K-State distributes 15,000 pounds of fresh Kansas flour

By Pat Melgares Kansas State University officials handed out 15.000 pounds of flour on Thursday during a drive-through event held at the recently re-opened Hal Ross Flour Mill, north of campus.

Gordon Smith, head of the Department of Grain Sciences and Industry, said the event was held to help people who may be struggling to obtain basic food supplies.

Shortly after the event began, a line of cars stretched about 300 yards from the flour mill to Manhattan's Kimball Avenue. By the time it finished just before 7 p.m., Smith estimated that 1500 cars came through the impromptu drive-through, each receiving a ten-pound bag of freshly-milled, Kansas flour.

"We knew nothing about how this was going to go," said Smith, noting this is the first time the Department of Grain Sciences and Industry has conducted a free distribution of flour.

About 20 volunteers including K-State police officers, faculty and staff; employees from the Kansas Wheat Commission and the Kansas Association of Wheat Growers; and Kansas Secretary of Agriculture Mike Beam and others from that agency helped to guide the cars along the drive-through



Volunteers distributed 1,500 bags of flour, milled at the Hal Ross Flour Mill on the K-State campus, on Thursday, June 18. The Department of Grain Science and Industry sponsored the event along with the Kansas Wheat Commission and Kansas Association of Wheat Growers. Courtesy photo

distribution, all wearing masks and observing social distancing while loading the flour into cars.

Based on the number of bags distributed, they were handing out just over six bags per minute - or one every ten seconds - for four hours.

While the global pandemic limited most operations on the K-State campus, the Hal Ross Flour Mill was getting needed updates and repairs. On re-opening the mill, several faculty members and Smith had an idea to help fill the void of short flour

supplies in local grocery stores.

Working in partnership with the Kansas Wheat Commission and the Kansas Association of Wheat Growers - groups supported by Kansas wheat farmers - the university milled 20,000 pounds of wheat, a process that took about ten hours.

From that, they yielded 15,000 pounds of flour, or 1,500 ten-pound bags. Smith said the volunteers gave away the last bag of flour at 6:45 p.m. Thursday - just 15 minutes short of their planned ending.

"We had a guy come by who is in the army and he tells us, 'I think of this like military service... it's pure service to the community," Smith said. "That was really nice to hear."

K-State's Department of Grain Sciences and Industry offers the world's only bachelor's degrees in milling, bakery and feed science and management. For more information on those and other programs, visit https://www.grains.kstate.edu.

Tell them you saw it in Grass & Grain!

Plant expert cautions against over-fertilizing tomatoes

With each passing day, Ward Upham knows that many Kansas gardeners are building anticipation for one of the most exciting times of summer: tomato harvest

But first, he says, there's a little more work to do.

"In order to yield well, tomatoes need to be sidedressed with a nitrogen fertilizer three times during the season," said Upham, a horticulture specialist with K-State Research and Extension.

'The first side-dressing should go down one to two weeks before the first tomato ripens," he added. For those who may have planted early and are hoping for tomatoes on the Fourth of July, that is coming quickly.

The most common nitrogen-only fertilizers for tomatoes include nitrate of soda, urea, ammonium sulfate and blood meal. Upham suggests the following rates for each fertilizer:

Nitrate of soda (16-0-0). Apply 2/3 pounds (or 1 1/2 cups) fertilizer per 30 feet of row.

Urea (46-0-0). Apply four ounces (1/2 cup) fertilizer per 30 feet of row.

Ammonium sulfate (21-0-0). Apply one-half pound (1 cup) fertilizer per 30 feet of row.

Blood meal (12-1.5-6). Apply 14 ounces (1.75 cups) fertilizer per 30 feet of row.

The second side-dressing should be applied two weeks after the first tomato ripens, and the third should be one month after the second side-dressing, Upham said.

"If you can't find the recommended nitrogen-only fertilizers, you can use a lawn fertilizer that is about 30 percent nitrogen (the first number of the three) and apply it at a rate of one-third pound (3/4 cup) per 30 feet of row," Upham said. "Do not use a fertilizer that contains a weed killer or weed preventer."

New potatoes

Many gardeners also are gearing up to bring in the year's first harvest of new potatoes.

"New potatoes are immature and should be about the size of walnuts right now," Upham said. "To check if they're ready, pull soil away from the base of the plants to see if the tubers are the desired size. If they are, dig entire plants and allow the skins of the exposed tubers to dry for several hours before gathering."

Upham said the young potatoes are very tender and prone to the skin 'slipping' if they are not allowed to dry.

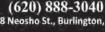
"Even then," he said, "these immature potatoes will not store well. Red-skinned varieties are often preferred because they are the earliest to produce."

Upham and his colleagues in K-State's Department of Horticulture and Natural Resources produce a weekly Horticulture Newsletter with tips for keeping yards and gardens healthy and beautiful year-round. The newsletter is available to view online or can be delivered by email each week.

Interested persons can also send their yard and garden-related questions to Upham at wupham@ksu.edu



UPCOMING LAND AUCTIONS!



Page 13

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to WWW.Qrassandgrain.com & logging onto the online subscription

THERE WAS NO SALE H DAY. JUNE

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SUMMER SALE SCHEDULE

July 3, 2020 - NO SALE

July 10, 2020 - BACK TO REGULAR SCHEDULE







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Grass & Grain, June 23, 2020

Kansas Hay Market Report

Hay market trade slow and demand light, on limited test last week. Most producers are wrapping up first cutting alfalfa that proved to be 20%-50% lighter than last year. Brome hay is beginning to get swathed and baled, with mixed results. Many are reporting that some fields look great while other are sparse. The "hot" button issue on everyone's mind is the hot, dry, windy weather. Worsening drought conditions are beginning to spread east across the state and a long cool drink would be most welcome for all. According to the U.S. Drought Monitor, Despite recent hot and dry conditions, abnormal dryness (D0) increased to 30 pct, moderate drought (D1) increased to 18 pct, severe drought (D2) increased to 10.5 pct and extreme drought (D3) increased to 3 pct. If you have any extra hay to sell and/or need hay here in Kansas, use the services of the Internet Hay Exchange: www.hayexchange.com/ks.php.

Southwest Kansas

Dairy alfalfa, grinding alfalfa, ground and delivered steady; movement slow. Alfalfa: horse, premium small squares 230.00-240.00. Dairy 1.00/point RFV. Supreme 185.00-226.00, Premium 170.00-195.00, Good 150.00-170.00. Stock or Dry Cow 160.00-165.00. Old crop, Fair/Good grinding alfalfa, 110.00-125.00; new crop grinding alfalfa 115.00-125.00 delivered, with an instance of new crop grinder hay in the bale at 120.00 at the edge. Old crop, ground and delivered locally to feed lots and dairies, 145.00-155.00; new crop ground and delivered 140.00-155.00. Grass Hay: Bluestem, good small squares none reported, large squares 100.00-110.00. Sudan: large rounds 60.00-70.00. Corn stalks ground and delivered, 65.00-75.00. Wheat straw: none reported. The week of 6/07-6/13, 7,050T

of grinding alfalfa and 1,109T of dairy alfalfa was report ed bought/sold. The average paid by feedlots on June 1 for alfalfa ground and delivered was 155.91, up 2.79 from the previous month, usage was 630T/day, up 14% and total usage was 19,542T.

South Central Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, alfalfa pellets, steady; movement slow. Alfalfa: horse, small squares 255.00-275.00. Dairy, 1.00/point RFV, Supreme 185.00-225.00, Premium 170.00-195.00, Good 150.00-178.00. Stock cow, 140.00-150.00. Old crop, fair/Good grinding alfalfa, 85.00-100.00; New crop fair/good grinding alfalfa 100.00-110.00 delivered. Old crop, ground and delivered locally to feedlots 140.00-150.00; new crop ground and delivered 130.00-145.00. Alfalfa pellets: Sun cured 15 pct protein 185.00-195.00 with an instance at 200.00, 17 pct protein 195.00-210.00, Dehydrated 17 pct 300.00-310.00. Grass Hay: Bluestem, none reported. Sudan: large rounds 55.00-65.00. Wheat Straw: none reported. The week of 6/07-6/13, 5,132T of grinding alfalfa and 500T of dairy alfalfa was reported bought/sold. The average paid by feedlots on June 1 for alfalfa ground and delivered was 131.03, up 7.01 from the previous month, usage was 281T/day, up 8% and total usage was 8,696T.

Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady; movement slow. Alfalfa: horse or goat, 230.00-240.00. Dairy 1.00/point RFV. Stock cow 140.00-150.00. Fair/Good grinding alfalfa, 115.00-125.00. Ground and delivered, none reported; Grass hay: Bluestem, small squares 125.00-135.00, good, mid squares 105.00-120.00, large squares, 90.00-110.00, large rounds 60.00-65.00. Brome, good, small squares 125.00-150.00, mid to large squares 100.00-110.00, large rounds 70.00-80.00. Wheat Straw: mid and large squares 60.00-70.00, large rounds 55.00-65.00. The week of 6/07-6/13, 989T of grass hay was reported bought/sold.

Northwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: Horse or goat, 205.00-215.00. Dairy, Premium/Supreme 1.00/point RFV. Stock cow, fair/good none reported. Fair/good grinding alfalfa, 95.00-105.00. Ground and delivered locally to feedlots and dairies, 125.00-135.00. Sudan, large rounds 55.00-65.00.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady; movement slow. Alfalfa: horse, premium small squares none reported. Old crop dairy 1.00/point RFV, Supreme 185.00-225.00, Premium 170.00-195.00, Good 150.00-170.00. New crop dairy 1.00-1.05/pt. Stock Cow, none reported. Fair/good, grinding alfalfa, 100.00-110.00. Ground and delivered 120.00-130.00. Grass hay: Bluestem, small squares 6.00-7.00/bale, mid to large squares 80.00-90.00, large rounds 55.00-65.00. Brome, small squares none reported, large squares 90.00-100.00, large rounds 55.00-65.00; Sudan, large rounds 55.00-65.00. Wheat Straw: small squares 5.00-6.00/bale delivered, large squares 70.00-80.00, large rounds 55.00-65.00. The week of 6/07-6/13, 782T of grinding alfalfa and 900T of dairy alfalfa was reported bought/sold.

***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. Posted to the Internet. www.ams.usda.gov/mnreports/DC_GR310.txt

Get your stockers prepared for turnout

By Shelia Grobosky. BioZyme Inc.

Stocker calves can be a good investment and are a great source of converting available forage into

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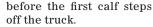
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protein. However, those producers who plan to manage stockers need to be prepared with good health, nutrition and vaccination protocols in place



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There are two critical time periods for the stocker calf when it comes to its health, nutrition and, ultimately, performance. The first is the stress period or the first few days after the calves have arrived at their new destination. The second is the longer period of time when they have moved to grass and are grazing before heading to the next production phase - the feedyard.

According to Kevin Glaubius, senior manager of formulation at BioZyme Inc., it is vital to have a good working relationship established with your veterinarian to have nutrition and health plans in place.

Whatever we can do that first week to improve that animal's experience will result in fewer treatments and fewer pulls, he savs. Calves need a vaccination program to help them build immunity to



help fight sickness when they are out on grass, ensuring they stay healthy and perform their best.

The distance traveled and the stress level of the calves when they arrive at their destination will determine if you should treat them immediately with vaccinations as they unload the trailer, or if you should allow them to rest and hydrate for 12-24 hours first. Regardless, you will want to welcome them to their receiving pen with a few essentials: fresh, clean water: long-stemmed hav in bunks low enough for young calves to reach into and eat out of: and mineral stress tubs placed around the perimeter of the pen.

Whether you give your vaccinations on arrival or wait until the next day when the cattle have had time to rest from their travels, it is important to have a good vaccination program in place and work with your veterinarian to know which shots to give. When you do give vaccinations and dewormer, Glaubius suggests giving each calf a dose of digestive drench to jumpstart the digestive system during stress. Drench does not interfere with antibiotics. The drench works with the stress tubs to help ensure the cattle are getting the most nutritional benefit from their feed, and en't coming to bunk every day. You might still have calves skipping meals 20 to 21 days in Stress tubs help stimulate their intake so you can get them out to grass quicker," Glaubius says.

The best way to get the calves accustomed to the bunk is to feed them longstem hay from the bunk in their receiving pen the first few days. Glaubius suggests that, like people, cattle are creatures of habit, and so he would go to the extra effort to put the hav in their bunk first and top it with a mixed ration - not silage, because that has a strong and bitter smell and taste. Once the calves are trained to come to and eat from the bunk, they will start chewing their cud, which helps digestion. Also, while they are at the bunk, it is simple to look for alert ears, runny noses or rears, or any calf that doesn't readily go to the bunk at feeding time.

A good mineral program works hand-in-hand with a good health program, and making sure your calves are off to a good start from the beginning is the most important cost-saving advice. Glaubius reminds backgrounders that the labor in treating one or two sick calves out on pasture is often more intensified and expensive than the treatment, so making sure everything is healthy before turning them out is important. Once the calves are

bunk-trained and signs of sickness are absent, usually two to three weeks, they are likely ready to go to grass, the second period of the stocker phase. Once they are on grass, it is important to still provide them continual, fresh water and a high-quality mineral. You can also continue to use the stress tubs for an added insurance policy.

"A mineral program while calves are feeding in the bunk as well as out on grass will help meet their daily needs, while combining that with stress tubs will help with overall intake, digestion and absorption," Glaubius says.

Glaubius said once the calves are turned out on grass, have a good mineral program, and plenty of fresh water, they should continue to grow and gain without challenges. Grass tetany typically is not prevalent in younger calves; however, bloat can happen with a sudden change in the diet.

"You can have the best plan out there, and you can have disruptions," Glaubius says.

Getting stockers turned out is a simple process if you plan ahead. Work with vour veterinarian to have health and nutrition protocols in place. Be sure to have plenty of longstemmed hay and fresh, clean water sources available upon receiving, and know how to treat for any sickness that does show up.

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Grass & Grain, June 23, 2020 Page 15 Elevate your game at the 2020 Angus Convention

A city known for historic cattle, rail trails, the American Royal, worldclass barbecue, and most recently, the reigning Super Bowl Champions, the American Angus Association® is excited to announce that Kansas City will host the 2020 Angus Convention this fall. The Association invites the cattle industry to "Elevate Your Game" at the 2020 Angus Convention, Nov. 6-9 at the Kansas City Convention Center.

The weekend-long event serves as a meeting point for all quality-minded cattle producers from every sector of the cattle supply chain. With a focused lineup of educational sessions, an expansive trade show and worldclass food and entertainment, there is truly something for everyone.

"The Show-Me State is honored to host this spectacular event," said Jim Brinkley, American Angus Association Board Member of Milan, Missouri. "It will be a great gathering of Angus and beef industry enthusiasts as we learn, network and conduct the business of the Association."

Before the official start of the convention on Friday, Nov. 6, the Missouri Angus Association will host the National Angus Tour where participants will spend a day exploring the area's Angus operations and related sites. Attendees will see how beef-producing families have adopted new and creative ways to stay viable, while bringing the next generation of cattlemen into the operation. The tour includes three unique destinations. Valley Oaks Angus built the 999-head "under roof" feedlot in 2016 to assist in the delivery of locally grown beef to the Kansas City Metro Area. The low stress, high-efficiency system bridges their agribusiness enterprises. The second stop is at Mershon Farms, LLC in Buckner, Missouri. Established in

1865, Mershon Farms, LLC is a diversified crop and livestock farm that utilizes proven carcass genetics and retained ownership, from birth through harvest. Mershon Farms LLC was recognized as the 2019 BIF Commercial Producer of the Year and is a previous Missouri Angus Association Commercial Producer of the Year recipient.

Lunch will be served at the nearby historic Lone Summit Ranch. Established in the early 1900s and once a premier purebred cattle operation, it is now fully restored and a popular meeting and wedding venue.

"Missouri has a strong history of outstanding Angus and commercial breeders," Brinkley said. "We're excited to showcase these progressive and innovative operations."

The tour is always a crowd favorite at the Angus Convention. Tour registration opens with Angus Convention registration on July 1. Sign up early because spots are limited.

The convention officiallv kicks off on Saturday with a speaker who has elevated his game in numerous arenas. Jordy Nelson. Super Bowl champion, former Green Bay Packer, Angus cattleman, Kansas State University alumni and Kansas rancher, will bring his unique perspective on taking success to the next level when he addresses attendees during the Opening General Session.

During the Angus Convention, guests will hear

from speakers that inspire forward thinking and vision for the future of the quality beef business through Angus University. In the multiple workshop sessions, practical applications are shared on topics ranging from cattle health and management and commercial programs and marketing, to understanding genomics and evolving technology.

The Angus Genomics Symposium, sponsored by NEOGEN Genomics, features presenters, academic professionals and industry leaders who will explore how producers can apply new ideas to their home operations. The Angus University workshop sessions sponsored by Zoetis will keep the pace and empower breeders to think outside the box.

"In today's ever-changing environment, education has never been more important for producers," said Brinkley. "We are at a pivotal point in our industry where knowledge is power, and every advantage is vital to our continued success."

The Angus Convention trade show highlights a specific group of progressive cattlemen and women focused on improving and sustaining the beef industry. Guests are welcomed by allied industry partners, fellow Angus breeders and others with product offerings to benefit today's cattle producer on the trade show floor. The Learning Lounge reaches even more producers, right in the epicenter of the convention. Four incredible grand prize give-

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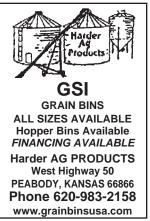
for anyone with an interest in the beef industry," Brinkley said. "Kansas City is centrally located with easy access by the interstate, air and train."

Angus breeders receive exclusive booth discounts. and those interested in reserving space can visit the trade show section of the website.

Registration and hotel reservations open July 1, and more information will be available online at www.angusconvention. com.

> **Annual Convention of** Delegates

An important part of the Angus Convention each year is conducting business on behalf of the nearly 25,000-member organization. This year marks the 137th Annual Convention of Delegates for the American Angus Association, where repre-



sentatives from each state will elect new members and officers to the Board of Directors and look to the future for the Angus breed.

Plans are alreadv under way for the Annual Meeting, and the first step is nominating Angus leaders to serve as voting delegates for their respective state or district.

Each eligible voting member of the American Angus Association was mailed a nomination form and asked to select one member who would be a successful delegate at the national meeting. Signed nomination forms must be received at the Association office no later than

4:30 p.m. CDT on Friday, June 12.

Please reference mailed documents for complete details or visit www.angus.org for more information on the delegate nomination process.



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Flime < AUCTION Hills Saturday, June 27 9:30 am AUCTION Bluestem Hall 646 Road 180, Emporia, KS Estates of Carol & the late Art Gurney & Glenn & Dorothy Boyce COLLECTIBLES/ANTIQUES: Large coll of Ford model pickups miob; Ford metal signs; Car clock & truck afghan; Knife & Tomahawk peace pipe collections; Quilts; Spinning wheel; Pie cupboard; Cereal pins; Marlow woodcuts; Adv thermometers; Coleman coolers; Glassware: Jadeite, Depression & Roseville. TOOLS/OUTDOOR: Tool boxes; Air compressor; Drills; Stihl band saw; Lots of power & hand tools; Dollies; Grills; Wood table & benches; Patio furniture; 86 gal pressure tank; Lots of yard art, lawn & garden tools. FURNITURE/HOUSEHOLD: Bedroom, office, living & dining room furniture; Kitchen Craft stainless waterless cookware; Borge mixer & grain mill; Washers; Dryers; Freezers; More kitchen & cookware; Area & Aztec rugs. MISC: Pool/Ping pong table; Baby furniture; Toys; Wheel chairs; Seated walker; Canners & jars; Exercise bikes; Signed pictures; Various holiday décor. **MUCH MORE!**

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EARLY CONSIGNMENTS FOR JULY 8

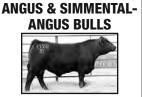
 60 mostly blk strs Off Brome 900-925# • 7 Red WF hfrs Open, OCV, Poured,

• 10 mostly blk hfrs Home Raised, Long Wean, Shots 800-900#

58 mostly blk strs 1025-1050#



Page 16 Grass &	Grain, June 23, 2020							
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CLASSIFIED AD D	EADLINE IS 10:00 A.M.	FRIDAY	RATES AND DISCOUNTS	s CL	ASSIFICATIONS			
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& GRAIN	<u>MAIL TO:</u> AG <u>FAX:</u> 785-5		09, Manhattan, Ka ILINE: www.grassand		DI/COVER			
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ANGUS & SIMMENTAL	785-227-5414	Disposition	Oleen Cattle Co.	ANGUS BULLS	TRAILER			



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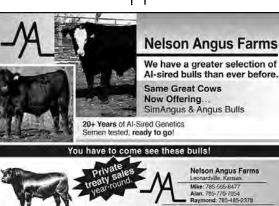
BJ Angus Genetics John or Bonnie Slocombe 785-532-9777

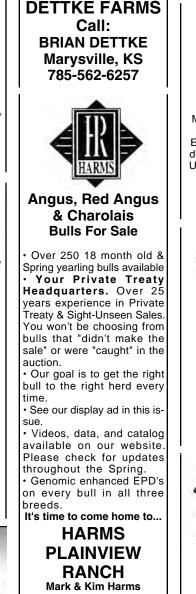


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Grass & Grain, June 23, 2020

TRAILERS





MACHINERY

Page 17

HANCOCK PADDLE scraper 4 yards, very good shape Make offer/trade for same value. Sloan, Iowa 712 203-

JD 8-ROW REAR MOUNT row crop cultivator, rolling fenders excellent. 12-wheel rake, hyd fold (non-3pt. style), good condition. 316-799-2510.

MF 850, 2415 HOURS, very good front tires, hydrostat \$4500. 620-694-9800.



VR1224 12 Wheel Rake VR1428 14 Wheel Rake BPX9010 Bale Processor 4' & 5' Net Wrap & Twine Used Equipment 6640 Rancher Baler 504M Baler 605 Super M Baler New in 2020

Wrapping Wertzberger Ranch Equipment LLC

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NEW USED Balers: 6- 605SM, 5- 605N, 2- 605SM corn stalk, 1-504N, 4- 605M, 1- 604M, 1-504SI, 1- 6650 Rancher, 1-6650 Rancher. Rakes: 1-R2800, 2- R2300, 1- VR1224 LARGER BALE FORKS SPRING STEEL AVAIL.

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Oxygen C125 & acet. Bottles Welding rods & wire

Top & bottom belts for all bal-

Twine 4' & 5' netwrap Portable panels, Feed Bunks & Round Bale Feeders

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NEW TRACTORS Kubota M7-152 PS. MFD. ldr. Kubota M6-111 MFD w/ ldr. Kubota M5-111 MFD w/ ldr. **USED TRACTORS** 2006 Kubota M7040 HDC 2007 Kubota L4400 HST 4wd 2002 JD 4310, 4WD, 72" mid USED CONSTRUCTION 2018 Kubota SVL75-2WC, track ldr. AC. 58 hrs. 2019 Kubota SVL95-2S, track ldr, AC, 148 hrs, demo unit.

2011 Kubota U35 Excavator MISCELLANEOUS



785-823-3821. SALVAGE COMBINES ALLIS N7-6, L2, L, M, G, F2, F, CII, AII; JD 8820, 7720 7700, 6600, 4400, 3300, 105, 95, 55; MF 860, 760, 750 510, 410; IH 1680, 1480, 1460, 915, 815, 715, 503 403; NH TR70-85, 1400, 995 SALVAGE TRACTORS ALLIS 7000-7080, 220, 210 190XT; D17-19; JD 84-8630 7520, 6030, 5020, 4630 4430, 4020, 3020, 720, 730 CASE 1470, 1370, 1270 1200, 1070, 930, 400; IH 1568, 1466, 1256, 1066

9000; MF 2745, 1155, 1100 90, 85; OLIVER 2150; MM G1000; WH2-150, 4-150. **Mike's Equipment**

Page 18

466-6019.

985.975

BUHLER, KANSAS 1-800-543-2535

TRACTORS/SKID LDRS 1973 IH 966

2014 JCB205 skid loader 2004 JD 240 series II skid ldr., ROPS, 700 hrs. Allis Chalmers TL12 pay

loader New Case IH P85 power

unit

HAY EQUIPMENT

New H&S 5116 16 wheel High Cap rakes Vermeer 605 N rd. baler

w/net 1996 Vermeer R23, twin rake

MISCELLANEOUS

Hesston 2240 21ft field cultivator

Gnuse L90 3pt. rear scoop Vermeer BPX 9010 bale processor

New Holland 166 winrow inverter

1990 Case IH 1083 cornhead

andoll 7530-29' VT Plus New Wemhoff 10' & 12' Box Scraper

- ITEMS FOR SALE -2006 MF 6495 tractor 3,300 hrs.....\$69,000 2017 CIH 310 Magnum tractor 5102 hrs.....\$85,000 JD 4240 tractor\$14.500 JD 4020 tractor propane. CALL 2016 JD 6145 M tractor 2,078 hrs.....\$71.000 JD 4320 tractor w/ldr...... CALL IH 986 tractor\$8,500 2011 Case SV300 skid steerCALL JD 444 cornhead CALL JD 608C cornhead......\$21,000 JD 893 cornhead \$13,000 2005 CIH 2412 Cornhead

DRILLS.....IN STOCK JD 1890 Air Drill \$52,000)8 White 8800 pl

ket finisher. Stk#6926New - In Stock 2019 Grouser AG 240i Dozer Blade. 4-way blade w/ Box End Plate Kit. Incl. FH-400 NH/Buhler Versatile Gene sis Mount. Only used partial season, pushed around 3,500 tons. Stk#7612\$24,900 2015 MF 1734E, approx. 200 hrs.,4WD, 9x3 trans., w/ Grill Guard, eng. block heater, R1 Ag Tires Front 7-16 / Rear 11.2x24. Stk#3588\$12,900 Woods PHD65 post hole digger w/o bits. Includes 9" HD double flight auger (\$200 individu ally). Stk#7447\$900 2002 Hesston 845 round baler, twine tie, wide pickup, Hyd. kicker, stk#7443. Promotional Financing\$6,900 2008 MF ZT29 Zero Turn, verv clean, 60" Hyd. lift deck, 425 eng. hrs., 3 cyl. diesel, buil in deck lift jack for changing blades. Stk#1635 consigned. Reduced \$6,850 2008 Gravely 152Z Zero turn lawnmower Kohler 23Hp, 52" deck kept inside 425 hrs. stk#5767.....\$4,400 NH 616 rotary disc mower, very clean, kept serviced, 7'-8' swath. Stk#5301 consigned.\$5,900 1983 JD 530 round baler w/ JD Bale-Trak monitor. Stk#7287 Promotional Financing...\$4,800 2011 MF 8200-25 flex head, new SCH sickle, guards good, kept shedded. Stk#1943 Set up for Gleaner, can fit MF

'08 Case IH RB564 rd. baler '02 NH 1475 MOCO 14'

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Requirements: High School diploma or equivalent required graduation from a vocational school desired. One to three years of similar or related experience preferred. Combination of training and experience

that provides the required knowledge, ability, and skill

Special Requirements: Must have (or be able to obtain within 60 days of employment), and maintain a valid Class A Commercial Driver's License (CDL); must have and maintain a clean driving record. Closing Date: Open until filled

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\$16,500
CIH 3408 cornhead 8R30, 2 in
stockCALL
2002 CIH 1020 flexhead air reel
\$8,000
JD 925 flexhead \$6,000
1990 JD 912 pickup head
\$5,250
CIH 1015 pick-up head.\$4,500
Brent grain cart 1084
Avalanche 1000 bu \$18,000
E-Z trail 475 grain cart \$4,500
Kuhn 5156 mixer\$18,000
Patz V420 LP vert. mixer
\$14,000 Roto Mix VXT 535\$13,000
JD 716A silage wagon\$7,000
JD 716A sliage wagon\$7,000
2013 Case WD2303 Moco
Swather rotary head 16' 1400
hrsCOMING IN
H&S HDX14 hayrake\$11,000
Rowe WR14 hayrake\$14,500
2014 New Holland 560 round
baler\$22,000
New Holland 855 round baler
\$700
2013 Farm King rake 18 wheel
\$9,500
Enorossi Teddar Rake RR350
EVO\$2,500
Vermeer R23A rake \$6,500
New Idea 353 manure
spreader\$7,000
New Holland 195 manure
spreaderCALL
JD 637 Wheatland disc 32'
\$16,500
JD 630 disc 30'\$7,500
2000 JD 637 disc 25' \$15,000
JD 400 rotary hoe 15' \$900
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Sunflower 7212 rolling harrow.
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16R30\$50,000
GP Planter YP625-12TR split
row\$8,000
JD 7300 planter 8R36-38-40
\$6,000
JD 1700 planter 6R36-38-40
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2003 White 8100 planter 8x30
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Kinze planter 8R36 \$4,500
KMC Cultivator 4 row \$750
Landpride RCR3515 mower
\$8,500
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duty box scraper \$2,750
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high speed transport, very clean well maintained shedded machine, system 150 auto guide MF 9195 rotary disc razor bar head, 16' wide ... Stk#7440/8094\$87,500 trimble 750 auto guide, receiver, monitor, steering wheel & harnesses etc.\$5,000 JCB bucket for JCB Telehandler 1987 6' wide model #500 series, Ser#547 36600 0.9M(3)\$2,500 2013 White 8222 No-Till planter. 12 row 30" flex frame fold. liquid fert., 3 BU hoppers, SM400SE monitor, Pneumatic down pressure, point row shut-off 6 rows. Stk#1100\$38,900 1976 JD 336 small square baler, twine tie, clean, sitting in shed since 2004. Selling for an Estate. Stk#7976 consigned\$4,400 2017 MF 2270XD 31.500 bales single axle, solid Windguard w/ roller, moisture sensor kit, roller bale chute with bale weight scales, C1000 monitor. Stk#5128. Promotional Financing\$89,900 999 JD 6410 cab PFA tractor, 4,090 hrs., 12F/4R trans., 4 remote valves, Bush Hog M646 ldr. w/bale spear & bucket w/

2014 MF 1745 round baler

gathering wheels, electric

tie, bale ramp, 14lx16.1 tires,

starting roll scraper updgrade.

Stk#7442\$13,900

2014 MF 2946 1,600 bales, auto

mesh & twine, C1000 monitor,

21.5I -16.1 tires with suspen-

sion axle, bale ramp, fire extin-

guisher. Stk#5950......\$27,900

2013 MF WR9770/9195, 1,355

eng. hrs, wide susp., cab w/

grapple. Grapple cylinders are broken, ldr. joystick needs attention. Stk#5171 consigned..\$38,500 1980 JD 2440 w/JD 145 ldr., 1 rear remote, 6,562 hrs., selling for an estate. Stk#3765 consigned.....\$8,900 2014 MF 5611 w/ MF 941 ldr. 415 hrs, like new, very nice clean tractor. Air seat

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NEW EQUIPMENT Farmall 35C MFD loader Farmall 45C MFD cab loader

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Grass & Grain, June 23, 2020 Page 19 Kansas Wheat hosts virtual trade team with customers from Brazil

Kansas Wheat Commission held its first-ever virtual trade team on June 10 with customers from Brazil. These customers had the opportunity to learn more about the current wheat crop, growing conditions and updates about how harvest is progressing. The event was moderated by Aaron Harries, VP of Research and Operations for Kansas Wheat and held in cooperation with U.S. Wheat Associates, the industry's export market development organization, and the Oklahoma Wheat Commission.

"One of our priorities has always been trying to communicate directly with buyers and have them stand in a wheat field with our farmers and see the crop," said Justin Gilpin, Kansas Wheat CEO. "This was an opportunity to bring a farmer and a wheat field to them virtually."

Each year, about half of

exported, and Brazil has become a very important customer. In marketing year 2019/20, Brazil purchased 546.5 thousand metric tons of U.S. wheat, more than double the previous marketing year, with hard red winter making up 82% of those purchases Brazil was the sixth-largest export market for U.S hard red winter wheat during the most recent marketing year.

the Kansas wheat crop is

During the virtual trade team meeting, Brazilian customers had the opportunity to hear from experts in the U.S. wheat marketing chain.

Kansas State Universitv's Wheat Extension specialist Romulo Lollato, a native of Brazil himself, provided a preview of the 2020 Kansas hard red winter wheat crop. He gave this overview in Portuguese, allowing the customers to hear about the crop in their native language.

Mike Schulte, executive director of the Oklahoma Wheat Commission. provided an update on the Oklahoma wheat crop. which was approximately 40% harvested. He said the quality of the Oklahoma crop is excellent this year.

Gilpin gave an outlook of Kansas production, providing a snapshot of the current time, which is very early in harvest. With current travel restrictions, he was glad to see some of his friends and continue these relationships virtually.

He told the participants. "All of you are leaders within your industry and we want to be considered a partner and try to help you be successful in what you're doing and trying to provide you with the right kind of wheat when it's available for you."

Kansas wheat farmer Martin Kerschen, from Garden Plain, gave a live wheat field. He said his wheat is nearly ready to harvest, stating that they will begin test cutting on June 12 and that harvest should be in full swing by the weekend. He said it will take him about seven to ten days to complete his harvest, with the hot, dry, windy weather that is predicted for the area. Kerschen said the local grain elevator has started to receive some test samples in, and he estimates that his yields will be above the state average.

report from a Kansas

"We wish you guys could come up here and see how good this crop is going to look, and the berries in it," he said. "We want to trade with you. knock down the trade barriers, and let's just all get along and have a good time doing it."

Finally, the group heard a perspective from a U.S. grain trade representative. He told the participants that there will be plenty of good quality wheat available for export this year.

"Thank you very much for setting up this conference," said Miguel Galdos. regional director at the U.S. Wheat Associates office in Santiago, Chile, "I think that all the participants have received excellent information and I want to thank again the Kansas Wheat Commission, the Oklahoma Wheat Commission and also to Abitrigo for all their support and help for sending invitations to all the millers in the Brazilian market. We are here to help all of our customers at the USW Santiago office."

JD 1046 Running Gear Flatbed Wagon; Meyers Boomless sprayer 3pt, 100 gal.

MISCELLANEOUS

1989 Nymph 16' Boat, 28 HP Evinrude, w/Trailer; Lowe 1667

TBoat w/9.9 4 Cycle Outboard,

electric start: JD Z850A. 72

Zero Turn, Hydlift, 510 HRS

Husqvarna Pro 27, 60" Zero

Turn, Kohler Engine; Antique Road Grader, Pull Type; JD

Row Mounted Corn Pick

er: Superior Grain Drill. Steel

Wheels; 2 Bulk Bins, 2 Ton & 3 Ton; Cement Mixer - Box Blade, 4', 3 pt.; Ridgid Job Box - Rotary Mower, 4', 3 pt.;

Honda EG3500 Generator; JD

VT Twin 18 HP Spin Steer

Mower; Finish Mower, 6', 3

4000 Watt: Generac Genera-

tor, 3250 Watt; 2-Wheel Car

Trailer; Power House Genera

tor, 9000 Watt; Buggy, Single Seated, Open; Garden Tillers;

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Buildings, 9x12, 10x15; Hay Wagon, Spoke Wheeled; Fin-

ish Mower, 6' 3 pt.; Automatic Chicken Water System 1500

HD, lots of new parts; Priefert

Squeeze Chute w/Dolly; Bush-

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Trailer 6 1/2'x12 EQUIPMENT

Vermeer XL Baler Net Wrap Kicker; JD 467 Mega Wide Baler; JD 1525 Twine Knife Swather w/300 Auger Platform: Kuhn 700 Disc Mower, 9'; Hesston 1090 Swather; NH 469 Swather: NH 499 Dischine: Hay Sickle Mower, Self-Propelled, 12'; Vermeer WR22A 10 Wheel Rake: Hesston 5200 Bale Mover; IH 1150 Feed Grinder, Knives Never Turned; Gehl 100 Grinder Mixer: Farmhand 880 Hay Grinder; JD #68 Grain Cart, 125 Bu., Auger, New Paint; Case IHC 3600 Disc, 24'; JD 730 Field Cultivator, 30'; JD Cultivator, 12 Row; JD 700 Planter, 6 Row, 30" Rows, All Plates Shedded; JD 8300 Grain Drill, 21 Hole, Shedded: JD 400 Rotarv Hoe; NH 520 Manure Spreader; NH 331 Manure Spreader;

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ne calving season ver

By Glenn Selk. Oklahoma State **University Emeritus** Extension animal scientist

Southern Plains producers have many alternatives for calving seasons. Spring and fall are the seasons of choice. Traditionally many herds have been bred to calve in February and March. Some fall calving seasons have arisen from elongated spring seasons or were initiated by "rolling over" females that failed to become pregnant in the spring breeding season.

Most fall calving herds were created by design to take advantage of improved cow condition at calving, improved market conditions when calves

NCBA, Beef Checkoff submits 100+ research studies to dietary committee

During the last 13 months, the National Cattlemen's Beef Association (NCBA), a contractor to the beef checkoff, has submitted 21 sets of public comments and more than 100 research studies in support of beef's role in a healthy diet to the 2020-2025 Dietary Guidelines for Americans Advisory Committee (DGAC).

"Beef is part of a healthy diet for most Americans, and a large body 01 search supports the flexibility to choose lean beef more often as an important source of high-quality protein and nutrients during all life stages, from birth to older adults," said Shalene McNeill, registered dietician and executive director of nutrition research for the NCBA, a contractor to the Beef Checkoff. "We believe it's imperative that this research is reviewed and considered as part of the DGA process." The DGAC is composed of 20 health and nutrition experts and is responsible for developing recommendations to inform the USDA and the U.S. Department of Health and Human Services (HHS) as they develop the updated Dietary Guidelines for Americans (DGAs), which are updated every five years.

and cull cows are sold, and less weather (heat) stress on cows and bulls during the breeding season.

Deciding on the use of one calving season or two calving seasons is a big first decision when commercial producers are choosing calving seasons. Two calving seasons fit best for herds with more than 80 cows. To take full advantage of the economies of scale, a ranch needs to produce at least 20 steer calves in the same season to realize the price advantage associated with increased lot size. Therefore having forty cows in each season as a minimum seems to make some sense.

Using two seasons instead of just one can reduce bull costs a great deal. Properly developed and cared-for bulls can be used in both the fall and the spring, therefore reducing the bull battery by about half. If bulls are used twice per year, they must be given adequate nutrition to maintain body condition and should be required to pass a breeding soundness exam at least yearly.

Another small advantage to having two calving seasons is the capability of taking fall-born

UPCOMING

heifers and holding them another few months to go in to the spring season and vice versa. Because of this, replacement heifers are always 2 1/2 years at first calving instead of two years old. These heifers should be more likely to breed early in the breeding season and have slightly less calving difficulty.

Research (Goodrich, et al., 1985 OSU Research Report) has shown that these differences are very small, therefore the cost of the other six months' feed must be minimal to make this a paying proposition.

Α disadvantage to breeding heifers to calve at 30 months is found when "open" heifers are culled. They are too old to go the feedlot and produce high-grading carcasses. Therefore, the older heifers will be discounted (price per pound) when marketed after an unsuccessful attempt to get them bred.

Some producers like the dual calving seasons because of the spread of the marketing risk. Having half of the calf crop sold at two different times allows for some smoothing of the cattle market roller-coaster ride. It is important that an adequate number of

UCTIO

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calves be born together to a make a marketable package that will not be discounted because of small lot size. Labor requirements

and increased pastures must also be considered. More days of the calendar year are involved with checking cows and heifers during the calving season if split seasons are utilized. Fall calving often conflicts with wheat planting during September or October. More pastures are required to keep cows in the same stage of production together when there are two calving seasons. Non-lactating cows need less energy and protein than do lactating cows to maintain body condition. Feeding both together would be very inefficient.

There are advantages and disadvantages to a split calving season. Having a split calving season is NOT for everybody, but may be an alternative for some Southern Plains pro ducers.



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500-600#	\$145.00-\$131.00	COWS-HIGH YIELDING					
600-700#	\$139.00-\$122.00	1675#-1275# \$87.00-\$62.00					
700-800#	\$135.00-\$118.00	COWS-LGT WT & LOW YIELDING					
800-900#	\$131.00-\$120.00	1410#-960# \$60.00-\$46.00					
900-1,000#	N/A	BULLS:					
Н	EIFERS	1875#-1280# \$91.00-\$86.00					
300-400#	N/A	July 2: Closed					
400-500#	N/A						
500-600#	\$150.00-\$132.00	July 9: Regular Sale * July 16: Regular Sale					
600-700#	\$135.00-\$122.00	July 23: Closed					
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Grass & Grain, June 23, 2020 Page 20 KDA confirms vesicular stomatitis in horses in Butler County

Kansas Department of Agriculture has nounced that vesicular stomatitis virus (VSV) was confirmed in horses in Butler County on June 16, 2020. Kansas becomes the fourth state in the U.S. to have confirmed cases of VSV this year.

The infected horses live on different private residences in south central Kansas. When clinical signs were first identified on a premises in Butler County, KDA contacted veterinarians in the region to alert them of the possibility of VSV, which led to additional suspect cases in the area. Upon receiving the laboratory confirmation, KDA established a quarantine on the three affected premises. KDA has tested a number of other animals in the region which are showing clinical signs consistent with VSV, and are awaiting final laboratory testing



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tor freezer, water & ice in door white Kenmore glass top elec-tric range, 30"; GE microwave, 3-cushion floral couch; brown

3-cushion curved couch; brow

2-cushion couch: Theater set w/3

red electric recliners; leather has

sock; 2 sets of bunk beds, com

plete; octagon formica table, w/2

rollaround chairs; 2 rollaround

office chairs; 4 drawer file cabi

net: book shelves: 3 door cabinet

w/screen doors; drop leaf table

rocker: overstuffed chair: brown

leather recliner; patio table, 2

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chest; power jig saw; Makita pow-

miter saw: Craftsman roto tiller; Ig

asst. of power hand tools; hand &

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table, complete; salad shooter

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utensils; luggage; linens & bed

ding; lg. asst of new nails; shop

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chairs; 3 boxes of silverware

er miter saw;

chairs; green cushion arr

SALE LOCATION: 601 E. Court Street ANTIQUES: Oak drop front desk; round oak dining table w/ leaf, 4 pattern back chairs, exec. cond.; oak curved glass china closet: oak librarv table: oak arm day bed couch; oak 2 door comode; oak 6 drawer chest; oak chiffrobe: ornate sofa table: mahogany 2 door cabinet; mahogdoor cabinet; marble top end table: record cabinet: marble top coffee & end table; walnut drawer chest; lift top desk w/ chair: ornate stand table: padded glider rocker; walnut dresser w/ mirror & marble insert; ornate ainting couch: dresser w/mirror. 2 drawers; 2 marble top stand ables; 2 wicker rockers; Dayon counter scales; white china pitcher & bowl; 15 pcs Carnival lass; several pcs lead crystal 18 wine glasses; 6 red tumblers; 6 letter "M" glasses; glass comote; West German candlestick nolders; Ig. collection HP plates & dishes; Bunnykins cup, saucer, 3 plates; collections of tooth pick holders, cups & saucers, HP vegetable dishes; Maezel metronome; Sessions mantle clock asst of brass items: celluloid & red & clear dresser sets; 4 sets of HP china dishes; High Valley Pears wood box; painted vanity shelf & 2 drawer table; cook & ecipe books; fancy handle cane prints & pictures: oak hall bench: oak hall seat w/mirror.

ORGANS & COMPUTER: Bald win triple keyboard organ w/ bench: small electric organ w/ bench; Samsung computer w/ router & computer desk; computer desk.

too numerous to mention! SELLER: HAROLD HEIDRICK AUCTIONEER'S NOTE: this is an auction of antiques, household goods & woodworking tools all in very nice condition. Several

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Protecting the health and safety of horses and other livestock in Kansas is our highest priority," Dr. Justin Smith, animal health commissioner, said. "We encourage all livestock owners across Kansas to be aware of the clinical signs of VSV and follow best practices to limit exposure to insects. Livestock owners should take extra precautions to limit exposure to other animals."

VSV is a viral disease which primarily affects horses but can also affect cattle, sheep, goats, swine, llamas and alpacas. In horses, VSV is typically characterized by lesions which appear as crusting scabs on the muzzle, lips, ears, coronary bands, or ventral abdomen. Other clinical signs of the disease include fever and the formation of blister-like lesions in the mouth and on the dental pad, tongue, lips, nostrils, ears, hooves and teats.

Infected animals may refuse to eat and drink, which can lead to weight loss. Vesicular stomatitis can be painful for infected animals and costly to their owners. Humans can also become infected with the disease when handling affected animals, and can develop flu-like symptoms.

The primary way the virus is transmitted is from biting insects like black flies, sand flies and midges. Owners should institute aggressive measures to reduce flies and other insects where animals are housed. VSV can also be spread by nose-to-nose contact between animals. The virus itself usually runs its course in five to seven days,

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and it can take up to an additional seven days for the infected animal to recover from the symptoms. Premises with animals diagnosed with VSV are guarantined for at least 14 days after the last affected animal is diagnosed. There are no USDA-approved vaccines for VSV.

VSV is considered a reportable disease in Kansas. Any person who suspects their animals may have VSV should contact their local veterinarian or state animal health official.

When VSV was confirmed in neighboring states this spring, KDA implemented increased importation requirements from the affected regions to help prevent the spread of VSV into Kansas. Because of the confirmed case in Kansas, other states and Canada are likely to increase restrictions on livestock imports. Animal health officials strongly encourage all livestock owners and veterinarians to call the animal health authority in the destination location for the most current import requirements prior to travel.

For more information about VSV, including documents outlining symptoms, fly control practices, and current situation reports, please visit the KDA website at www.agriculture.ks.gov/VSV. If you observe clinical signs among your animals, contact your veterinarian right away. For questions about VSV in Kansas, please contact the KDA Division of Animal Health at 785-564-6601.

Deworming: an important piece to the cattle health puzzle

Every factor affecting cattle health plays a role in determining profitability

When your goal is to produce more high-quality meat, it's pertinent to ensure your herd has every aspect of its health well-maintained. Something as simple as a consistent deworming protocol can be a small piece to your animal's health and wellness program, but it can have a resounding effect on its performance.

Joe Gillespie, Boehringer Ingelheim veterinarian, encourages producers to implement a consistent deworming protocol to help cattle maintain optimal health and produce a high-quality end product.

"If cattle are in a better place of health, they're going to have better feed conversion and better utilization of nutrition. which ultimately should have a positive impact on end-product quality," says Gillespie.

He also stresses that. though important, deworming is only a piece of the puzzle.

"There are many management factors that impact the potential market value of an animal. including genetics, nutrition, vaccinations and parasite-control methods," he explains. "Maintaining a low parasitic load is im-

portant to an animal's ability to convert feed into pounds.'

Protect your herd from productivity-limiting parasites

A heavy parasite load doesn't often manifest itself in obvious ways, which is one of the reasons an ongoing treatment program is so vital.

A heavy parasite burden in a cow's intestinal tract competes to ingest the nutrients the animal needs to thrive. This competition can suppress the cow's appetite and, in turn, take away her ability to gain optimal weight. Additionally, parasites can damage the animal's intestinal lining and decrease its ability to respond fa-

vorably to vaccinations. If an animal doesn't have to deal with the irritation and burden associated with parasitism, it'll likelv have better immunity, which contributes to enhanced productivity and reproductive efficiencies. Improved herd reproduction can, in turn, mean more calves, more pounds and, ultimately, more prof-

Properly time your deworming protocol

If a producer hasn't given much thought to a deworming protocol in the past, it is never too late to put one in place.

"Deworming is an area of animal health where it's easy to lose focus," says Gillespie. "As busy cattle producers, we tend to treat cattle at our convenience. However, ensuring a herd is treated at the right time with the right type of product can positively influence the whole system."

Start by discussing

your goals and options with your veterinarian, who will likely have geographic-specific insights to help formulate the best approach for your herd.

As a general rule, Gillespie recommends implementing a deworming protocol twice a year:

1. Prior to cattle entering a grazing environment. where they can potentially pick up parasites and to eliminate any dormant parasites. In many geographies, this happens in the spring.

2. After they come off the grazing pasture, to manage any parasites that may have been ingested during the grazing season, usually in the fall.

For producers looking for added convenience and efficacy throughout the year, he recommends an extended-release injection. A recent study showed a significant increase in average daily gains for cattle receiving an eprinomectin extended-release injectable. compared to those that received a topical ivermectin. Further, an economic advantage of \$5.86 per animal was observed in the extended-release group.

'One deworming mvth that I want to correct is that 'all dewormers are the same,' because they aren't," stresses Gillespie. 'There's a lot of technology that has gone into the production of the different types of dewormers that are available. And it's important for producers and veterinarians to find the antiparasitic that's going to best fit their situation.'

Discuss with your veterinarian how deworming can be a strategic part of your herd health plan.

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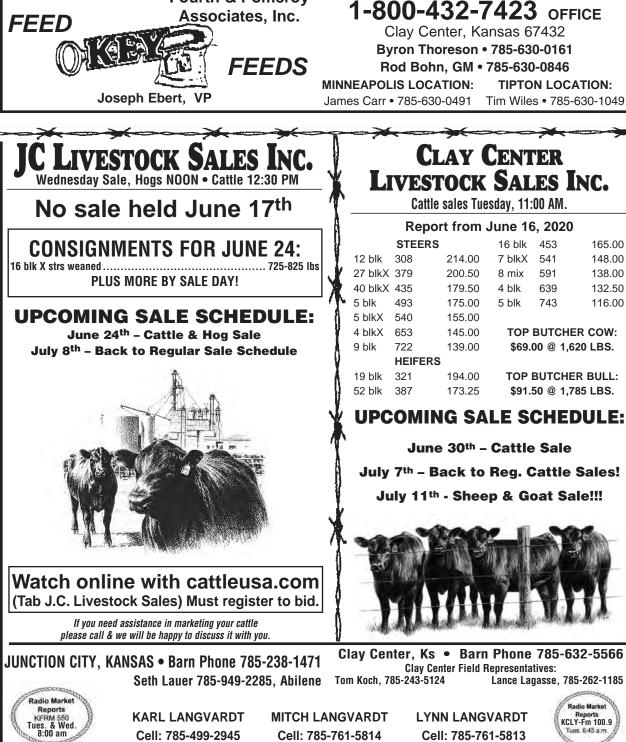
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1 blk925@98.00	25 mix
	8 Char771@116.0
1 blk925@59.00 1 blk1030@54.50	41 mix815@119.0 PAIRS
1 bwf-bd eye 1090@53.00	1 blk1455@1350.0
1 red	1 blk1490@1325.0
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1 bwf1130@57.00	STEERS
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Grass & Grain, June 23, 2020 Page 21 Flint Hills Discovery Center to reopens to public June

The Flint Hills Discovery Center (FHDC) is excited to announce that on Tuesday, June 23 the facility reopened its doors safely to the public.

The FHDC will be operating under limited hours until further notice to allow for additional cleaning and safety measures during this time. Hours of operation will be as follows: Tuesday-Saturday 10:00 a.m.-3:00 p.m. and Sunday 12:00 p.m.-5:00 p.m. The FHDC will be closed to the public on Mondays for routine maintenance and additional cleaning.

"Our team is excited about welcoming guests in to the Discovery Center and have developed intense safety plans and are prepared for a safe return." said Susan Adams, Director of the Flint Hills Discovery Center. "Our cleaning protocols have been heightened to keep all safe who visit. We have missed everyone and look forward to seeing guests very soon.'

The first floor permanent exhibits displaying the history and culture of the Flint Hills will remain open. The Horizon Ranch Immersive Theater will remain open with a limited capacity of 30 guests per showing. The second floor exhibit areas will be limited to 50 guests in the children's Prairie Playscape and our traveling exhibit, American Adventure. The outdoor Prairie Garden Terrace and Trail will remain open.

Guests can expect to find extra safety precautions throughout the FHDC to ensure guest safety and comfort. Signs are located throughout to remind guests to practice social distancing and direct guests to hand-sanitizing stations located on each floor. All high-contact touch points located throughout the facility will be disinfected multiple times a day. Toys in the Prairie Playscape will be limited. At the end of each day, used toys will be replaced with clean toys to be used the next day. Used toys will then be sanitized and placed in a secure area for 24 hours to disinfect. Currently the Underground Burrow and slide will be closed. The building will be open at 50% capacity.

FHDC staff and volunteers are required to maintain safe behavioral practices including social distancing, hand-washing, hand-sanitizing and it is highly recommended for staff and guests to wear face masks. The FHDC also encourages staff, volunteers and guests to stay at home if they are not feeling well.

FHDC members who have current memberships

or memberships that expired during the time of the closure will have the option to donate or extend their memberships for the time the FHDC was closed. Members will need to reach out by phone, in-person or visit //flinthillsdiscovery.org/reopen to learn more about the options available.

We want to make membership renewal fair and equitable," said Kendra Kuhlman, Assistant Direc tor/Development officer of the Flint Hills Discovery Center. "We can't wait to welcome our members back to the Discovery Center safely. We are incredibly thankful for the continued community support we've received.'

In addition to reopening the facility this summer, the FHDC will be offering in-person Adventure Camps for children entering grades 1-6. Registration for Adventure Camp will open Thursday, June 18 at 8:00 a.m. For dates, times, weekly themes and registration information visit //flinthillsdiscovery.org/camp.

To learn more about the Flint Hills Discovery Center reopening procedures, visit //flinthillsdiscovery. org/reopen, call 785-587-2726 or visit 315 S. 3rd St. in Manhattan.

lion problem own stomac worm IS

Ostertagia ostertagi is the most common and economically important parasite in cattle. Also known as the brown stomach worm, it is estimated to cost the U.S. cattle industry \$2 billion per vear due to lost productivity and increased operating expenses.

"On beef and dairy operations, we're not seeing the traditional signs of worms, such as skinny animals with rough hair coats, anymore," says Stephen Foulke, Boehringer Ingelheim veterinarian. "Instead, internal parasite infections manifest as poor productivity, including reer growth rates, delayed breeding, decreased milk production and depressed immune responses.'

Studies show that a brown stomach worm infection can reduce weight gain by up to 20 pounds. Milk production can see a decrease between 2 lb. and 5 lb. per day.

How do herds become infected?

Unlike other stomach worms, the brown stomach worm has the unique ability to penetrate the lining of the abomasum and become dormant, so it can survive during weather that's too cold or too hot. When conditions improve,

at once, causing severe inflammation and irritation. reduced feed intake and sometimes even death.

Foulke breaks down the basic life cycle:

Adult parasites lay eggs in the gastrointestinal tract of cattle.

Eggs are expelled from the cattle through feces.

Eggs hatch and develop into infected larvae.

The infected larvae crawl onto the grass that cattle graze on.

Larvae are ingested by cattle.

Stocking density and weather conditions can influence the likelihood of this cycle continuing, and of parasites present at any given time.

"Parasites place themselves in the best position to be ingested by cattle," explains Foulke. "They try to stay at the top of the grass blades during the day, and migrate back down to ground level overnight."

Studies have found that the climate at the base of the grass is very favorable for larval survival and can harbor large numbers of parasite larvae. Some larvae migrated as far as 15 centimeters down into the soil and were able to return to the surface for ingestion.

verse weather conditions allow larvae to be more easily transported away from the fecal matter. In fact. a minimal amount of water can transport larvae up to 35 inches away from their original location.

To best protect your herd from parasites, Foulke encourages producers to look for a weatherproof dewormer. A local veterinarian can help you determine the parasite load in your animals and on vour pasture throughout the year, as well as adapt control methods to manage parasites in all weather conditions.

Managing the brown

stomach worm

"Producers often ask about the best deworming protocol, but unfortunately, that answer is different for every farm," says Foulke. "The way you're going to deworm a dairy herd in the Northeast is going to be very different than deworming a stocker operation in Florida."

To minimize the effect these parasites can have on herd performance and profitability, Foulke advises both beef and dairy producers to work with their veterinarian to perform routine fecal tests on their cattle, and implement management protocols accordingly.

Rainfall and other adduced feed intakes, slowthe larvae can emerge all consequently the number June 30 last day to complete enroll nent for 2020 ARC, PL

Agricultural producers who have not yet enrolled in the Agriculture Risk Coverage (ARC) or Price Loss Coverage (PLC) programs for 2020 must do so by June 30. Although program elections for the 2020 crop year remain the same as elections made for 2019, all producers need to contact their local USDA Farm Service Agency (FSA) office to sign a 2020 enrollment contract.

"The Agriculture Risk Coverage and Price Loss Coverage programs are critical safety-net programs for farmers, helping

producers weather market distortions resulting from natural disasters, trade disruptions and, this year. a pandemic," said FSA administrator Richard Fordyce. "Contact your FSA county office today to complete enrollment before June 30. This can be done in concert with filing your acreage report and applying for other FSA programs."

To date, more than 1.4 million ARC and PLC contracts have been signed for the 2020 crop year. This represents 89% of expected enrollment. FSA will

send reminder postcards to producers who, according to agency records, have not yet submitted signed contracts for ARC or PLC for the 2020 crop year.

Producers who do not complete enrollment by

Programs close of business local time on Tuesday, June 30 will not be enrolled in ARC or PLC for the 2020 crop year and will be ineligible to receive a payment should one trigger for an eligible crop.

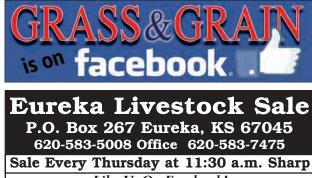
entral ivestock 811 N. Main St. South Hutchinson, Ks www.centrallivestockks.com Office: 620-662-3371 or Matt Hoffman (Owner): 620-727-0913 Hay Auction- Every Tuesday at 9:00 a.m. Cattle Auction- Every Tuesday at 10:00 a.m. Hog/Sheep/Goat Auction- Every 3rd Saturday Horse/Tack Auction- Every 1st Saturday Tues., June 30th - NO SALES Sat., July 4th - NO HORSE SALE Tues., July 7th - NO SALES Regular schedule resumes Tues., July 14th Check website/ Facebook for schedule changes!

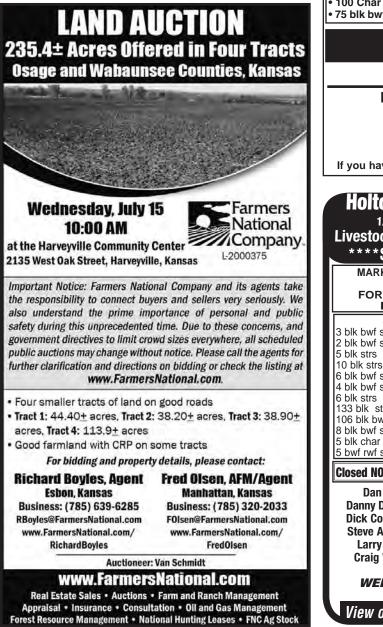
EPA administrator appoints two **Rural Committee** Kansans to Farm,

The U.S. Environmental Protection Agency administrator Andrew Wheeler has announced the newest members of its Farm, Ranch and Rural Communities Committee (FRRCC). This 33-member committee, established in 2008, provides independent policy advice, information and recommendations to the EPA administrator on a range of issues important to agriculture and rural communities.

Jesse McCurry, executive director of the Kansas Grain Sorghum Commission and Kansas Grain Sorghum Producers Association, and Bill Pracht, CEO of Pracht Farms and East Kansas Agri-Energy, were both named to the committee.

"The EPA is one of the most impactful agencies on the Kansas agriculture industry so it is important farmers and ranchers maintain a voice within the agency to help advocate for the needs of the industry and work with EPA officials to find balanced, productive policies," said Congressman Roger Marshall, M.D. "I am proud to see two Kansans named to the committee and trust they will carry with them the thoughts and concerns of all of Kansas agriculture. It is important farmers and ranchers continue to have a seat at the table and reinstating this committee further fulfills President Trump's dedication to agriculture and rural America." The new slate of members will formally restart the committee, which currently has zero active members and will better help the EPA understand the needs, concerns and ideas of rural America. Members come from 24 states and represent a broad range of the agriculture industry. The committee will have its first meeting later this summer.





Like Us On Facebook! THERE WAS NO SALE **HELD JUNE 18 EARLY CONSIGNMENTS FOR JUNE 25** • 180 mostly blk strs, 850-1000 lbs, off the grass 125 blk Red Char X strs & hfrs. 750-950 lbs. • 100 Char X strs & hfrs, 700-900 lbs. 75 blk bwf rbf strs & hfrs, 500-750 lbs, Fall calves, dbl. vac. NO SALE JULY 2 We appreciate your business! Ron Ervin - Owner-Manager Home Phone - 620-583-5385 Mobile Cell 620-750-0123 Austin Evenson- Fieldman Mobile Cell 620-750-0222 If you have any cattle to be looked at call Ron or Austin Holton Livestock Exchange, Inc. 1/2 mile East of Holton, KS on 16 Highway Livestock Auction every Tuesday at 12 NOON ****STARTING TIME: 12:00 NOON**** MARKET REPORT FOR TUESDAY, JUNE 16, 2020 RECEIPTS: 569 CATTLE FOR FULL RESULTS, VISIT OUR WEBSITE: VWWW.HOLTONLIVESTOCK.COM STEERS HEIFERS 405@181.00 3 blk bwf strs 2 blk hfrs 392@159.00 477@160.00 2 blk bwf strs 4 blk hfrs 333@155.00 526@159.50 4 blk bbf hfrs 465@148.00 532@157.00 465@146.00 4 blk hfrs 6 blk bwf strs 440@155.50 486@146.00 4 blk bwf strs 591@151.00 6 blk bwf hfrs 602@146.00 500@143.00 5 blk hfrs 33 blk strs 802@137.00 491@139.50 4 blk bwf hfrs 106 blk bwf strs 887@134.75 4 blk bwf hfrs 558@131.00 8 blk bwf strs 687@134.50 637@130.00 blk char strs 926@124.50 9 blk hfrs 5 bwf rwf strs 793@122.00 Closed NO SALE June 30 * Back on Regular Schedule July 7 Dan Harris, Auctioneer & Owner • 785-364-7137 Danny Deters, Corning, Auct. & Field Rep • 785-868-2591 Dick Coppinger, Winchester, Field Rep. • 913-774-2415 Steve Aeschliman, Sabetha, Field Rep. • 785-284-2417 Larry Matzke, Wheaton, Field Rep. • 785-268-0225 Craig Wischropp, Horton, Field Rep. • 785-547-5419 Barn Phone • 785-364-4114 WEBSITE: www.holtonlivestock.com EMAIL: dan@holtonlivestock.com View our auctions live at "Imaauctions.com



• 34 steer & heifer calves right off cow, 2 round pyramid 5+ presponce, covexin 8. Ralgro steers first of June 70 strs & hfrs, home raised, long weaned w/shots, 550-700 lbs • 37 black steers, long weaned, 850 lbs. 150 mixed heifers, few steers, off grass, 800-875 lbs. 3 LOADS mixed steers, off brome, 750 lbs. • 3 LOADS mixed steers, off brome, 900 lbs. 1 load of black steers, off brome, 875-925 lbs. • 1 load mixed steers, off grass, 800-850 lbs. • 2.5 loads mixed heifers, off grass, 850-900 lbs. • 5 loads mixed steers, off rye grass, 900-950 lbs. • 2 loads mixed steers, 1000-1050 lbs. **CHECK OUR WEBSITE AS WELL AS FACEBOOK** If you have cattle to consign or would like additional Check our website & Facebook for updated consignments: www.eldoradolivestock.com To stay up to date on our latest announcements you

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attle Sale Everv ⁻	Thursday 11:00 AN

Ca



With the corn, wheat, and soybean markets last week, we had three very different outcomes. The corn had another sidewavs week and the July corn has traded at or near \$3.28 for 12 consecutive sessions. The \$3.34 area has acted as critical resistance for two consecutive weeks and we just don't seem to have to the news needed to pop through that level. Weather is mostly non-threaten-ing, although crop condition ratings did decline to 71% Good to Excellent, and our next major news from USDA isn't until the end of the month. Lack of news, as much as anything, keeps this market going sideways.

The wheat market has not been going sideways, it has been heading lower. The July KW has not taken out the March low, but it is very close and it seems inevitable. Blame it on "harvest pressure" or inconsis-tent export sales, it doesn't

really matter. In order to make a turn around, the wheat will have to see either much larger export sales, or some kind of weather issue that creates strength in the corn market. Other than that, it is just the right time of year for the wheat market to head lower.

Soybeans were the bright spot of the week. The July soybeans reached the highest level since April 1st thanks in part to solid demand out of China. China is the key to our ending stocks as we move forward. Granted, the November contract has lagged behind because of the fear of a larger acreage estimate, but strong demand can absorb the extra acres. If we can get enough demand, or a weather scare, that drives the new crop contracts through the overhead resistance, the bull camp will be fully in control. It might not be a bad summer for the beans

With the exception of one active session on Monday, the cattle market was quiet. Cash cattle keep slipping and daily cash averages are working down to the \$100 level. The feeder index continues to trade sideways since we can't seem to get the live cattle market to trend either up or down.

The cattle on feed report was not helpful. The on feed estimate came in above expectations at 100%, placements were expectations at above 99%, and marketings were below expectations at 72%. I don't think that the report will have much market impact since we are already dealing with a unique fundamental situation, but I do know that the report will not be helpful.

normal. Our wall of cat-

Seven I	Day Forecast	In-l	Depth Lo	ocal Fore	cast	June 24, 2020 Today's Local Outlook					
	WEDNESDAY Partly Cloudy High: 81 Low: 65	Today we will see partly cloudy skies with a slight chance of showers and thunderstorms, high temperature of 81° , humidity of 50%. Light winds. The record high temperature for today is 100° set in 2012.				Washington 80/66 Blue Rapids				Seneca 78/64	
A.F.	THURSDAY Partly Cloudy High: 84 Low: 68	aparty ap	ist Week	c's Alman	ac	Clay Ce 80/64	nter	Suit-	7	TIT	
	FRIDAY Few Showers High: 95 Low: 70	Date 6/12 6/13 6/14 6/15	Hi/Lo 92/67 95/65 94/70 94/72	Normals 85/61 85/62 85/62 85/62	Precip 0.00" 0.00" 0.00" 0.00"	-	Ogden 79/64	Mahattan 81/65	Wam 80/64		
	SATURDAY Mostly Cloudy High: 90 Low; 74			86/62 86/63 86/63		• Abilen 82/64	Jun 81/6	ction City_	MA	14	
	SUNDAY Sunny High: 91 Low: 75	Departure Average t Average r	emp		1.07" 82.1° 73.7°		Ser.		ouncil G 1/64	rove	
-0	MONDAY			Т	his Week	's Sun & M	oon Char	t			
100	Cloudy High: 90 Low: 74	First 6/28	(h)	Day Wednesday Thursday	Sunrise 6:01 a.m. 6:02 a.m.	Sunset 8:56 p.m. 8:56 p.m.	Moonrise 9:18 a.m. 10:27 a.m.	Moonset 11:58 p.m. Next Day	(The second	Las 7/1	
THE	TUESDAY Sunny High: 91 Low: 75	Full 7/5	323	Friday Saturday Sunday Monday Tuesday	6:02 a.m. 6:02 a.m. 6:03 a.m. 6:03 a.m. 6:04 a.m.	8:56 p.m. 8:56 p.m. 8:56 p.m. 8:56 p.m. 8:56 p.m.	11:37 a.m. 12:47 p.m. 1:57 p.m. 3:07 p.m. 4:19 p.m.	12:34 a.m. 1:06 a.m. 1:37 a.m. 2:06 a.m. 2:37 a.m.	Õ	Nev 7/2	
L	ocal UV Index			Weatl	ner Histor	ry	Gr	owing De	gree Da	ys	
0-23	4 5 6 7 8 9 10		Salem, N.C structure cl	sought she	lter from a ned a quan	y south of Winste thunderstorm. T tity of dynami og the dynamite	he 6/12 te. 6/13	29 6. 30 6.	Pate Degr /16 /17 /18	ree Da 32 34 34	

AbileneMachine® Ag Replacement Parts ANNIVERSARY **Full Line of Combine Parts** Augers · Feederhouse Chains · Sprockets Concaves • Elevator Chains • Belts and More!

The Flínt Hílls By Ray Ebberts, Topeka Strangers have said that Kansas is not very pretty and is extremely flat. Those west of Highway 81 are called "flatlanders," yet there is beauty even in that. The breeze that blows the golden wheat in June; Most often from the south, like a musician playing a sweet and softly tune. The Flint Hills are from Nebraska to the Oklahoma line. Beauty there - picturesque lands, hills and valleys painted by nature so fine. Miles and miles of bluestem grass is everywhere. And yes, an occasional cowboy and his horse; fixing fence and counting with loving care. The peace and quiet of the countryside, A real blessing for those who have chosen to reside. That little church upon the hill: Where those few of us go to seek God's will. To live a life so different than most city folks can understand. Yet so happy, content and respectful living as they see God's plan. They raise their families with daily chores to do. Habits that life demands for values of success to be true. The human beauty is so very easy to see. It helps to enhance the hills as they were meant to be. There are some old dirt roads yet today -Some with a touch of gravel to help the rancher along his way. Still some cattle guards in roads to help them stay where the rancher planned. Some of the fences are flint stone, three or more feet high still stand. Each stone was first turned to clear it of rodents, snakes, spiders and such, Sometimes it took many months, even years, to give them their last final touch. Horses and wagons carried the rock where the master wanted it to go. To build a permanent marker on his land so proud - "ownership to show". To drive by and see those fences now; Makes me think back to those hard times: yet they made it somehow. There are still places on top of these hills where as far as one can see: Not a house, barn or anything human just quiet beauty, peace, nature and me. A few cattle on the hillside grazing on blue grass. And some birds larking in the meadow as I pass. Vision this: The breathtaking beauty in the early spring of controlled night burning of pastures every three years or more. And the fall cattle round-up spectacle that touches one to the core. I am now 83 years of age – grew up in the midst of this. There is so much here finding some new beauty that I once missed. Please paint with your own mind's eye a memory like me.

You must come. You must see.



LIVING ESTATE AUCTION SATURDAY, JUNE 27, 2020 — 10:00 AM

15900 110 RD. — HOYT, KANSAS 66440 From Hwy. 75 & 110 RD, take 110 RD East 3 mi. to Auction. *Watch For Signs.*

EQUIPMENT (SELLS NOON) 2015 John Deere Tractor 3039R Diesel 4x4 (71 hrs) (31 PTO HP, EHYDRO) w/John Deere H160 Front End Loader Bucket; 6' Rear Blade; 4000 Ford Tractor; White Yard Boss Lawn Tractor; 2006 gooseneck flatbed Trailer 24'x8 1/2' w/gooseneck added 32'x81

(9) SALVAGED VEHICLES (Sell after Tractors & Equipment) TOOLS, GARAGE ITEMS, FURNITURE, HOUSEHOLD & COLLECTIBLES

Due to COVID 19, we are taking precautions for the health & wel-fare of our customers & staff. Out of the abundance of caution and in accordance with Local, State, & Federal Guidance/Mandates in

mal, and we are still trying to figure out the state of beef demand. Restaurant demand is not back to nor-A marketing commentary by Bret Crotts mal, but it is improving, and export demand seems to be back to normal, so we if our trade relations with China don't sour.

On the bright side of things, daily slaughter rates are getting back to

have a number of positives to work with. At some point the cattle market will break out of this long sideways pattern, and right now it seems to me that the breakout will be to the upside. Stay tuned. Schwieterman, Inc. is a full service commodity brokerage firm. If you would like more information on commodity markets or our brokerage services, contact Bret Crotts at 800-272-9131,

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or

tle is not growing, so the

worst of the oversupply

issues should be behind

us. Boxed beef has been free-falling since produc-

tion is getting back to nor-

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We sold 818 market was s steady to \$2.0		er steers and	heifers sold	5 wf/bwf hfrs 6 blk/bwf hfrs 5 blk hfrs 7 blk hfrs	577 @ 130.00 595 @ 130.00 624 @ 128.50 650 @ 128.00	1 bwf cow 2 blk cows 1 blk cow 1 blk cow	1560 @ 73.00 1230 @ 72.50 1625 @ 70.50 1375 @ 69.00	4 blk cows 1 blk cow 1 blk cow 1 blk cow	1040 @ 59.00 1235 @ 58.50 1065 @ 58.00 1175 @ 55.00	1 blk bull 1 wf bull	BULLS 1905 @ 96.50 1855 @ 92.50
STEER & BU	LL CALVES	60 mix strs	927 @ 122.50	4 wf/bwf hfrs	565 @ 127.50	1 blk cow	1505 @ 67.50	2 blk/red cows	940 @ 53.50	1 blk bull	2215 @ 90.00
5 wf strs	345 @ 170.00	11 blk/red strs	760 @ 122.00	10 blk hfrs	600 @ 126.00	1 blk cow	1410 @ 67.00	1 blk cow	905 @ 53.00	1 blk bull	2040 @ 89.50
9 wf strs	456 @ 158.00	15 x-bred strs	854 @ 114.00	2 blk hfrs	590 @ 125.00	3 blk/bwf cows	1450 @ 66.00	1 wf cow	1485 @ 52.00	1 blk bull	1465 @ 80.00
2 blk bulls	535 @ 146.00	3 blk strs		7 blk hfrs	646 @ 119.50	1 blk cow	1475 @ 65.50	1 11 001	1100 0 02.00		
2 wf strs	545 @ 137.00	61 mix strs	1014 @ 111.75	7 blk hfrs	809 @ 112.00	3 blk/bwf cows	1525 @ 65.00	COW/CA	FPAIRS		
		2 blk strs	1120 @ 93.50	59 mix hfrs	852 @ 111.00	1 blk cow	1415 @ 64.50	3 mix cows/cvs	@ 1150.00		
STOCKER & FE	EDER STEERS			3 blk hfrs	812 @ 109.00	1 blk cow	1360 @ 64.00	0 111/2 00/03/070	@ 1100.00		
11 blk/bwf strs 581 @ 149.00 HEIFER CALVES			5 DIK HITS	012 @ 109.00	1 red cow	1090 @ 63.00	CONTOTO				
4 wf/bwf strs	638 @ 138.00	1 blk hfr	350 @ 151.00	COWS & HE	IEEDETTES	1 blk cow	1200 @ 62.50	CONSIG		5 FUR	R JUNE 23:
14 blk strs	664 @ 137.50	16 wf/bwf hfrs	517 @ 138.50	12 blk/bwf hfrts	1073 @ 81.00	1 blk cow	1265 @ 62.00	• 50 black	steers & heit	fers 500	-600 lbs., vacc.
2 wf/bwf strs	593 @ 133.50	10 blk/bwf hfrs	533 @ 137.50	5 blk/bwf hfrts		1 blk cow	1265 @ 62.00			•	·
61 blk/bwf strs	871 @ 132.75	1 blk hfr	420 @ 137.00		1055 @ 77.50 1175 @ 75.50			• 60 black	heifers, 825-	850 lbs.	
17 blk/red strs	708 @ 132.50	1 blk hfr	425 @ 137.00	1 blk cow		4 blk/bwf cows	1220 @ 61.00	• 130 black	steers 850	-975 lbc	off grass
58 blk/bwf strs	868 @ 128.75	2 blk hfrs	510 @ 127.00	1 blk cow	1050 @ 75.00	1 hol cow	1890 @ 60.00				U
74 mix strs	842 @ 126.25		010 0 121.00					• 130 black	steers, 850	-900 lbs	off brome
6 blk/char strs	763 @ 125.50	STOCKER & FE	FEEDER HEIFERS WATCH OUR AUCTIONS						•		·
60 x-bred strs	858 @ 124.00	1 blk hfr	550 @ 133.00								0 lbs., off brome
55 mix strs	860 @ 124.00	1 blk hfr	575 @ 130.50		: UN DVA	Auctions.c	;om	• 61 black	crossbred st	eers. 950	0-975 lbs.
			010 0 100.00					01 brach			

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