then turn North on 200th Rd. for 1/2 mile. Property sits on the east side of 200th Rd.
Listing Broker: Mark Uhlik, 785.325.2740
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196+/- Acres McPherson County, KS Land
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Listing Agent: Spencer Crowther, 785.212.0520
or Spencer@MidwestLandandHome.com

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Ag Finance - August 8th

KS State Fair Issue (BOGO Half Price) - August 29th

Fall Harvest (4 week series) - starts September

Fall Full of Bullz - September 12th

G&G Farm Show Edition - October 31st

Soil Health - November 7th

Christmas Business Greetings - December 19th

DEADLINES:

Ag Finance - August 2nd, before Noon

KS State Fair Issue - August 23rd, before Noon

Fall Harvest - August 30th, before Noon

Fall Full of Bullz - September 6th, before Noon

G&G Farm Show Edition - October 25th, before Noon

Soil Health - November 1st, before Noon

Christmas Greetings - Dec. 13th, before Noon

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Phillipsburg rodeo announcer celebrates 40 years announcing Kansas Biggest Rodeo

Randy Corley's smooth voice floats across the Phillipsburg rodeo arena, with music in the background and the hum of happy voices as fans settle into their seats for a night of rodeo action at Kansas Biggest Rodeo.

For forty years, that scene has been replayed, for three nights in early August.

Corley, a native of Wyoming who, after broadcasting school in Seattle, settled in North Platte, Neb., worked at two North Platte radio stations. A former high school rodeo contestant, he announced at the nightly rodeo series that was in North Platte in the 1980s. There he met famed rodeo announcer and musician Hadley Barrett; Barrett helped Randy get his start as a professional rodeo announcer, and Randy married Hadley's daughter Michelle in 1984, the same year he won a Nebraska Region Radio DJ award, and his first of what would be twelve PRCA Announcer of the Year awards.

Barrett was the person who got Corley started in Phillipsburg. Barrett had announced the rodeo from 1977 to 1983, and in 1984, asked the rodeo committee if they'd be willing to hire a young announcer, just starting out, Barrett's son-in-law.



Rodeo announcer Randy Corley is shown with his wife Michelle.

Rod Innes was on the committee at the time, and he remembers sitting at a table at the PRCA convention in Denver, when Barrett approached them about Corley.

"Hadley had the opportunity to announce seven performances in Casper, and he wanted to know if we would hire Randy. We didn't have much choice," Innes said, "because Hadley was going to Casper.

"We hired Randy and

never looked back."

Michelle and their kids Cole and Brittany came to Phillipsburg when the kids were young and have good memories of Phillipsburg.

"It's where our kids learned to swim," Michelle said. "Brittany and Cole swam at the Mark V pool with the Beutlers and Greg Rumohr." Randy remembers the water fights the kids and Rumohr, a former bullfighter for

the rodeo who has since passed away, would have.

"Greg would come and throw cold water on Cole's head," he said. "It was always a fun day."

When the kids were little, Michelle borrowed cribs for them when they were in town.

Over four decades, he and Michelle have good memories of Phillipsburg.

He remembers the time Michelle won the truck that is awarded to an associate member. That year, the couple discussed buying the associate membership, because it was a stretch for their budget. But Randy wanted to support the rodeo committee, so "We went ahead and bought it," he said, "and damned if she didn't win the truck." She was at the hotel; this was before the days of cell phones, so someone called the hotel to tell her she won. She didn't believe it, telling him he was "full of crap," but drove out to the rodeo grounds. Tiny Shields, former committee member, met her at the gate and gave his congratulations. "Oh, you're in on this, too," she said, thinking it was a joke. When Bennie Beutler congratulated her, she realized she had truly won.

Randy remembers when he and long-time rodeo clown Rick Young

would buy raffle tickets for the gun and lament that they never won. When the winners were announced at the rodeo, Young would look at Randy, and, in the middle of the arena, would throw his tickets in the air.

Innes, who was on the rodeo committee for 38 years, said Corley has added so much to the rodeo.

"The announcer is the one who brings the rodeo together," he said. "Without a good announcer, you lose a lot, and Randy is a great announcer."

He, along with Bob Quanz, another former rodeo committee member, said Randy always did his homework. "I don't think people realize how much homework it takes to be a good announcer," Innes said. "Randy studied who was up, the horses or bulls they were on, what their standings were, Randy knew all of this stuff."

Corley works well with different clowns and specialty acts, and he handles emergencies well, too, Quanz said. "He can carry a show through all of that." Quanz recalls last year, when two saddle bronc riders were hurt within minutes of each other, and how Corley was able to keep the show going while the injured riders were attended to.

Corley has left his own mark on the Phillipsburg rodeo. He's the one who dubbed the grandstands on the east side, to the north, as the Coors Rowdies, and then, as Rumohr's Rowdies.

Corley loves the people of Phillipsburg and the county.

"It's like a family," he said. "I feel like I'm going to a family reunion." Everywhere he goes, he's greeted by locals. "Walking into the grocery store, everybody says, 'Hey, how are you?'"

The family lived in North Platte, then moved to Washington State in 2001. In 2019, he and Michelle moved back to North Platte.

Every year in August, Phillipsburg becomes "home" for him and Michelle, for a week.

"There are so many people in that town who are so good to us."

Kansas Biggest Rodeo in Phillipsburg is August 3-5 at the rodeo grounds one mile north of town. Performances begin at 8 p.m. nightly. Tickets range in price from \$18-\$20. They can be purchased online at KansasBiggestRodeo.com, at Garrett Insurance in Phillipsburg, and at the gate.

For more information, visit the website or call 785-543-2448.

Top economists, industry leaders preview farm economic outlook

Environmental Protection Agency administrator Michael Regan will provide perspective on key issues facing his agency during the Ag Outlook Forum on September 25 at the downtown Marriott in Kansas City.

"With so many environmental issues top of mind for the agricultural community, we are excited to have the Administrator join us in person," said Sara Wyant, editor-in-chief of Agri-Pulse. Bob Petersen, executive director of The Agricultural Business Council of Kansas City, added that, "the event has become a 'must attend' for agribusiness executives looking to re-set their expectations heading into the fall harvest."

The Agricultural Business Council of Kansas City and Agri-Pulse Communications are bringing together top

economists, industry leaders and government officials to offer unique insights during their 9th annual Ag Outlook Forum. Other speakers include:

- Denver Caldwell, director of sales for the U.S. and Canada, John Deere

- Hans Kabat, president, Cargill Protein North America

- Ken Seitz, president, and CEO, Nutrien
USDA Chief Economist Seth Meyer will lead off a panel discussion looking at the ag economy. Panelists include:

- Arlan Suderman, chief commodities economist, StoneX

- Krista Swanson, lead economist, National Corn

Growers Association

- Roland Fumasi, EVP and North American regional head, RaboResearch Food & Agribusiness

- Sara Wyant, Agri-Pulse, will serve as the panel moderator

The program will also feature a discussion of the 2023 farm bill prospects led by Missouri farmer Blake Hurst. Invited to join him on the panel are U.S. Representatives Sharice Davids, D-Kan., and Tracey Mann R-Kan.

Further information, including registration, is available at www.agoutlookforum.com. Attendees may register to attend both in-person and virtually. Early bird registration discounts are available before August 25.

K-State experts urge men to talk about their health

Sometimes, society's norms make it more difficult for men to take care of their health.

"We're told to brush it off, walk it off, don't cry, don't show your true feelings..." said Brad Dirks, the associate director of Kansas State University's Physician Assistant program.

"That's true when we talk about (physical) health, and even mental health. Those symptoms that would normally be

evident are different for men. Signs and symptoms look different because we ignore them for quite a while until it becomes something that we can't ignore."

Dirks and colleague Elaine Johannes - the Kansas Health Foundation Distinguished Professor of Community Health at K-State - have varying perspectives on the effects of men's tendency to put aside their immediate health.

"I've been married well over 40 years, and it's hard to see the men in our lives not take care of themselves," Johannes said. "It's hard to also know when to intervene, when to remind, when to nudge, when to nag... and I am more and more concerned that the men in our lives are pushing so hard to provide for their families and to maintain the stamina they had when they were younger."

Dirks noted that the

leading health-related causes of death among men are - in order - heart disease, stroke, suicide, prostate cancer and lung cancer.

"We know that there are genetic links for many diseases, which you can't control," Dirks said.

But he added that the risk factors for common diseases are controllable. "Smoking is a risk factor for all of the top five," Dirks said. "And, we can monitor our cholesterol,

blood pressure, weight, activity and blood sugar levels."

"We are discovering more and more links between these illnesses and the risk factors that contribute to them," Dirks said.

Johannes said that unlike women, men don't often talk about health amongst themselves. Pop culture is filled with images of strong men - think of superheroes like Captain America, Superman and Iron Man - who are not expected to show signs of weakness. Unwittingly, these images have caused a challenge for men's health.

"I don't know that men talk to each other about their health," Johannes said. "I think the more that men are familiar with noticing their health when they're younger, and then are willing to open up and talk about it beyond their mom and wife, the more likely they will be able to avoid or deal with diseases."

Dirks added: "I think part of it is starting early and training young men to be open to discussing

health. If it's modeled by your father, that gives you permission. You need to start checking your blood pressure, blood sugar and cholesterol regularly at least by age 20. If it's okay, you can go a period of time without checking it again, but if there's a family history of problems, that should be a motivator to stay on top of it."

Johannes and Dirks pointed out that caring for one's health is akin to showing care for loved ones, as well.

"Wanting to be healthy for someone else is pretty powerful," Dirks said. "Often times, we won't do it for ourselves; we're fairly fatalistic in many of these things. But when we realize that we have other people we care about, we may want to do it for them."

Listen to a longer discussion with Johannes and Dirks on the weekly radio program, Sound Living, produced by K-State Research and Extension. More information on healthy living is also available from local Extension offices in Kansas.

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United States cattle inventory down 3%

There were 95.9 million head of cattle and calves on U.S. farms as of July 1, 2023, according to the Cattle report published today by the U.S. Department of Agriculture's National Agricultural Statistics Service (NASS).

- Other key findings in the report were:
- Of the 95.9 million head inventory, all cows and heifers that have calved totaled 38.8 million.
 - There are 29.4 million beef cows in the United States as of July 1, 2023, down 3% from last year.
 - The number of milk cows in the United States remained unchanged at 9.40 million.
 - U.S. calf crop was estimated at 33.8 million head, down 2% from 2022.
 - All cattle on feed were at 13.1 million head, down 2% from 2022.

To obtain an accurate measurement of the current state of the U.S. cattle industry, NASS surveyed roughly 15,600 operators across the nation during the first half of July. Surveyed producers were asked to report their cattle inventories as of July 1, 2023, and calf crop for the entire year of 2023 by internet, mail, telephone, or personal interview.

The Cattle report and all other NASS reports are available online at nass.usda.gov/Publications.

Ukraine-Russia grain deal collapses

Wheat and corn rallied to three-week highs as another wave of Russian attacks battered southern Ukraine following the collapse of the grain-export deal, said an article published by Feedstuffs.

Shelling hit agriculture terminals in the ports of Odesa and Chornomorsk, according to the agriculture ministry. The damage knocked out a "significant part" of Chornomorsk's grain-export infrastructure and destroyed 60,000 tons of grain there.

The ports were two of the three that had been opened under the Black Sea grain deal, which Russia exited recently, a year after it was originally agreed to. The strikes highlight security risks and could weigh on plans by officials to continue shipments without the pact in place.

The fallout from the ongoing war mixed with drier weather in parts of the Corn Belt has driven prices higher.

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FARM EQUIPMENT, ANTIQUE TRACTOR, TOOLS, ANTIQUE & HOUSEHOLD AUCTION

SATURDAY, AUGUST 19, 2023 * TIME: 9:00 AM
LOCATION: On Hwy. 4 at PENDENNIS, KS turn north on Red Chief Rd, go 9 mi. north, 1/2 mi. east, 2 mi. north, 1 mi. east, 1 1/2 mi. south to farm site. From Quinter, KS turn south on Castle Rock Rd, go 19 mi. south, 3 mi. west, 1 1/2 mi. south to farm site.

TRACTOR & BIDIRECTIONAL: 1992 Ford 9030 bi-directional tractor, loader, cab end only pto, 3500 hrs.?, recently been through the shop; Kubota BX 2660 tractor, Xtra Power, mfw, 106 hrs, snow blower, quick hitch; Land pride RTR 1558 roto tiller, 3 pt.; Kubota 4 ft. rotary mower, 3 pt.; County Line 3 pt. rear blade, 8 ft.

TRAILERS: 2001 PJ goose-neck trailer, 20 ft. w/5 ft. dove-tail; Jantz water trailer w/1500-gal fiberglass tank; 2009 Pace enclosed 20 ft. trailer, car hauler; 1992 Diamond D goose neck stock trailer, 20 ft., full top; Utility box trailer.

FARM EQUIPMENT: Flex King 5x5 sweep plow; JD 1525 hydro swing swather, 15 ft., steel rolls; Brown 12 ft. speed mover; Otter 12 ft. dozer blade, fits IHC 7130; Krause 16 ft. disk, needs work; JD 7000 planter, pull type, 6-row; Ripper 14 ft., 3pt.

LIVESTOCK ITEMS: Skull cake feeder for side-by-side; New Ideal ATV calf catching cage; Filson calf cradle; AI kit for cattle; Wire & steel panels; (40) Tire feed bunks.

ANTIQUA TRACTORS & CAR: 1933 Farmall F-12 tractor, rebuilt, on steel; 1939 Farmall F-14 tractor, rebuilt, on rubber; Farmall F-20 frame & wheels; 1923 McCormick 1020 tractor, on steel; 1928 McCormick 1530 tractor, mostly complete; 1929 McCormick Farmall regular tractor; Farmall W-9 tractor; Farmall M tractor, stuck; Farmall H tractor, need restored; 1934 Farmall F-30 tractor, needs restored; Farmall 1020, Regular, F-20 tractors, need rebuilt; Gleaner G combine; Lots of tractor parts & pieces; 1926 Model T car, 2 dr. sedan - has many new parts & original parts, needs put together; 2 & 3 bottom plows.

TRUCKS & PICKUP: 1972 Dodge D-500 truck, 318 motor, 4x2 spd trans., 15 ft bed & hoist, 37,000 Miles, non-running; 1974 Ford truck, 16 ft bed & hoist, non-running; 1977 Dodge truck chassis, 318 rebuilt motor, 4x4, 4x2 spd trans.; 1999 Ford F-250 pickup, 4x4, long box, diesel motor, auto., 130,000 miles.

OTHER FARM ITEMS: Hustler Raptor zero-turn mower, 48" flip up deck, 25 hp.; Farm Fab overhead bin, on skids, 16-ton; Severy overhead bin on skids, 12-ton; Drill fill auger; 1000 gal. diesel tank; 200 & 300 gal. fuel tanks on stands; Old Snapper riding mower, zero-turn, needs work; 30 & 40 gal. 3 pt. sprayers, 12-volt; Chevy pickup topper; Portable cement mixer.

ANTIQUA & COLLECTIBLE: Oak entry table; Wooden butter mold; Kraut cutter; Crocks; Old License tags; Old wagon; Peddle car; Feinton glass; Old pressed glass; Handy work; Cast wood burning stove; Old school desk; Old trunk; Old kerosene & gas lanterns; Metal doll house; Metal toy filling station; Metal & rubber toys; Lots of advertising memorabilia; Belt buckles; WWI army helmet; Model T manuals; Old tools; Old tractor manuals & parts books; Flash glass; Cast iron toy car & cap pistol; Miner's lamp; Cream cans; Insulators; Milk bottles; Tins; Wicker Pram-carriage, unusual; Wooden high chair; Hand crank wall phones; Cast iron waffle iron; Sad irons; Old jars; Anvil; Old buffet w/mirror; Ice cream chairs; Ice cream table & chairs; Pigeon hole from post office; Old tools; Green & pink depression glass; Carnival glass; Figurines; Hobnail glass; Souvenir glass; Old photo equipment; Oak parlor table, glass ball feet; Tinker toys & Lincoln logs; Tiffany style light; 1940 Elana sewing machine; Ted Allen horse shoes; Mo-Pac tin wind up train.

FURNITURE & APPLIANCES: Burgundy lift chair; End tables; Lazboy brown glider; Dropleaf dining table w/4 chairs; Corner curio cabinet; Chrome Craft dining table w/4 chairs; Whirlpool portable dishwasher; Maytag electric range; Frigidaire refrigerator w/top freezer; Queen size bedroom suite, 6-drawer dresser & night stand; Blonde full size bedroom suite, dresser w/mirror, chest of drawers; Coronado chest type deepfreezer; Full size bed w/ chest of drawers.

SHOP EQUIPMENT & TOOLS: Sioux valve grinding machine; Bolt bins; Parts washer; 30-gal air compressor w/Honda motor, on trailer; Sand blasting equipment; Table saw; (2) Pro Max bench model drill press; Radial arm saw; Coleman 6250 portable generator; Welding table; B&D cut off saw; Cutting torch & gauges; Windmill pulling tools; Twentieth Century welder; Platform scales; Cherry picker; Lots of hand tools; Montezuma tool box; Shop vac; Pittsburgh 1.5-ton floor jack; Propane heater; Flood lights; Air bubble; **Many other items!**

OTHER HOUSEHOLD ITEMS: Pots & pans; small kitchen appliances; Neche sewing machine; sewing items; (2) microwave oven; Corningware; Kitchen Aid mixer; Glassware; **Many other items!**

Check us out on Facebook & at www.berningauction.com

BILL JONES ESTATE, OWNER
Items need to be removed within 3 weeks.

TERMS: VALID ID required to register. NO EXCEPTIONS! Cash or approved check day of sale. No credit cards! Everything sold as is. No warranties expressed or implied. Not responsible for theft or accident. Announcements day of auction take precedence. **LUNCH SERVED.**

NOTICE: Due to Covid-19, you are responsible for your own SAFETY and HEALTH. The auction company nor the seller will be held responsible. Social guidelines are in place, so please be respectful. We know auctions are a hard place to social distance, so we will have masks and hand sanitizer available. Enjoy the auction!

BERNING AUCTION, INC.
 812 West M, Leoti, KS 67861, 620-375-4130

EPA faces deadline to revise WOTUS

EPA is facing a regulatory countdown for amendments to the "Revised Definition of 'Waters of the United States'" (WOTUS) rule. EPA has now submitted a package of amendments to the Office of Management and Budget (OMB) for their review, although the specifics of these changes have not been disclosed. This action follows a restriction placed on EPA's power to regulate wetlands by the U.S. Supreme Court.

Additionally, the EPA has won a reprieve to postpone its appeal against an injunction that stopped the enforcement of the WOTUS rule in 24 states, as guided by a verdict from the Eight Circuit Court of Appeals. The rule's enforcement has also been halted in Texas and Idaho.

Through a court filing, the EPA has proposed that their amended rule could focus the issues of the case more effectively, enabling those involved in the lawsuit to respond to the revised rule without engaging in unwarranted litigation.

EPA is expected to release the new rule by Sept. 1, with a deadline from the court to offer a progress report on the matter by Sept. 15.

We want to see your Kid's Corner pages!

Send us *any* completed Kid's Corner page and you could **win a prize!**

***Contest will run July 25th, August 8th, 15th, and 22nd — 4 chances to win!!!!**

Winners will be drawn randomly from all submissions received by 9 a.m. the Friday prior to the edition.

**No limit on number of submissions, but you may only win once per contest.*

Week 1 - July 25:

Book:
 "The Prairie Nature Built"
CONGRATULATIONS
 HUDSON W. • ALMA, KS



Week 2 - August 8:
Deadline to win:
 9 a.m. Friday, August 4th*

Book:
 "B is for Buckaroo"



Week 3 - August 15:

Deadline to win: 9 a.m. Friday, August 11th*

(2) Kid Passes to the Flint Hills Discovery Center



Week 4 - August 22:
GRAND PRIZE DRAWING

Deadline to win: 9 a.m. Friday, August 18th*

All non-winning entries received for previous weeks will be entered to win! (one entry per child)

Family Pack (4 tickets) for the Kansas State Fair Monster Trucks September 17, 2023 @ 5:00 PM

BE SURE TO INCLUDE YOUR NAME, AGE, MAILING ADDRESS & PHONE NUMBER WITH EACH SUBMISSION. *We do not sell or distribute any information received. It is used for contact purposes only.

Mail your submissions to: PO Box 1009, Manhattan, KS 66505 **Questions? Stop by:** 1531 Yuma St. **Or email submissions to:** gandgclass@agpress.com **Call** 785-539-7558 **Manhattan, KS**

Don't forget to enter our Kid's Corner Contest!

Grab a friend or family member, ask them for each type of word specified below the blanks, then fill them out in order to create a funny camping story!

For extra fun, Don't show or tell them what the story is about!

verb: action word (example: run, draw, chopping)
adjective: describes a noun/pronoun (example: colorful, big, beautiful)
noun: person, place, or thing (example: Grandma, home, cupcake)

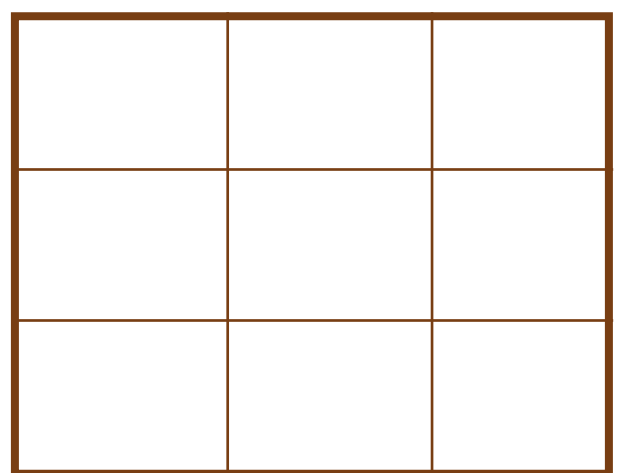
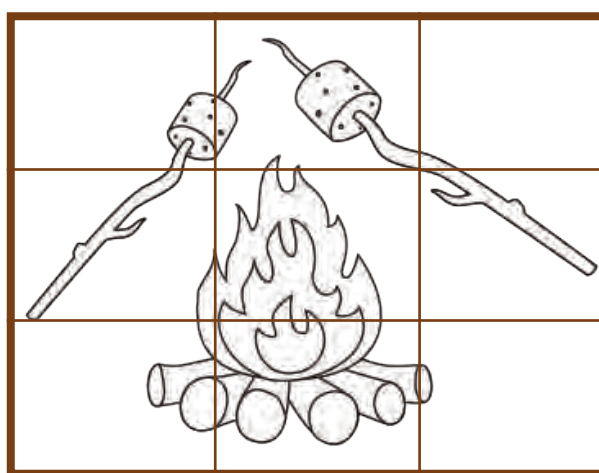
Let's go Camping



My family and I went camping near a/n _____ this summer. Camping is _____ because you get to _____ and _____ outside. When we _____ to the campground, we set up our _____, where we will _____ at night. We like to go _____ in the _____, hoping to _____ some _____ fish for dinner. We also go _____ in the _____, hoping to spot wildlife like _____ or _____. My favorite part about camping is _____ over the campfire.

Draw and color your own campfire!

Look at the grid on the left and copy the image into the grid on the right.



CoBank Quarterly: U.S. economic slowdown likely ahead as monetary policy actions begin to take effect

The U.S. economy continues to defy gravity and remains strong despite lingering inflationary pressures, higher borrowing costs and a barrage of other headwinds. Consumers continue to spend aggressively on services, businesses are still investing and the labor market remains incredibly strong. Secure jobs are the most important element in consumer spending and well-employed Americans have powered the economic recovery for three years.

However, looming risks to the economy are increasing in number and size. According to a new quarterly report from CoBank's Knowledge Exchange, the full impact of monetary policy actions — raising interest rates, quantitative easing and contracting the money supply — have yet to be felt. Those policy actions, combined with depleted consumer savings, tighter commercial bank lending standards and the persistently inverted yield curve are likely to result in a mild recession by the fourth quarter of 2023.

"There is still a lot of wind at the back of this economy and we don't believe a severe contraction is coming," said Dan Kowalski, vice president of CoBank's Knowledge Exchange. "But we do believe it is important to not misinterpret delayed impacts for minimal impacts. Monetary effects can be slow in developing, and history tells us that the economy can seem just

fine right before a recession hits."

The labor market remains relatively tight, but the situation has improved significantly as female and non-native workers have stormed back into the work force. The labor force participation rate for women between the ages of 25-54 now stands at an all-time high, up more than 4 percentage points from the low in April 2020.

Foreign-born employment has increased at roughly double the pace of native-born employment since April 2020. The successes in these two groups have been critical so far in the economic recovery. But looking forward, it raises the question of how many more workers are available to be coaxed in off the sidelines. Ultimately, the U.S. labor force challenges are far from over.

Grains, Farm Supply and Biofuels

With the corn and soybean growing season in full swing, drought across the Central U.S. is driving heightened seasonal market volatility. Markets are balancing the quickly deteriorating crop conditions against the potential for El Nino to bring wetter conditions later in the growing season. Wheat harvest is advancing northward in the U.S. and is revealing high variability in crop quality. USDA expects the U.S. hard red winter wheat crop to be the smallest since 1957 on substantially higher abandonments and lower yields.

Ag retailers faced a more challenging environment in the second quarter as fertilizer prices continued to fall. Prices were weighed down by reduced demand, as farmers took advantage of pre-payment programs last fall to purchase fertilizer in advance. Despite an overall slowdown in inflation, ag retailers continued to face rising costs, especially for property insurance. Grain and farm supply cooperatives paid about 50% more for property and casualty insurance coverage during the January and April 2023 renewal seasons.

The ethanol complex delivered strong second quarter results with steady production and above-average profitability. Operating margins averaged 45 cents per gallon, nearly double the long-term average. While the finalized blending requirements under the Renewable Fuel Standard (RFS) were somewhat disappointing for ethanol, they were incrementally positive for biomass-based diesel. The new rules call for 2.82 billion gallons of biodiesel and renewable diesel in 2023 and 3.35 billion gallons in 2025.

Animal Protein and Dairy

As the summer grilling season kicked off, beef demand remained incredibly resilient despite elevated prices for consumers. Retail beef prices averaged \$7.50 per pound in May, a record high for the period, and an increase of 2% year-

over-year. Robust demand combined with tighter cattle supplies spurred market momentum for cattle. Fed cattle values reached record levels, above \$180 per cwt. and feeder cattle shot above \$240 per cwt. While consumers have yet to balk at higher beef prices, things could quickly change when seasonal support wanes.

Excess hog supply and weak pork demand put hog prices in jeopardy this spring. After a steady start to the year, the CME lean hog index tumbled about \$10 per cwt., to \$72 from mid-March to late April. However, more favorable market conditions across the animal protein segment drove lean hog values up 30% through May and June. While still down about \$15 year-over-year, the pork cutout landed in the upper \$90s, gaining about \$20 per cwt. through the quarter.

Domestic chicken consumption was up about 4% year-over-year through June 1, which has helped chip away at elevated cold storage holdings. Wholesale broiler meat prices have largely rebounded to pre-pandemic levels, following significant declines in late 2022 and early 2023. Feed costs have come down about 10% from last year but remain well above their historic averages. For broiler integrators, increased feed costs coupled with higher operational expenses have crimped profitability.

U.S. milk producers continue to struggle in the current price environment. The national all-in mailbox milk price has dropped below the \$20 per cwt. mark after averaging \$25.34 per cwt. in 2022. While several factors are to blame for this year's milk price decline, the sharp drop in American/cheddar-style cheese prices is the most significant. Prices for the category have dropped by one-third since the beginning of the year. Milk and feed futures

suggest producer profitability should improve considerably by October when Class III milk prices are anticipated to increase by about \$3 per cwt.

Cotton, Rice and Specialty Crops

U.S. cotton production is rebounding from last year's crop that was devastated by extreme drought across the southwest. Recent rainfall in top-producing Texas is expected to reduce abandonment following three years of severe drought. The U.S. cotton crop is now estimated at 16.5 million bales, up 14% from last year. Price inflation for clothing and apparel in the U.S. continues to ease with the moderation of cotton prices, which may work to draw in new consumer demand.

U.S. rice production is expected to recover from last year's small crop, although concerns over dryness and worsening conditions in the mid-South have led to increased volatility of rough rice prices. With improved water availability this year, California medium grain rice production is also expected to rebound with planted acreage at 465,000 acres. That's a substantial increase from last year's planted acreage of 220,000 acres that were restricted by historic drought conditions.

Sugar prices remain historically high as markets ration tight global supplies. USDA currently calls for a rebound in world sugar production for 2023-2024, but concerns are growing that El Nino will result in smaller harvests in 2023-2024. In the U.S., there is no relief in sight for high prices as wet weather delayed planting across northern states this spring, which resulted in a smaller U.S. sugarbeet crop.

The tight farm labor market continues to be especially challenging for U.S. specialty crop producers. The Federal Reserve Bank of San Francisco reported that weekly median wages for farm workers swelled to a record high \$915 in April, a 24% increase from the year earlier. In June, the

House Agriculture Committee created a bipartisan working group, tasked with evaluating the H-2A program and finding solutions for the labor supply challenges facing farmers.

Food and Beverage

While food manufacturers generally indicate they are back to business as usual in the post-pandemic era, many consumers continue to harbor a crisis-management mentality when it comes to food costs. Rising food prices are challenging both at-home and away-from-home food spending. The Consumer Price Index for all food in May was 6.7% higher than May 2022, while food away-from-home prices were up 8.3%. To offset higher prices, consumers are continuing behaviors initially seen during the pandemic, namely eating more meals at home. Foot traffic in restaurants remains well below pre-pandemic levels.

Power, Water and Communications

Falling fuel and energy prices have brought some much-needed relief to rural consumers, who were uniquely disadvantaged by rising energy bills in recent years. Gasoline, diesel, heating oil, natural gas and electricity all cost less than they did a year ago. Rural discretionary incomes fell by a staggering 50% from 2020 to 2022 compared to 13% for urban residents. Transportation and home energy expenses were responsible for two-thirds of the inflationary divide between rural and urban households.

Microsoft, Google and Meta are investing billions of dollars in artificial intelligence applications, which have exploded onto the scene in recent months. Applications like ChatGPT will dramatically increase the need for data processing capacity, fiber network connectivity and other communications infrastructure. Telecommunications operators in rural and smaller cities are well positioned to meet this growing need, as data storage and computation needs to occur in near proximity to where AI applications are run.

HERINGTON LIVESTOCK COMMISSION CO.

CATTLE SALE EVERY WEDNESDAY: 12:00 PM

Results for July 26, 2023

— COWS / HFRSTS / BULLS —

	Weight	Price Range			
Cows:	1140-1755	\$105.50-123.00	Council Grove	19 blk	811 \$240.00
Bulls:	1750-2520	\$128.00-137.50	Hope	5 red	767 \$239.50
			Lincolnville	61 mix	876 \$238.00
			Lincolnville	9 red	935 \$227.00

— TOP STRINGS OF EACH CLASS —

	HEAD	WEIGHT	PRICE		
STEEERS					
Hope	8 red	488	\$300.50	Marion	20 blk 610 \$279.00
Hope	4 blk	586	\$286.50	Marion	16 blk 666 \$253.00
Herington	5 blk	573	\$281.00	Herington	16 blk 655 \$250.50
Herington	10 blk	655	\$277.50	Marion	36 blk 671 \$246.00
Burdick	7 mix	661	\$267.00	Council Grove	22 blk 591 \$244.00
Council Grove	13 blk	624	\$267.00	Herington	7 blk 607 \$240.00
Hope	16 red	687	\$264.00	Burdick	140 mix 713 \$238.25
Council Grove	84 blk	719	\$262.50	Council Grove	42 blk 676 \$237.00
Herington	11 blk	725	\$261.00	Herington	10 blk 711 \$236.00
Herington	5 blk	731	\$259.00	Abilene	101 mix 831 \$231.00
Marion	35 blk	732	\$254.50	Herington	40 blk 748 \$230.00
Herington	30 blk	770	\$250.25	Abilene	61 mix 888 \$221.50
Herington	12 blk	802	\$247.00		
Hope	4 blk	771	\$247.00		

NEXT SALE: JULY 19, 2023

CHECK WEBSITE FOR CONSIGNMENTS

Manager: Tracy Ediger, 785-366-6645 * Barn Phone: 785-258-2205

Seth Bartel, 620-382-7041 • Tate Becker, 785-258-4165

Dave Bures, 402-766-3743 • Tim Wildman, 785-366-6152

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EMPORIA LIVESTOCK SALE CO.

Bonded & Insured

SALE EVERY WEDNESDAY IN EMPORIA, KANSAS AT 11:00 AM

620-342-2425 or 800-835-7803 toll-free • Fax: 620-342-7741

Date: 7/26/23; Total Head Count: 1,346.

COWS: \$84-\$122.00; BULLS: \$127-\$136

HEIFERS		16 blk		806@231.50	
3 mix	332@247.00	44 mix	881@208.00		
3 mix	455@247.00	15 mix	924@211.00		
3 blk	413@246.00	22 mix	969@196.00		
3 mix	410@239.00			STEEERS	
3 blk	448@231.00	4 blk	414@297.50		
4 mix	496@228.00	4 blk	463@267.50		
12 blk	573@253.00	4 bkbfw	453@260.00		
4 mix	579@242.00	6 mix	513@279.00		
3 blk	588@231.00	3 blk	570@267.00		
14 mix	637@253.00	6 blk	594@258.00		
7 mix	631@246.00	7 mix	552@257.00		
12 bkbfw	641@245.00	6 mix	598@241.00		
6 mix	654@245.00	7 blk	640@263.00		
197 blk	695@240.50	5 mix	640@260.00		
10 blk	646@239.00	6 mix	678@257.00		
7 mix	633@238.00	3 blk	705@263.00		
3 mix	667@238.00	9 blk	725@261.00		
29 red	693@238.00	3 blk	700@258.00		
15 mix	693@237.00	19 blk	735@258.00		
3 red	668@236.00	7 bkbfw	744@253.00		
23 mix	699@236.00	3 blk	755@252.50		
8 blk	687@234.00	3 blk	728@247.00		
4 mix	661@223.00	32 mix	756@243.00		
4 blk	690@221.00	4 blk	730@229.00		
60 mix	717@239.00	3 red	752@195.00		
179 blk	784@236.00	9 blk	837@248.00		
17 mix	737@234.50	7 blk	816@246.00		
24 blk	745@234.50	31 mix	825@241.00		
16 mix	745@234.00	60 blk	889@240.00		
30 mix	780@231.00	7 mix	843@237.00		
44 bkbfw	793@231.00	5 blk	821@231.00		
3 blk	777@229.00	3 mix	880@201.00		
5 blk	743@228.00	19 bkbfw	912@235.00		
62 red	800@237.00	6 bkbfw	989@217.00		

Check our website for consignments!

THANK YOU FOR ALL OF YOUR CONTINUED SUPPORT!
YOUR BUSINESS IS ALWAYS APPRECIATED!

For Cattle Appraisals Call:

BRODY PEAK, 620-343-5107 GLENN UNRUH, 620-341-0607
 LYLE WILLIAMS, Field Representative, 785-229-5457
 MATT REDDING, Field Representative, 620-364-6715
 DALTON HOOK, Field Representative, 785-219-2908
 WIBW 580 - 6:45 A.M. Thurs; KVQE 1400 - 6:30-6:45 A.M. Thurs. & Fri.
To see more consignments go to: emporialivestock.com

JC LIVESTOCK SALES INC.

Wednesday Sale, Hogs NOON • Cattle 12:30 PM

Report from July 26th, 2023

STEEERS		HEIFERS	
6	410 298.00	8	613 267.00
4	589 292.00	11	680 255.00
17	616 291.00	12	710 245.00
6	653 282.00	9	793 240.50
12	750 264.00	18	749 233.50
7	796 243.50	36	736 227.25
15	823 242.00	2	873 214.50
59	902 238.50	2	1170 175.00
60	920 235.00		
47	852 235.00		
61	980 219.75		

SPECIAL CALF SALE: AUG. 2 @ 11:00 A.M.

STRS & HFRS:

- 120 Ang X str/hfrs, 600-800#
- 20 Ang X w.v. str/hfrs, 600-750#
- 220 Ang X str/hfrs, 600-850#
- 60 Ang X w.v. str/hfrs, 700-850#
- 25 Ang X str/hfrs, 600-750#
- 75 Ang X str/hfrs, 675-775#
- 90 bwf X str/hfrs, 700-875#
- 60 Ang X w.v. str/hfrs, 875-950#
- 80 Ang X str/hfrs, 600-750#
- 120 blk X w.v. str/hfrs, 600-750#
- 50 Ang X str/hfrs, 600-750#
- 60 Ang X w.v. str/hfrs, 700-850#
- 70 Ang X str/hfrs, 575-775#
- 20 blk X w.v. str/hfrs, 600-800#
- 93 Ang X str/hfrs, 700-850#
- 20 Ang X w.v. str/hfrs, 600-750#
- 60 blk X w.v. str/hfrs, 700-800#
- 100 Ang X str/hfrs, 600-800#
- 60 blk X w.v. str/hfrs, 700-850#
- 70 Ang X str/hfrs, 500-750#
- 45 Ang X w.v. str/hfrs, 750-850#
- 40 Ang X w.v. str/hfrs, 600-750#
- 126 blk X w.v. str/hfrs, 875-925#
- 80 blk X w.v. str/hfrs, 650-750#
- 10 blk X w.v. str/hfrs, 800-850#
- 20 Ang X w.v. str/hfrs, 600-725#
- 70 blk X w.v. str/hfrs, 650-850#
- 60 blk X w.v. str/hfrs, 700-800#
- 30 blk X w.v. str/hfrs, 600-700#
- 140 blk X, w.v. hfrs, 825-875#

EARLY CONSIGNMENTS FOR AUG. 9

• 50 blk X str/hfrs, 825-875# yr/igs off grass
PLUS MORE BY SALE TIME!

Watch online with cattleusa.com (Tab J.C. Livestock Sales)
Must register to bid.

If you need assistance in marketing your cattle please call & we will be happy to discuss it with you.

JUNCTION CITY, KANSAS • Barn Phone 785-238-1471
Seth Lauer 785-949-2285, Abilene

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

Report from July 25th, 2023

STEEERS:		HEIFERS:	
67	816 248.25	NO TEST	
13	703 247.00		
58	910 239.25		
1	1135 158.00		

TOP BUTCHER COW: \$119.00 @ 1,595 LBS.

TOP BUTCHER BULL: \$146.50 @ 2,045 LBS.

BRED COWS: \$1,475

PAIRS: \$2,400

NEXT SALE: AUGUST 1

SEE FACEBOOK PAGE FOR CONSIGNMENTS!

SHEEP & GOAT SALE:

SAT., AUGUST 5TH

ANNIVERSARY SALE

TUES., AUGUST 29

Clay Center, Ks • Barn Phone 785-632-5566

Clay Center Field Representatives:
Tom Koch, 785-243-5124, Lance Lagasse, 785-262-1185

KARL LANGVARDT

Cell: 785-499-2945

MITCH LANGVARDT

Cell: 785-761-5814

LYNN LANGVARDT

Cell: 785-761-5813

Register now for 2023 National Red Angus Convention

By Amy Wampler, RAAA communications intern

Cattle producers from across the nation plan to gather at the 70th Annual National Red Angus Convention Sept. 13-15 in Denver, Colorado. The three-day event will consist of keynote speakers, educational workshops, the Commercial Cattlemen's Symposium and plenty of fellowship.

Keynote speakers featured during the convention will discuss trending topics in the agriculture industry. From the trajectory of the animal protein industry to mental health, each speaker brings a fresh perspective to the current state of the industry.

The convention will kick off Wednesday with the Commercial Cattlemen's Symposium, which is open to the public, but registration is requested for meal planning. The various sessions aim to help beef producers strengthen and improve profitability of their operations. This year's sessions will focus on "Recovery After Drought." The lineup of speakers and panelists includes various influential and highly knowledgeable industry leaders who are prepared to provide cattle producers of all breeds a wealth of knowledge regarding nutrition, value-added opportunities, sustainability and more.

Wyoming farmer, author and past radio host Ron Rabou will kick off Thursday's agenda. Rabou's certified organic operation was recently recognized as one of

three national finalists for Farm Journal's Top Producer of the Year. Rabou speaks nationwide on different topics involving agriculture and family farm transition. His newest book, "Make Your OWN Way," shares his personal story of breaking the mold and creating independence in American agriculture.

Todd Nash and Allison Myers, Ph.D., will provide the keynote address on Friday, Sept. 15. For years, Nash has been an active advocate in the Oregon state legislature — helping to shape policies within farming, timber, ranching and natural resource issues. Most recently, he has worked with a bipartisan coalition to pass a bill that would fund a 24/7 suicide crisis line for farmers and ranchers.

As the Oregon State University associate dean for Extension and engagement of public health and human sciences, Myers works with partners to promote community health across topics ranging from tobacco prevention to food environments, promoting mental health and preventing deaths of despair from overdose and suicide.

The convention will conclude with keynote speaker Janette Barnard. Barnard is passionate about the intersection of animal agriculture and innovation. She writes Prime Future, a weekly newsletter for innovators in livestock, meat and dairy. She draws from her background working for Elanco, Cargill and McDonald's Global Sup-

ply Chain. She is on the Ventures team at Merck Animal Health.

Along with the Commercial Cattlemen's Symposium and general convention sessions, a unique opportunity is available for college students. The Elevate Collegiate Leadership Conference will be held Sept. 14-15. This engaging professional development experience will help students gain necessary skills to succeed in a professional environment.

The convention will be held at the DoubleTree by Hilton at 3203 Quebec St. The deadline to reserve a room in the convention block is Aug. 10.

Registration is now open for the National Red Angus Convention. Those who register before July 15 will be entered into a drawing to receive the first night of room and tax complimentary. For more details, to register or reserve your hotel room, please visit RedAngus.org.

The Red Angus Association of America serves the beef industry by enhancing and promoting the measurable advantages of Red Angus and Red Angus-influenced cattle. The RAAA provides commercial producers with objectively described cattle by implementing new technologies and using scientifically sound principles that quantify traits of economic importance to beef producers in all segments of the beef industry. For more information, visit www.RedAngus.org.

American Gelbvieh Junior Association board of directors elected at AGJA Great Dakota Classic

The election of the American Gelbvieh Junior Association (AGJA) board of directors was held at the 2023 AGJA Great Dakota Classic on Wednesday, July 5, 2023. AGJA members elected five candidates to serve a two-year term.

The AGJA board of directors is comprised of nine AGJA members. Directors serve two-year

terms and are eligible to serve two full terms. Directors must be 16 but may have not yet reached their 20th birthday as of January 1 of the election year.

On the 2023-2024 board, they welcomed Lincoln Martin, son of Eric and Holli Martin of Bucklin. Re-elected for their second term were: Jaycie Forbes, daughter

of Troy and Pam Forbes of De Smet, South Dakota; Lily Judd, daughter of Nick and Ginger Judd of Pomona; Sadie Morris, daughter of Jason and Susan Morris of Batesville, Mississippi; and Jaylea Pope, daughter of Jeff and Jeanna Pope of Ravenna, Nebraska.

The board spends time following the election of directors to elect

an executive committee to serve in leadership positions for the 2023-2024 year. Jaycie Forbes, was elected president. Gentry Warner, daughter of Dan and Kate Warner, and the late Kasey Jo Warner, of Arapahoe, Nebraska, will serve as vice president. Lily Judd, daughter of Nick and Ginger Judd of Pomona, will serve as vice president of

leadership development. Drew Stock, son of Mark and Stacy Stock of Waukon, Iowa, was elected to serve as treasurer. Isabel Lowe, daughter of Raymond and Melissa Lowe of Adrian, Missouri, was elected secretary.

Retiring board members of the 2022-2023 AGJA board of directors included Rachelle Anderson, daughter of

Robert and Charlotte Anderson of Jamestown, Kansas; as well as Madalynn Welsh, daughter of Brian and Gina Welsh of Franklin, Nebraska. The association thanks them both for their service and commitment to the AGJA and its members during their time served on the AGJA board of directors.

Be aware of external pests in swine

By Wendie Powell, Wildcat Extension District livestock production agent

External parasites not only annoy livestock but also limit production. Damage to swine includes open wounds and skin irritations causing stress and discomfort.

Hog lice are the largest louse that infect domestic animals, at nearly a quarter-inch long. The louse's slate-blue color blends with the skin. Lice are first noticed in small clumps inside the ear or in neck skinfolds. These biting lice cause the skin to thicken and crack and is tender. Hog lice will attack pigs of any age or condition; however, stress increases vulnerability. This pest is spread through contact with infected animals. In adult hogs, the damage is primarily irritation. Infested animals often scratch or rub against objects. Animals become restless, eat less and lose weight. The hog louse can contribute to anemia in young pigs and can transmit other swine diseases.

Hog mange is caused by tiny mites that burrow through the skin, making short thread-like tunnels. Clues to a mange outbreak include scratching, rubbing and the presence of inflamed areas. The skin around the eyes, ears and along the backbone becomes scaly and inflamed. Hairs become stiff and stand upright, giving the animals a rough, unkempt appearance. Mange-infested pigs drop in growth rates and lose vitality. Secondary infections can move into areas where mites have burrowed. Lesions attract flies and magnify the situation. Mange is highly contagious. In addition, these mites

complete a generation in just two weeks.

Lice and mange are managed in a similar manner. Good management and prevention will go a long way. New animals should be isolated and treated for internal and external parasites before being introduced into the herd.

Swine operations often produce large quantities of fly-breeding material. The most common is the housefly. Large populations are a nuisance to the operation and neighbors. The more dangerous, but generally fewer in population, is the stable fly. While the housefly is only a premise pest, the stable fly will take blood meals. The house and stable flies are about the same size, but the stable fly is darker gray. They also have similar life cycles, but the stable fly will only breed in decaying organic material. Adults can live 20 to 30 days, and a female can lay 200 to 400 eggs in her lifetime. The flies may overwinter as adults and immatures. These flies are important from the standpoint of annoyance and blood loss. They are also potential vectors of some swine diseases like leptospirosis and hog cholera. Sanitation is a must to successfully manage flies. Elimination of breeding sites rather than reliance on chemical control will maintain fly populations at a manageable level.

For more information, contact Wendie Powell, Livestock Production Agent, (620) 784-5337, wendiepowell@ksu.edu.

PrairieFood welcomes Jason Tatge as new CEO

PrairieFood, developer of an innovative approach to converting waste biomass into safe, valuable, micro-carbon products for agriculture and other sectors, is excited to announce the appointment of Jason Tatge as its new chief executive officer. Additionally, Robert K. Herrington, the company's co-founder and CEO, will now assume the role of chairman of the board.

Tatge brings a wealth of experience and a deep understanding of the agricultural industry to the PrairieFood team. Throughout his career, he has proven exceptional leadership and has been instrumental in driving innovation and growth in the companies he has been a part of or founded. He has led his two startups, Farms Technology and Farm Mobile, to profitability and successful exits. His extensive background in commodity trading, technology and data solutions, and senior management position in large ag public companies uniquely positions him to lead PrairieFood during this exciting phase of the PrairieFood journey.

"I am honored and thrilled to join the PrairieFood team as the new CEO," said Tatge. "PrairieFood has already made

significant strides in revolutionizing micro-carbon technology, and I am excited to build upon this foundation and lead the company to even greater heights."

As chairman of the board, Herrington will continue to provide strategic guidance and contribute to PrairieFood's mission of transforming agriculture through innovative solutions. His visionary leadership has been instrumental in the company's success thus far, and his continued involvement as chairman ensures a seamless transition and ongoing support.

"I am proud of what PrairieFood has accomplished, and I have every confidence in Jason's ability to lead the company forward," said Herrington. "As chairman of the board, I will work closely with him and the entire team to further our commitment of developing and commercializing new micro-carbon technologies. In doing so, PrairieFood will be the leader in expanding circular economies on a global scale."

The appointment of Tatge as CEO and Herrington as chairman of the board marks an exciting new chapter for PrairieFood. With a strong

leadership team in place, the company is well-positioned to continue its mission of transforming the world's biomass resources into revolutionary micro-carbon products.

About PrairieFood: PrairieFood is the developer of an innovative and patented process of converting waste biomass into valuable micro-carbon products in a way that

overcomes the economic challenges of past biomass conversion efforts. The company provides an attractive cost-effective solution for the management of environmentally hazardous biomass and produces profitable, renewable products for the agricultural and energy markets that are cost-competitive. The patented technology is revolutionizing multi-

ple industries, including Renewable Natural Gas (RNG) and micro-carbon soil amendment sold directly to farmers and ranchers. PrairieFood is committed to enhancing soil health, promoting regenerative farming prac-

tices, and driving positive environmental benefits. Transforming the world's waste biomasses into revolutionary micro-carbon products, PrairieFood™ restores carbon in soil and creates RNG.

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WELCOME TO G&G — A RURAL NEWSWEEKLY

Grass & Grain, a farmers' newsweekly, has been published in Manhattan, Kansas for over 60 years. The G&G community looks to the Tuesday publication for timely, accurate information.

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

MARKET REPORT FOR TUESDAY, JULY 25, 2023
RECEIPTS: 879 CATTLE
FOR FULL RESULTS, VISIT OUR WEBSITE:
WWW.HOLTONLIVESTOCK.COM

STEERS	10 red char Meriden 616@232.00
8 blk Vermillion 378@310.00	7 blk hol x Leavenworth 582@197.50
7 blk Hoyt 496@300.00	10 blk bwf bulls Eudora 803@195.00
16 blk red Hoyt 598@286.50	HEIFERS
8 blk Mayetta 640@285.00	8 blk bwfVermillion 371@287.50
31 blk bwfHolton 684@275.50	7 blk Holton 425@257.00
35 blk bwfHoyt 688@274.50	37 blk red Lebo 679@255.25
16 blk bwfSmithville,MO682@271.00	8 blk bwfHolton 405@254.00
11 blk red Goff 522@269.00	9 blk bwfHolton 463@252.00
13 bwf rwfSmithville,MO570@264.00	8 blk bwfHolton 626@250.50
16 blk Mayetta 727@264.00	30 blk bwfHolton 710@250.25
31 mix Soldier 737@253.00	7 blk McLouth 603@248.00
66 blk bwfHolton 773@253.00	7 blk Bern 750@237.00
15 blk bwfHolton 803@245.50	49 blk char Hiawatha827@228.50
53 blk Netawaka916@241.75	10 blk hol x Leavenworth557@201.00

Dan Harris, Auctioneer & Owner • 785-364-7137
Danny Deters, Coming, Auct. & Field Rep • 785-336-1622
Dick Coppinger, Winchester, Field Rep. • 913-683-5485
Steve Aeschliman, Sabetha, Field Rep. • 785-284-2417
Larry Matzke, Wheaton, Field Rep. • 785-268-0225
Craig Wischropp, Horton, Field Rep. • 785-547-5419
Mark Servaes, Atchison, Field Rep. • 816-390-2549
Barn Phone • 785-364-4114
WEBSITE: www.holtonlivestock.com
EMAIL: dan@holtonlivestock.com

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LIVESTOCK AUCTION, INC.

316-320-3212
Fax: 316-320-7159
2595 SE Highway 54, P.O. Box 622,
El Dorado, KS 67042

Market Report - Sale Date 7-27-23. 2,637 head

300-400 lb. heifers, \$265-\$288; 400-500 lb. steers, \$270-\$295; heifers, \$240-\$261; 500-600 lb. steers, \$261-\$292.50; heifers, \$231-\$253; 600-700 lb. steers, \$257.50-\$274; heifers, \$236-\$248; 700-800 lb. steers, \$248-\$271; heifers, \$229-\$242; 800-900 lb. steers, \$235-\$247; heifers, \$222-\$231.50; 900-1,000 lb. steers, \$222-\$237.50. **Trend on Calves:** Steady to slightly higher on weaned calves, slightly lower on bawlers. **Trend on Feeder Cattle:** Steady-\$4 higher on both classes. **Butcher Cows:** High dressing cows \$108-\$126; Avg. dressing cows \$100-\$107; Low dressing cows \$75-\$90. **Butcher Bulls:** Avg. to high dressing bulls \$117-\$139.50. **Trend on Cows & Bulls:** Mostly \$3-\$4 higher.

Some Highlights Include:

HEIFERS	15 mix	509@292.50
4 blk	13 blk	549@278.50
8 blk	18 mix	603@274.00
18 blk	22 blk	663@263.00
25 mix	30 blk	719@268.00
64 blk	74 mostly blk	749@261.50
23 blk	53 mix	802@245.00
181 blk	64 mix	828@245.00
64 mix	120 blk	881@237.10
31 blk	5 red	915@237.50
40 mix	117 mix	952@234.00
STEERS	56 blk	979@231.50
2 blk	445@295.00	

Next Sale: Thursday, AUGUST 3, 11 AM

- 400 mixed heifers, off grass, 675-750lbs
- 800 mixed steers, off grass, 750-900lbs
- 50 black steers, off grass, 800-900lbs
- 350 mostly black steers, off grass, 875-925lbs

GO TO OUR WEBSITE FOR DAILY CONSIGNMENT UPDATES
WWW.ELDORADOLIVESTOCK.COM

We welcome your consignments!
If you have cattle to consign or would like additional information, please call the office at 316-320-3212

Check our website & Facebook for updated consignments: www.eldoradolivestock.com
To stay up to date on our latest announcements you can "Like" us on Facebook

Josh Mueller Owner/Barn Manager (316) 680-9680	Van Schmidt Auctioneer/Fieldman (620) 345-6879
Seth Greenwood Asst. Barn Manager/Fieldman (620) 583-3338	Charly Cummings Auctioneer/Fieldman (620) 496-7108
Kyle Criger Fieldman (620) 330-3300	Brandon Fredrick Fieldman (620) 204-0841

Cattle Sale Every Thursday 11:00 AM

Central Livestock
811 N. Main St.
South Hutchinson, KS

www.centrallivestockks.com

Clint and Dalli Turpin ~ Owners
Office: 620-662-3371

Hay Auction- Every Tuesday at 9:00 a.m.
Cattle Auction- Every Tuesday at 11:00 a.m.
Sheep/Goat Auction- Every 3rd Saturday at 11:00 a.m.
Horse/Tack Auction- Every 2nd Saturday

August 1st - NO Sale
August 8th - Special Calf & Yearling Sale
August 12th - Horse Sale
August 15th - NO Sale
ALL WEIGH COWS & BULLS SELL AT THE END

Using EPDs to make breeding decisions

By Lisa Moser, K-State Research and Extension news service

At the start of a new sports season, there are always people speculating about the team, and some of the serious fans may use statistics to make their predictions about

the individual athletes. In much the same way, beef cattle producers have data to help in their decision-making about herd matings, said the experts at the Kansas State University Beef Cattle Institute.

One of the data tools for making breeding decisions is Expected Progeny Differences, also known as EPDs, said K-State beef cattle geneticist Megan Rolf, speaking on a recent Cattle Chat podcast.

"EPDs are the differences we expect to see in the performance among

groups of progeny," Rolf said.

She gave the example of comparing a weaning weight EPD between two bulls of the same breed.

"If Bull A's weaning weight EPD is 50 and Bull B's weaning weight EPD is 70, then we would expect the calves of Bull B to be 20 pounds heavier at weaning, on average, if we bred them to the same cows," Rolf said.

While EPDs across the breeds are calculated similarly, the baseline of the calculation varies and so she advises that producers only compare EPDs between animals of the same breed.

"Factors that go into that calculation of the statistical model are phenotype information collected by breeders, the pedigree of the animal's sire and dam, and, in some cases, the animal's own

genomic data," Rolf said. Genomic data is collected through a hair or tissue sample of the animal on which the EPD is calculated.

Rolf added that if producers want to compare bulls of different breeds, one way to do so is to look at their rankings within their respective breeds.

"Comparing EPDs against percentile rankings in their breed is one way to broadly evaluate bulls," Rolf said.

When studying the animal's EPDs, it is also important to note the accuracy of that data point, Rolf said.

"Accuracy is a risk management tool because it gives producers an idea of how much data is in the EPD calculation and how much that number might change over time," Rolf said.

For heifer matings,

Rolf recommends producers use high-accuracy sires, especially related to calving ease. With cows, since they are less prone to calving difficulty, she said some producers may prefer to take more risks with a lower accuracy sire who is often younger or a natural service sire.

In commercial herds, oftentimes the cows do not have EPDs calculated for them so Rolf said she puts a lot of focus on the sire's EPDs.

"In commercial operations, you can put a lot of selection pressure on the sire to make changes within the herd, especially if replacement heifers are being retained from those matings," she said.

To hear the full discussion, listen to the Cattle Chat podcast online or through your preferred streaming platform.

Grass & Grain Weather Report Aug. 2, 2023

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook												
WEDNESDAY Partly Cloudy High: 101 Low: 75 THURSDAY Partly Cloudy High: 96 Low: 71 FRIDAY Mostly Cloudy High: 93 Low: 66 SATURDAY Cloudy High: 92 Low: 67 SUNDAY Cloudy High: 90 Low: 63 MONDAY Few Showers High: 93 Low: 68 TUESDAY Sunny High: 92 Low: 65	Today we will see partly cloudy skies, high of 101, humidity of 35%. South southeast wind 15 mph. The record high for today is 109° set in 2011. Expect partly cloudy skies tonight with a slight chance of showers and thunderstorms, overnight low of 75°.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>Washington 101/78</td> <td>Blue Rapids 97/73</td> <td>Seneca 94/72</td> </tr> <tr> <td>Clay Center 101/73</td> <td>Manhattan 101/75</td> <td>Wamego 100/75</td> </tr> <tr> <td>Ogden 102/75</td> <td>Junction City 102/75</td> <td></td> </tr> <tr> <td>Ablene 103/75</td> <td></td> <td>Council Grove 102/77</td> </tr> </table>	Washington 101/78	Blue Rapids 97/73	Seneca 94/72	Clay Center 101/73	Manhattan 101/75	Wamego 100/75	Ogden 102/75	Junction City 102/75		Ablene 103/75		Council Grove 102/77
Washington 101/78	Blue Rapids 97/73	Seneca 94/72												
Clay Center 101/73	Manhattan 101/75	Wamego 100/75												
Ogden 102/75	Junction City 102/75													
Ablene 103/75		Council Grove 102/77												

Last Week's Almanac			
Date	H/Lo	Normals	Precip
7/21	83/64	92/67	0.00"
7/22	92/60	92/67	0.00"
7/23	96/62	92/67	0.00"
7/24	96/77	92/67	0.00"
7/25	108/75	92/67	0.00"
7/26	107/81	92/67	0.00"
7/27	100/76	92/67	0.00"

This Week's Sun & Moon Chart			
Last	Day	Sunrise	Sunset
8/8	Wednesday	6:27 a.m.	8:37 p.m.
	Thursday	6:28 a.m.	8:26 p.m.
	Friday	6:29 a.m.	8:35 p.m.
	Saturday	6:30 a.m.	8:34 p.m.
	Sunday	6:31 a.m.	8:33 p.m.
	Monday	6:32 a.m.	8:31 p.m.
	Tuesday	6:33 a.m.	8:30 p.m.

Weather History			
Date	Degree Days	Date	Degree Days
7/21	23	7/25	41
7/22	26	7/26	44
7/23	29	7/27	38
7/24	36		

STATE FAIR GIVEAWAY

THREE EVENTS, THREE CONTESTS, THREE DIFFERENT WAYS TO WIN!

NEEDTOBREATHE

(4) Concert Tickets
Friday, September 8th
Deadline to enter: August 31st

Tag us in a photo of you reading Grass & Grain in your favorite spot, or a farm scene photo, **and like the Grass & Grain Facebook page** to be entered;

OR email the photo to gandgeditor@agpress.com

DEMOLITION DERBY

(4) Tickets
Monday, September 11th
Deadline to enter: August 31st

Email a photo of your old Farm Truck and any details you would like to include to gandgeditor@agpress.com to be entered.

Matthew West & Anne Wilson

(4) Concert Tickets
Wednesday, September 13th
Deadline to enter: August 31st

Like and Share the Grass & Grain Farm Show Facebook page to be entered.

No purchase necessary. All drawings will be random. Photos submitted may be used in the print and online editions of Grass & Grain, or on the G&G Facebook and Instagram pages.

Nearly 1700 acres m/l of Sumner County farmland up for auction August 15th

Peoples Company, a full-service land transaction and management business licensed in all major agricultural regions in the U.S., have announced the auction of The Withers Farms located in Sumner County, just 5 minutes from Wellington, Kansas, and 40 minutes to Wichita. Collectively, the 10 tracts going to auction represent 1,684 acres m/l.

The auction will take place Tuesday, August 15, 2023, at 10 a.m. local time at the Raymond Frye Complex, 320 North Jefferson Avenue, Wellington, Kansas. The farms will be offered in 10 tracts ranging from 142.7 acres to 271.7 acres m/l via the

multi-parcel auction format where tracts can be purchased individually or in any combination.

"A highly productive farm with excellent access to Interstate 35 and U.S. Highway 81 and minutes from Wellington, the Withers Farm represents an outstanding opportunity for local farmers to expand their operation, or for an investor to purchase quality farmland," said Peoples Company President Steve Bruere. "Due to the highly productive soils and above average annual rainfall of almost 35 inches, this nearly 100% tillable dryland farm has a longer growing season that can support a diverse set

of crops including cotton, corn, soybeans, wheat, and milo."

The property consists of approximately 1,598.21 FSA cropland acres of which approximately 1,560.42 acres are currently farmed. Primary soil types include the highly productive Kirkland silt loam, Tabler silty clay loam, and Bethany silt loam. The balance of the acreage consists of pasture, grass waterways, mature timber, and Slate Creek.

The tracts will be sold "absolute" to the highest bidder. For more information on The Withers Farms land tracts, please visit www.WithersFarm.com.

BROWN REAL ESTATE & PERSONAL PROPERTY AUCTION

SATURDAY, AUGUST 12, 2023 * 9:30 AM
LOCATION: 20510 S. Fairview Rd., ARLINGTON, KANSAS 67514

VEHICLE, ATV & TRACTORS: 2011 Chevrolet w/183k miles, Gas, 4WD, has Cannonball Bale Bed; Agco Allis 8765 Diesel Tractor w/Quicker 340 Loader and 2024 Hrs, MFWD; Heavy Duty Bale Spear; Tractor Weights; Ford 3400 Tractor w/Ford 335 Loader; Honda ATV 4 Wheeler; Marty J Mower.

GRAIN BINS: 2-1500 Bu. Grain Bins; 1-1200 Bu Grain Bin; Bin Augers; all in good condition.

FARM & RANCH SUPPLIES: Cattle Working Squeeze Chute; Round Bale Feeders; CP 60 Gal. Vertical Air Compressor; Work Bench; Craftsman Table Saw; Craftsman Tool Chest; Open and Boxend Wrenches; Socket Sets; Grinders; Torque Wrenches; Hammers; Electric Cords; Wooden Ladders; Bicycles; Galvanized Buckets; Battery Chargers; Shop Fans; Lumber Cart; Cylinders; Wheelbarrow; CP Drill Press; Cutting Torch; Propane Bottles; Sump Pump; Steel Bolt Bins; Electrical and Plumbing Supplies; Picks; Shovels; Axes; Rakes; Forks; Pole Saw; Breaker Bars; Alum Ramps; Wooden Cabinets; Log Chains; Bench Vice and Grinders; Tin Snips; Wooden and Steel Pullies; Car Jack; Barrel Pumps; Wall Drill Press; Lincoln Welder and Rods; Handyman and Hyd Jacks; Screw Jacks; Metal Gas Cans; Oil Cans; Jumper Cables; Corrugated Metal; Fencing Supplies; Hand Saw; 2 Man Saw; Buck Saw; Implement, ATV and Vehicle Tires; Fuel Tanks; Lubes and Oils; Electric Motors; Funnels; 100 Gal Water Totes; Lots of Steel Pipe and Tubing; Scrap Metal; Electrical Wiring; *plus much more.*

HOUSEHOLD & COLLECTIBLES: Centennial Washer and Dryer; Whirlpool Refrigerator; Galaxy Chest Freezer; Gott Coolers; Storage Cabinets; LG Flatscreen TV; Sofa; Kitchen Table; Misc. Chairs; Glider Rocker; Coffee Table; Lamps; Recliner; Piano; Clocks; Cedar Chest; 2 Bedroom Suites; Dressers; Chest of Drawers; Night Stand; Knee Hole Desk; Hall Tree; Hose Fans; Buffet; Lots of Books; Book Shelf; World Globe; Clothes Trunk; Metal Lawn Chairs and Glider; Picnic Tables; Lawn Chairs; Kids 4 Wheelers and Gators; Lawn Wagon; Strollers; Water Hoses; Wash Tubs and Vat; Cream Cans; Pet Carriers; *plus more.*

NOTE: Everything sells from wall to wall as they have relocated and downsized. Real estate sells at 12 Noon, go to riginhomes.com for more information on the "All Country 12 Acres."

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Sell At St. Marys

Sell Or Buy Cattle By Auction STARTING TIME 10:30 AM Tuesdays

We sold 784 cattle July 25 with very hot weather. Steer & heifer calves were in good demand at steady to higher prices. Feeder steers and heifers sold steady to \$4.00 higher. Cows and bulls were steady.

1 blk cow	1580 @ 118.00	1 sim cow	1135 @ 99.50
1 blk cow	1405 @ 113.00	1 blk cow	1115 @ 99.00
1 blk cow	1275 @ 110.00	1 blk cow	1360 @ 98.00
1 blk cow	1370 @ 106.00	1 bwf cow	1150 @ 97.00
1 blk cow	1415 @ 105.00	1 blk cow	1330 @ 95.00
1 blk cow	1395 @ 104.00	1 blk cow	1140 @ 94.00
1 red cow	1095 @ 102.00	1 blk cow	1470 @ 93.00
1 blk cow	1200 @ 100.00		

CONSIGNMENTS FOR TUESDAY, AUG. 8, 2023:

- 250 blk steers, 775-825 lbs., off grass
- 250 blk char red strs, 850-875 lbs., off grass
- 60 blk steers, 900-925 lbs., off grass
- 70 Hereford steers, 775-825 lbs., off grass
- 125 blk red steers, 775-825 lbs., off grass

CONSIGNMENTS FOR TUESDAY, AUG. 15, 2023:

- 600 blk char red strs, 875-950 lbs., off grass

WATCH OUR AUCTIONS
LIVE ON DVAuctions.com

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:

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

LELAND BAILEY TOPEKA, 785-215-1002
 LYNN REZAC ST. MARYS, 785-456-4943
 REX ARB MELVERN, 785-224-6765

Rezac

St. Marys, Ks.

Livestock Commission Company, Inc.

Toll Free Number.....1-800-531-1676

Website: www.rezaclivestock.com

AUCTIONEERS: DENNIS REZAC, REX ARB & JASE HUBERT