Kansas Soybean opens 2022 Yield and Value Contests

The Kansas Soybean Association is calling all soybean farmers in Kansas to enter their competitive soybean crop into the Kansas Soybean Yield Contest by December 1.

"Crop conditions varied across Kansas this growing season, so we are interested in seeing yields soybean producers are able to achieve," Kim Kohls, contest committee member, says. "Also, this year's contest offers great incentives for individuals to submit entries." New to the 2022 Yield and Value Contests, the Kansas Soybean Association will sponsor three participants to attend Commodity Classic in March 2023. First place in both contests, as well as one randomly drawn participant who entered both contests, earns the trip.

The Kansas Soybean Commission sponsors a monetary prize for the top three finishers in each district, as well as an additional \$1,000 for the overall dryland and irrigated winners and any who top the 114.3 bushel-per-acre record. The amounts per district are that first place receives \$300, second receives \$200, and third receives \$100. All participants receive a t-shirt for entering.

Districts are determined by region, tillage method and irrigation status, with a total of 18 districts in consideration. No-till on the Plains supplies additional awards in the no-till categories. Farmers may enter multiple categories, but only one entry per field.

Eligible fields must consist of at least five contiguous acres as verified by the Farm Service Agency, GPS printout or manual measurement. A non-relative witness, either Kansas State Research and Extension personnel or a specified designee, must be present at harvest and should ensure that the combine grain hopper is empty prior to harvest. Official elevator-scale tickets with moisture percentage and foreign matter included must accompany entries to be considered.

The statewide Kansas Soybean Value Contest that analyzes protein, oil and other soybean qualities is also open for entries. Entrants submit 20ounce samples, which are evaluated by Ag Processing, Inc. to determine the value. Monetary awards are also given to the three highest-value entries. Farmers may enter both the yield and value contests.

Results of the contests are to be shared January 11, 2023, at the Kansas Soybean Expo in Topeka.

A full guide of contest rules and regulations, as well as the digital entry form, is available at kansassoybeans.org/ contests. Questions may be directed to the Kansas Soybean office by phone at 877-KS-SOYBEAN (877-577-6923) or to local KSRE offices.

Asian Longhorned Ticks and Theileria: What you need to know

By Dr. Thack Winslow, DVM

The Asian Longhorned Tick has been identified in 11 states across the U.S. in the past five years and continues to spread. With the new tick species comes the tick-borne disease, Theileria orientalis (Ikeda genotype) "Ikeda," which can be fatal to cattle.

While there is not an effective treatment for Ikeda, understanding the disease, the tick species and the relationship between the two will facilitate taking proactive measures for prevention and management that can help to protect your cattle herd. Understanding Theileria

orientalis (Ikeda genotype) "Ikeda"

Ikeda is a protozoal disease that attacks red blood cells. It has been endemic in Australia and New Zealand for the last two decades, and while cattle are the target species, sheep can also be potential carriers. To date there is no approved treatment for Ikeda in cattle nor an effective vaccine.

Ikeda is most efficiently transmitted through the saliva from feeding ticks, however the sharing of needles and other means of transferring blood between animals have been demonstrated as competent modes of spread. The incubation period is one to three weeks and once in a herd with ticks present, Ikeda tends to spread rapidly reaching a herd infection rate of 80% or more in a matter of just 30 days. On the other hand, death loss is typically below 5% and drops to near zero as the disease stabilizes in the herd with new naïve herd additions being most susceptible. Abortions have been documented in late pregnancy and unlike Anaplasmosis, young animals can have clinical disease

in addition to adults. Understanding the Asian Longhorned Tick

The Asian Longhorned Tick was first identified in the Mid-Atlantic and Southeastern states in 2017 but was later discovered to have been in the U.S. seven years prior. The female ticks are parthenogenetic, which allows them to reproduce at rapid rates without mating. Currently no male ticks have been identified in the U.S.

Asian Longhorned Ticks are smaller in size like deer ticks — and without close examination they are difficult to observe on cattle. They tend to have affinity for the head, ears, under the tail, axilla and flanks. When a herd is infested with the Asian Longhorned Tick they will be found in large numbers on nearly all animals, and it's not uncommon to find swarms of ticks on a single animal, especially around the head and ears. If you suspect the tick on your cattle, contact your veterinarian. Extension agent or state veterinarian for assistance in identification.

The Asian Longhorned Tick can survive off the animal for up to six months and feeds on three individual hosts to complete its life cycle. While it is tolerant of the cold, it does not survive well in hot, dry climates. Because of this, the tick is anticipated to move north, but the spread west will likely stop near the Missouri river.

Cattle are the predominant host species for Ikeda and once infected are considered lifelong carriers. Ikeda infected ticks transmit the disease to cattle which then transmit the disease on to more feeding ticks. The Asian Longhorned Tick is a multi-host tick, meaning it feeds on and can be transported by multiple animals, including wildlife, during each of its three different phases of its growth.

At this time, the Asian Longhorned Tick is the only known vector for Ikeda in the U.S.; however, research is currently being conducted to determine if other endemic ticks can serve as competent vectors. The geographic spread of Ikeda can be assumed to be either the result of infected cattle movement or the relocation of infected ticks while on cattle or wildlife hosts including birds. Tips for management and

mitigation

Once discovered, Ikeda is nearly impossible to eradicate because the tick serves as a persistent vector. It's important for producers to implement control measures that focus on biosecurity and tick control. When it comes to biosecurity, it is best achieved in closed herds which isolate and test new animals coming into the cattle herd. Adding a blood test for Theileria orientalis (Ikeda genotype) to the checklist can help mitigate bringing any infected cattle on to your operation.

A solid tick control program is one of the best things a producer can implement to minimize the risk of the Asian Longhorned Tick and Ikeda and prevent their introduction into the herd from wildlife or adjoining cattle. It is believed that the higher level of exposure, the more severe the Ikeda infection can be.

A tick control program consists of two target control points: The environment and the animal. Environmental control is challenging and consists of brush and vegetation management through limiting access and controlled burning. Producers should consider cutting down pastures, trimming brush and fencing off heavily wooded areas. In some cases, spot spraying can be implemented.

On-animal treatment is often the most practical and effective. Total wetdown with high pressure spraying, spray boxes or dipping vats are preferred, but require facilities and equipment specific for implementation. Back-rubbers and oilers are more convenient and are most effective with forced daily usage by setting them up across access points to water or mineral. Insecticide ear tags will help control ticks in the ears and around the head but will have minimal impact on the rest of the body compared to other methods.

If injectable or pouron macrocyclic lactone dewormers are used to treat cattle for internal parasites, there can be an added benefit of some tick control. However, it is of utmost importance to avoid overuse and never select these products solely for Asian Longhorned Tick control as long-term herdwide exposure is the leading cause of resistance causing huge potential economic loss from ineffective treatment of both internal and external parasites in the future.

As we continue to see the inevitable spread of the Asian Longhorned Tick and Theileria orientalis (Ikeda genotype), it's important for producers to take prevention measures seriously to minimize economic impact. To learn more about implementing tick control protocols on your operation, talk with your veterinarian or your Elanco representative.



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-		— ONI	LINE BID	DDING	G AVAILA	BLE AT	LmaAu	ICTIONS.C	юм —		
For our sale held	on Friday, Aug	ust 26th, stocker	HEIFER CA	ALVES — 4	450-525 LBS.	Westmoreland	1 blk	1730@99.00	BUL	LS — 1,100-2	,100 LBS.
feeder steers and	heifers were	in very good de-	Manhattan	10 blk	466@199.00	Alma	1 blk	1180@98.00	Onaga	1 blk	1940@125.
mand at \$2-\$4 hi	gher prices on	the kind offered.	Westmoreland	5 blk	521@193.00	Alma	1 blk	1015@97.00	Leonardville	1 Simm	1945@123.
Light weight cattl	e were in very s	hort supply. Cull	Leavenworth	5 blk	503@184.00	Wamego	1 blk	1720@95.00	St. Marys	1 blk	2080@115.
cows and bulls s	old \$2-\$4 high	er. We had some	Cedar Point	7 blk	517@173.00	Havensville	1 blk	1350@94.50	Riley	1 Simm	2015@115.
quality Fall bred I	neifers which w	ere finding good				Randolph	1 blk	1390@93.50	St. Marys	1 blk	1845@114.
interest.			HEIFER	S — 550-1	,000 LBS.	Cedar Point	1 blk	1430@92.00	Frankfort	1 Cross	1115@110.
STEEF	RS — 500-950	LBS.	Manhattan	14 blk	559@190.50	Riley	1 blk	1390@90.50			
Leavenworth	9 blk	523@217.00	Leavenworth	15 blk	606@187.50	Basehor	1 blk	1245@89.50	BRED 1ST	CALF HFRS	& BRED COWS
Manhattan	6 blk	498@215.50	Eskridge	12 blk	679@187.00	Wamego	1 blk	1350@89.00		AG	E BRED
Wamego	4 blk	538@208.00	White Clty	21 blk	670@184.50	Basehor	1 blk	1200@88.50	Spring HIII	37 blk 2	7-8 @1900.
Cedar Point	5 blk	546@198.00	Wamego	7 blk	627@184.00	Cedar Point	1 blk	1190@86.00	Billings, MT	20 blk 2	7-8 @1900.
Council Grove	7 blk	634@210.00	Council Grove	15 blk	640@182.50	Basehor	1 blk	1390@85.00	Billings, MT	10 blk 2	7-8 @1725.
Leavenworth	14 blk	637@207.50	Eskridge	9 blk	630@182.00	Cedar Point	1 blk	1305@84.50	Atlanta	12 blk 6-7-	8 7-8 @1675.
St. George	4 blk	631@206.00	McLouth	5 blk	672@181.00	Perry	1 blk	1205@82.50	Atlanta	9 blk SS	7-8 @1560.
Wamego	13 blk	657@205.00	Leavenworth	14 blk	737@180.00	Dwight	3 blk	1060@80.00	Atlanta	10 blk SS	7-8 @1550.
White City	16 blk	620@201.50	White City	4 blk	556@180.00	Manhattan	1 blk	1085@79.50	Ozawkie	3 blk 4-6	6-4 @1550.
Grantville	5 blk	629@200.00	Randolph	17 blk	702@179.50	Dwight	1 blk	1095@78.00	Ozawkie	3 blk 3	5-6-7 @1500.
Cedar Point	8 blk	660@197.00	Cedar Point	13 blk	615@178.00	Onaga	1 blk	1175@77.50	Riley	3 blk 2	7-8 @1475.
Grantville	7 blk	570@195.00	Alma	10 blk	631@178.00	Dwight	1 blk	1025@77.00	Atlanta	4 blk BN	1 7-8 @1225.
McLouth	7 blk	763@194.00	Cedar Point	13 mix	692@177.00	Riley	1 blk	1060@76.00			
Manhattan	10 blk	588@190.00	Westmoreland	70	749@177.00	Dwight	1 blk	1175@74.50		BABY CALV	'ES
Manhattan	11 blk	715@189.50	Council Grove	5 blk	782@175.00	Onaga	1 blk	1025@73.50	Havensville	1 blk	@325.
Alma	18 blk	700@187.25	Manhattan	4 blk	650@174.00	Cedar Point	1 blk	960@71.00	Perry	1 blk	@310.
Cedar Point	21 blk	703@185.50	McLouth	8 blk	787@172.00	Spring HIII	1 blk	960@69.00			
Westmoreland	36 blk	750@185.50	Alta Vista	4 blk	673@172.00	Cedar Point	1 blk	825@66.00			
Randolph	17 blk	687@185.00	Wamego	6 blk	750@171.00						
White City	35 blk	777@184.75	Onaga	6 blk	995@159.00	EARL	Y CON	ISIGNM	ENTS	FORS	5EPT. 2
McLouth	15 blk	853@183.50	Frankfort	4 blk	936@158.00			SELLING AT	11:00 A	M	
Leavenworth	9 blk	798@183.00	Winchester	5 blk	570@155.00						14
Alma	21 blk	790@179.50	Onaga	4 blk	735@154.00			s, 7-8 yrs, bred Re			
Randolph	10 blk	633@179.00	Prairie Village	4 Cross	810@154.00			(3-5 yrs) bred Ang			2 /
Onaga	7 blk	734@178.00						Fall bred 1st calf		/, high calving	ease Registere
Randolph	16 blk	811@177.00	COWS & HEIF	ERETTES —	725-1,750 LBS.	Angus bulls for	or 60 day calvir	ng period starting S	Sept 1.		
St. George	7 blk	753@174.00	Nortonville	2 Herf	730@150.00	50 mostly blk	Angus feedor	hfrs, off grass, 850	-900 lbs		
Alma	13 blk	851@173.00	Billings, MT	1 blk	790@146.00			ed 100+ days, 650			
Council Grove	11 bwf	743@172.00	Frankfort	1 blk	1225@121.00		,				
Alma	57 Cross	943@170.00	Frankfort	1 bwf	1210@117.00			ed 100+ days, 650	-750 IDS.		
Alma	8 Herf	933@165.00	Frankfort	1 blk	1110@112.00		hfrs, off grass,				
Onaga	14 blk	845@163.00	Wamego	1 Cross	1050@112.00		sus, on grass,	weaned 30 days,	100-000 IDS.		

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Grass & Grain, August 30, 2022 Page 14 Hulse, Southwind District win Kansas 4-H Livestock Sweepstakes

Approximately Kansas 4-H members from 66 counties participated in the 2022 Kansas 4-H Livestock Sweepstakes Aug. 20-21, hosted by Kansas State University's Department of Animal Sciences and Industry.

Throughout the weekend, 4-H members participated in the state livestock judging contest, meat judging contest, livestock skillathon and livestock quiz bowl.

Individually, 4-H members who participated in all three activities (livestock and meat judging. and skillathon) were entered in the Kansas 4-H Livestock Sweepstakes. August Hulse from the Central Kansas District was named the top individual, followed by:

2nd - Lyle Perrier,

Greenwood County 3rd - Aidan Yoho, Southwind District

4th - Calley Stubbs, Sunflower District 5th - Weston Schrader,

Central Kansas District 6th – James DeRouchey,

Pottawatomie County 7th - Lane Higbie, Fron-

tier District 8th - Cecillia Newby,

Wildcat District 9th - Tanner Hommertz-

heim, Sedgwick County 10th - Tate Crystal,

Southwind District Southwind District No.

2 won the Livestock Sweepstakes Champion Team Award with the best combined team performance in livestock judging, livestock skillathon, livestock quiz bowl and meat judging. Teams in the top five included Wildcat District No. 1, second; Frontier District No. 1, third; Central Kansas District No. 1, fourth; and Pottawatomie County, fifth.

Individual and team placings are posted to the

NEW STRAWN CONSIGNMENT AUCTION MONDAY, SEPTEMBER 5, 2022 - 9:00 AM East side of Hwy. 75 at NEW STRAWN, KS (across from Casey's) Equipment, Vehicles, & Misc. will be lined in rows together. FOOD ONSITE: Hogman's BBQ, Waverly, KS

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Gooseneck Livestock Trailers 2014 Nissan Altima 76,000 actu al miles; 94 Honda 4x4 Mini Truck (NICE); 2016 Polaris Ranger XP900 4x4, 1 owner (NICE) 97 Polaris Magnum 4 Wheel er; SKID LDRS: Bobcat 7753 2460 hrs (NICE); JD 250 Series 2, only 90 hrs; HORSE DRAWN EQUIPMENT, most would be usable, plows, cultivators, curl-er, planter, etc.; MOTOR HOME: Coachmen Aurora 34' w/2 slide outs, 47,000 actual miles clean!: LIVESTOCK EQUIP GWS 1 ton portable Bin; Nutrena 2 sided Creep Fdr; Small Stain less Hog Fdr; Round Hog Fdr Portable Loading Chute; Bunks Bale Rings, etc; Welders; Gas & Elec. Air Compressors; 500 ga Fuel Tank & pump; Welding Bec off 1-ton; B&W bale bed; Tools Misc Farm Items: HAY: Round Net Wrapped Prairie & Round New Wrapped Grinding Hay *Plus lots More!!*

See www.kansasauctions.net/kurtz for pictures & updated listing of late consignments! **Check us out on FACEBOOK: "New Strawn Consignment Auction" SALE MGR: Brett Skillman: 620-490-0520 Roy Skillman 620-490-0080 Aaron Skillman (loading & unloading) 620-490-0227 ry Hermon 620-256-6771 * Richard Newkirk 620-203-0065 Larry Hermon 620-256-6771 AUCTIONEERS: Darwin W. Kurtz, 785-448-4152 • Paul Hancock: 620-340-5692

DONNA SURPRISE ONLINE AUCTION - (Lyons, KS)

Ms. Surprise is moving so selling the personal property that she does not want to move through 2 online auctions. Auction #1 consists of: Collectible Jewelry, Christmas decorations, bed and quilting frames, chest of drawers, Bookcases, books, linens, power & hand tools, garden & patio items that she does not need, to the highest bidder. Did I mention THERE ARE LOTS OF BOOKS? The auction will be uploaded over the weekend with ALL merchandise selling to be uploaded by Aug 31st.

ONLINE BIDDING OPENS: Thursday, September 1, 8:00 a.m. ONLINE BIDDING BEGINS SOFT CLOSE: Wednesday, September 7, 8:00 p.m. Pickup is Friday, September 9, 1-7 PM

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Top ten Livestock Sweepstakes Individuals pictured from left are: August Hulse, Central Kansas District, first; Lyle Perrier, Greenwood County, second; Aiden Yoho, Southwind District, third; Calley Stubbs, Sunflower District, fourth; Weston Schrader, Central Kansas District, fifth; James DeRouchey, Pottawatomie County, sixth; Lane Higbe, Frontier District, seventh; Cecilia Newby, Wildcat District, eighth; and Tate Crystal, Southwind District, 10th. Not pictured is Tanner Hommertzheim, Sedgwick County, ninth.

Kansas State Youth Livestock Program website https://bit.ly/3lhPdjK and http://www.judgingcard. com. The team champions

and livestock quiz bowl will represent Kansas at their respective national the Judging Card website, for the livestock skillathon 4-H contest later this fall.

Kansas also will be represented by an all-star team at the national 4-H livestock judging contest in Louisville, Ky. Based on their performance in the state livestock judging contest, a group of 20 young people was selected to advance to the team selection process. This will include a series of livestock evaluation workshops and opportunities provided by the K-State livestock judging team.

This is the second year Kansas will be represented by an all-star team at the national 4-H meat judging contest during the American Roval. The top ten kids will participate in several educational opportunities and meat evaluation workshops with the K-State meat judging team throughout the fall as part of the all-star team selection process.

The Kansas 4-H Livestock Sweepstakes program is also sponsored by Kansas Pork Association, Kansas Beef Council. Kansas State University College of Agriculture. Konza Veterinary Clinic, Ag Tech, Lyons Ranch, Judd Ranch and Farm Talk.

Women in agriculture workshop to provide tools to manage anxiety

A two-part virtual workshop hosted by Nebraska Extension's Women in Agriculture program in September will focus on managing and working through anxiety.

"Breaking Down Anxi-

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ety: Tools to Help You Live a Less Anxious Life," will hold its first session from 1 to 3 p.m. Central time on Sept. 8. The second session is scheduled for 1 to 2 p.m. Central time on Sept. 29

Ashley Machado, a mental health consultant who works primarily with agricultural professionals and their families.

"Sometimes anxietv can feel all-consuming, like you're on a train you don't want to be on and you don't know how to get off. Other times it can feel like there's a light at the end of the tunnel, but you keep getting stuck on a hamster wheel," Machado said.

The workshop will discuss how anxiety shows up, why it can be a reaction to uncertainty, and offer advice for develop-

It will be facilitated by ing skills to manage anxietv and its effects. Machado is an advocate

of rethinking the ways that we support mental health in the agriculture industry and specializes in breaking down big ideas and deep feelings into simple, actionable strategies. She applies 15 years of experience to helping individuals and organizations in agriculture to develop the tools they need to maintain good mental health and operate and live fully.

Machado holds a bachelor's degree in human development and a master's in social work with an emphasis in clinical mental health. She grew up in the dairy industry and now lives in California with her husband, a rancher and almond farmer.

The workshop will be held via Zoom and participants should plan on attending both sessions. Registration is \$20 per person and can be completed on the Nebraska Women in Agriculture website. https://wia.unl.edu.

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Tract III at the NE corner of 85th & Adams Road.

INFORMATION & BIDDING*

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Sunday, September 11, 1-3 PM

TRACT I: 80 AC.+/- with improvements - 424 SE 85th

TRACT III: 160 AC.+/- Mostly Native Grass Pasture

TRACT II: 80 AC.+/- with improvements - 626 SE 85th

INSPECTION DATES: Tuesday, September 6, 5-7 PM &

SATURDAY, SEPTEMBER 10, 2022 — 10:00 AM LOCATION: 1000 West Scott St, Gage County Fairgrounds, 4-H Inc Building - BEATRICE, NEBRASKA

COCA COLA COLLECTIBLES (100s of items!): (2) Ertl 22" long Coca Cola semi-trailer (1) Precision; 36" chrome "Enjoy Coca Cola" logo round pedestal table w/2-chairs & 2-stools; red metal 30" 5-tier display stand "Al-ways Coca Cola"; white metal 28" 5-tier display stand "Enjoy Coca Cola": red 4-tier bakers rack: (6) Ertl small trucks & others; (22) sport figurines; Sakura 8-Pc stone ware plate setting w/des-sert/salad bowls & cream & sugars; Gibson lunch plates & soda mugs; wood framed glass ad; dome top 12" counter-top radio; wall mount 14" clock w/neon high light; 12" tall ice maker; 5-cent wall mount metal cup holder; wooden wall sign w/coat hooks; plastic 4-tier display; miniature 4-chair ice cream set; homemade 4-wheel cart; 5-cent stand on rollers; pool cue, 1999; (14) cookie jars; 36" 25-cent gumball machine; Dale Earnhardt, Revelle 5-Pc train set w/cars 1# & 5-Pc canister set; Peterbilt 359 Ultra semi; 5' lighted Coca Cola ornament decorated tree; (4) 4 to 10" pitchers; stemmed soda glasses; soda fountain; numerous musical boxes; (3) clock w/bear; #12833 soda Stine; straw canisters; openers & utensils; salt & peppers; 2008 Christ-mas bottle bulbs; decorative tins; condiment containers; metal 6-Pak carrier w/wooden handle; (9) metal lunch plates; (2) metal Diet Coke ice containers; 2-horse team w/iron wagon; new playing cards; china plates; ice bucket; "10-cent" S&Ps; S&Ps w/ metal & wire pedestals; flat top plastic cooler; Anniversary clock;

small wall mount juke box; metal airplane; 11" glass straw canister; wall thermometer; stained glass telephone; cooler tooth pick dispenser; (15) decorator tins; (2) 3/4" 5-cent marbles; wall mount telephone; alarm clock; "Coke Is It" 1982 Husker Big Red record; Coke table cloths; cola bottle handled flat ware: relish trays; metal ad trays; 38' cardboard truck display; miniature 3-wheel tricycle; table lamp Franklin Santa plates; numerous glass sets & mugs; (5) Match Box 1950'2-60s cars; framed piece puzzle 38"x47"; wooden soda cases; inflatable plastic Coke can; numerous lighted Coke items; Santa Claus Husker collectibles 2004-2020 and SO MANY MORE COCA COLA ITEMS.

ANTIQUE & COLLECTIBLES: Vintage wooden door w/21"x27" frosted/etched glass lady; vin-tage stained glass 19"x24" window; counter top Hardware beam scale w/weights; Fairbanks No. 11 brass 5-bar platform scale (Excellent); New Perfection 3-burner oil stove; Store Kraft MFG Co. oak stave shellac barrel w/Logo (Excellent Condition); McLaughlin's tin 22" tall coffee bin; tin wood bread boxes; metal "Enjoy Coca Cola" 36"x45" sign Coca Cola metal wall mount 28' bottle thermometer; 10" Planters Peanuts clear glass jar w/ peanut handle; "Virginia Farmers Co-op" metal thermometer ad frame; (2) "Bargman's Grocery" 1963 & 64 Crab Orchard calendars; "Garrets Mobile Service", Burchard calendar; "Rockford Mercantile" 1980 calendar; Ar-

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BUDWEISER STEIN **COLLECTION ** (All IN GOOD CONDITION)

Grass & Grain, August 30, 2022 Page 15 Sharda awarded USDA grant to develop irrigation strategies in eastern Great Plains

Vaishali Sharda, assistant professor of biological and agricultural engineering at Kansas State University, has received a U.S. Department of Agriculture grant to develop water and nutrient management strategies to aid in managing climate risks and preserving resources in the eastern Kansas River Basin.

Sharda is the K-State lead for the four-year, \$750,000 project, "Irrigation at the new 100th Meridian: Adaptation to manage climate risks and preserve water resources in the Eastern Kansas River Basin," alongside co-principal investigator Katherine Nelson, assistant professor of geography at



Vaishali Sharda, assistant professor of biological and agricultural engineering at Kansas State University, recently received a USDA grant to address irrigation in eastern Great Plains.

K-State. The pair will work collaboratively with the principal investigator on the project, Sam Zipper, and Erin Seybold from the University of Kansas Center for Research/Kansas Geological Survey.

The project aims to help the region adapt to current and future changes in climate as the 100th meridian, which separates the arid western United States from the humid eastern half of the country, shifts eastward. The hydroclimatic conditions characterizing the 100th meridian are expected to continue to migrate eastward throughout the 21st century.

"This 'new 100th meridian' caused by eastward aridification will introduce novel climate risks and require new management strategies, such as the expansion of irrigation, for a large U.S. agricultural region," Sharda said. "Our goal is to develop water and nutrient management strategies that can enhance crop productivity, protect water quantity and quality, and sustain agricultural communities in the face of these novel climate risks in the eastern Great Plains."

Sharda said the group will identify potential climate risks faced by agricultural producers in the region, develop a range of effective water and nutrient management strategies, and quantify the agronomic and hydrologic outcomes for each scenario. The project will also provide a fundamental understanding of how the interconnected groundwater-surface water system responds to climate change and management practices at the field scale. and predict water quantity and quality outcomes for future climate and management scenarios.

"We will generate maps of community resilience for all climate and adaptation scenarios modeled in this study to identify 'hotspots' of concern across the region," Sharda said. "The project will identify sustainable transition pathways for the

agricultural communities of the region to manage emerging climate risks without depleting or degrading water resources."



make it through Want to winter? an now

By Paul Beck, Oklahoma **State University Extension**

Worries about drought and how to make it through the winter with limited or no stored forage have monopolized most cattlemen's thoughts, energy and time. There are some critical steps that need to be made to make it through the colder months.

The first priority is to reduce the stocking rate on the ranch to a level that can be sustained through the rest of the summer and into the fall.

• If you keep or purchase stocker calves to utilize extra grass, this may be the time to sell calves early or send calves to a grow yard or feedlot. Using stocker calves as part of the "normal" stocking rate of the ranch allows for producers to be flexible for drought and other adverse weather events. Many operations use 30%-50% of their summer forage for stockers in normal years. When forage production is limited, these calves can be marketed to reduce culling of the cow herd.

• Also consider selling replacement heifers. These females will not provide a marketable calf for more than a year. In the current situation, these cattle may be too much of a drain of resources.

• Cull the cow herd to a number that you can afford to winter by getting rotational grazing system in the future and may have the additional benefit of increased pasture health and improved harvest efficiency. Keep cows on a smaller area of your farm while you are feeding hay; this sacrifice paddock will allow much of the ranch a rest and concentrate the nutrients from hay feeding

These steps may not be palatable, because we may have to change the way we do things. It may take more work than what we want to put in. It may cost more than we want to spend. Yet, our overarching goal should be to have an intact cattle operation when we get through this dry spell. **Proactive steps for winter** feeding

Determine how much hay you have and how much you can feed daily for the expected feeding period. If you have as little as ten pounds of hay available per cow-day, you may not have to purchase more hay or roughage to provide a balanced diet to your cows.

Test your hay or other roughage source. It is impossible to determine what your cows will require without some knowl-

edge of the quality of what you are feeding them. Hay is variable and moderate to low in protein and energy. Crop residues are more variable and generally low in protein and energy.

Consider planting warm-season annuals as a grazing crop in the late summer to fill gaps in early fall forage. Warm-season annuals can produce four to five tons of dry matter per acre in 45 days when planted in late summer. Grasses like corn and millets do not produce prussic acid when under stress, which can be a concern for sudangrass, Johnsongrass and sorghums when frosted.

Plant cool-season annual grasses in your pastures. The subdivided pastures you created are a great place to establish complementary forages. If you keep the cows off these pastures until they are six to eight inches tall, they will provide excellent forage for use in the winter or early spring, which will decrease hay feeding and can be used as an early hay or silage crop.

Balance a supplement or feeding program that makes sense in your operation. There is no "one

size fits all" feeding program for every cow herd. Feeding monensin to

beef cows has been shown to decrease forage intake 8% without affecting cow body weight or body condition.

Although these steps are not easy and will require thought and some work, if your goal is to keep your operation intact and profitable, they are well worth the effort.

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rid of old cows, less productive cows and/or cows that have higher nutrient requirements. Cows that are expected to calve in the fall will require more nutrients to keep them in proper condition, and a higher level of nutrition equates to higher cost of winter feeding. The number of cows remaining may be the actual sustainable long-term carrying capacity for your operation.

 Cross-fence your farm now before you have to start feeding hay. You will be surprised how much forage growth you will have if you allow pastures to rest. Once you have the farm subdivided, you can utilize these pastures in a



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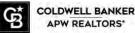
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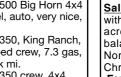
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Kansas Hay Market Report

Compared to the last report, the hay market remained mostly steady and demand remained very good for all types of hay. Rain remained elusive but cooler temperatures helped slow down evaporation of any remaining soil moisture. According to the U.S. Drought Monitor for August 16th, light rainfall, at best, fell on Kansas with little or no rain falling on central and southern regions. As a result, dryness persisted or intensified in those areas. Abnormally dry conditions (D0) increased to 14%, moderate drought (D1) decreased to 15%, severe drought (D2) remained near 26%, extreme drought (D3) increased to 21%, and exceptional drought (D4) increased to near 11%.

Southwest Kansas

Dairy alfalfa, grinding alfalfa, ground and delivered steady, movement moderate. Alfalfa: horse, supreme small squares new crop 12.00/bale. Dairy 1.30-1.40/point RFV, Supreme (185rfv-200rfv) 240.00-280.00, Premium (175rfv - 185rfv) 230.00-260.00, Good (150rfv-170rfv) 195.00-240.00. Good, Stock or Dry Cow 280.00-285.00. Grinding alfalfa, large rounds, new crop 230.00-245.00, new crop large square 3x4's and 4x4's 255.00-265.00. Ground and delivered locally to feed lots and dairies 260.00-285; Grass Hay: Bluestem, large rounds 165.00-175.00 delivered. The week of 08/14-08/20, 9,744T of grinding alfalfa and 500T of dairy alfalfa was reported bought or sold.

South Central Kansas

Dairy alfalfa, ground and delivered, alfalfa pellets steady, grinding alfalfa mostly steady, movement moderate. Alfalfa: horse, small squares 255.00-275.00. Dairy 1.30-1.40/point RFV, Supreme (185rfv - 200rfv) 240.00-280.00, Premium (175rfv - 185rfv) 230.00-260.00, Good (150rfv-170rfv) 195.00-240.00. Good, Stock cow, new crop 250.00-280.00. Fair/good grinding alfalfa, new crop large rounds 210.00-220.00 delivered, 3x4 and 4x4's 235.00-245.00 delivered. Ground and delivered 225.00-240.00; Alfalfa pellets: Sun cured 15 pct protein 255.00-265.00, 17 pct protein 260.00-270.00, Dehydrated 17 pct 310.00-315.00. Grass Hay: Bluestem, small squares 160.00-165.00, large squares 3x4's, old crop 120.00-130.00, new crop 3x4's 130.00-140.00, large rounds 100.00-110.00. Brome: small squares, 9.00/bale, 3x4's 145.00-155.00, large rounds 135.00-140.00. Sudan: large rounds 160.00-170.00. Wheat straw: 95.00-105.00. The week of 08/14-08/20, 5,750T of grinding alfalfa and 2,550T of dairy alfalfa was reported bought or sold.

Southeast Kansas

Dairy alfalfa, grinding alfalfa *steady, bluestem grass hay 10.00-20.00 higher, movement slow to moderate. Alfalfa: horse or goat, 260.00-270.00. Dairy 1.30-1.40/point RFV. Good, stock cow 220-230.00. Fair grinding alfalfa, 170.00-180.00; Grass hay: Bluestem, small squares 135.00-145.00, good 3x4 squares 140.00-150.00, large round 120.00-130.00, Brome, large rounds 140.00-150.00, 3x4 and 4x4 squares 150.00-175.00. The week of 08/14-08/20, 1,374T of grass hay was reported bought or sold.

Northwest Kansas

Dairy alfalfa steady, grinding alfalfa steady, movement slow. Alfalfa: Horse or goat, small squares 300.00-400.00 delivered, 3x4 squares 250.00-260.00. Dairy, Premium/Supreme 1.30- 1.40/point RFV. Stock cow, fair/good 225.00-235.00. Fair/good grinding alfalfa, 195.00- 205.00 picked up out of the field.

North Central-Northeast Kansas

Dairy alfalfa steady, grinding alfalfa, ground/delivered and grass hay steady, movement slow. Alfalfa: horse, premium small squares, 11.50-12.50/bale. Dairy 1.30-1.40/ point RFV. Supreme (185rfy - 200rfy) 240.00-280.00, Premium (175rfv-185rfv) 230.00-260.00, Good (150rfv-170rfv) 195.00-240.00. Horse hay, 3x4's 290.00-300.00; Stock Cow 3x4's 205.00- 235.00. Fair/good, grinding alfalfa new crop 205.00-215.00, good, large square 3x4's 235.00-245.00; Ground and delivered, old contracts 175.00-190.00; Grass hay: Bluestem, small squares 8.00-9.00/bale, large 3x4 squares 145.00-155.00, good large rounds new crop 120.00-130.00, Brome: small squares 8.50-9.50/bale, new crop large rounds 145.00-155.00; Wheat straw: small squares 6.00/bale, large rounds 95.00-105.00, large squares 110.00-120.00. The week of 08/14-08/20, 679T of grinding alfalfa and 816T 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.

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*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.

K-State vets caution producers about stressed plants and pasture toxins

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

Ask anyone who's had a bout with food poisoning and most will be able to cite the trigger food. Often, they will never knowingly eat that food again.

Much like with humans, beef cattle can also experience sickness and even death when grazing pastures that have plants undergoing stress and releasing toxins such as cyanide and nitrates, said Kansas State University clinical veterinary toxicologist Steve Ensley on a recent Cattle Chat podcast.

"There are two plant-related issues we see depending on the weather and the environment - cyanide toxicosis from prussic acid and nitrate poisoning," Ensley said.

With cyanide, the cattle will show acute clini-

case; WWII pictures; Old Air-

plane pictures; Air plane propel-

ler, 50s; Salesman sample hats & boxes; Boyd's Bears; German

Cuckoo clock; Metal doll fur-

niture; Doll fainting couch; few metal toys; smoking pipes; Old clocks; Childs furniture; Many

sets of child's dishes; (2) Post-

age scales; Old cash register

Printer's drawers; Metal shoe

shine box; Old phonograph

Budweiser steins; Marbles Stained glass window; Doll cra-

dle; Homer Simpson stand-up cut out; 1960s Barbie Dream

house; Coca Cola radio; Disney

clock; Mickey Mouse phone, in

box; Hop-Along Cassidy ther-mos; 1920s wicker doll furni-ture (nice); Precious Moments

figurines; Parish Pictures: 1932

Solitude, Waterfall, Garden of

Alli, Dreaming; Story book dolls;

Elvis doll; Raggedy Ann & Andy dolls; Kreiss figurines (rare);

High chair; Old wall mirror; Cel-

luloid dresser set; Spring rocking

horse; Vogue Jill doll; Jenny dol

& Revion doll; Chatty Kathy doll

Area advertising items, Colby Rexford, Menlo etc.; Hat box

Pajama bag, 50s; Doll clothes; Compacts; Beaded purses; Longaberger basket; Northern

Paper Mill prints & other prints

Address-o-graph; Ludwig drum

set; Cloisonne items; 50s child's

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notes: Series 1899 Indian \$5.00 Series 1899 \$1.00, Series 1907

\$1.00, Series 1890 Eagle \$1.00

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Scooter prints & memorabilia

1973? Cushman Truckster, US

Army, 2speed x 3 speed trans.

tea set; Many other items.

cal signs as soon as 30 minutes after consuming toxic plants, according to Ensley. Those signs include trouble breathing and a change in their movement; in some cases, the first visible sign is death.

If producers observe these symptoms, Ensley said cattle need to be pulled from the feed source immediately to keep the poisoning from impacting other cattle in the herd. He also said a blood sample from the vein of the animal can show what type of toxin the cattle have consumed. 'If the blood is choco-

late-brown, that indicates a nitrate poisoning, while blood that is cherry-red points to cyanide. In some cases, both toxins are at work at the same time," Ensley said.

Aside from removing cattle from the grazing source there is little that veterinarians can do to reduce the risk of death once the cattle have consumed the toxins, said Ensley.

said Brad White, a veterinarian with the Beef Cattle Institute.

"A plant that is stressed can release these toxins, so it is important to monitor the field conditions and if the plants are turning yellow on the leaves that can be a sign of stress," White said. "Another time the plant experiences stress is after the first frost.'

Ensley added that sorghum-sudan grass and Johnsongrass are two examples of plants that are more prone to making cattle sick.

There are some management strategies that can be helpful, said the experts.

"If you green chop it and feed it immediately the cattle should be able to consume it fine however, if you put it in the wagon and feed it the next day the level of cyanide in the plant will be at its peak and could kill them if they ate it," Ensley said. ed levels of cyanide and so after a rain the cattle will want to eat the new growth. That can lead to trouble.

Fields that have been treated with nitrogen fertilizer and then cut for hay can be troublesome to cattle if the nitrogen concentration is too high.

"If you bale the hay and mechanically crimp it, some of the toxins like cyanide will be released in that process," Ensley said. He also recommended ensiling the feed source as it will typically decrease the nitrates by one-third.

When in doubt, Ensley and White recommend testing the feed sources to get the nutrient profile before feeding.

"I don't recommend just putting the cattle out there to see what happens without knowing what they are consuming as it could have a bad outcome" En sley said. To hear the full discussion, listen to the Beef Cattle Institute Cattle Chat podcast online.

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ANTIQUE FURNITURE: Oak stand; Oak dressing mirror; Oak child's desk; Oak child's rocker; Several oak rockers; Waterfall regular size bed; Brass single bed; Oak grand-father clock; Oak book case w/ glass doors; Church pew; Regular size brass bed: Oak ice box, 3-door; 3-drawer oak chest; Buffet; Hamilton Mfg. printer's cabinet, 4-section, full of type; (3) Treadle sewing machines, in oak cabinets; Regular size cedar bedroom set w/4 draw-er chest, dresser w/mirror; Oak PRIMITIVES: 20 gal. Red Wing crock; 25 gal. Red Wing crock; 8 gal. Red Wing crock; 7 gal. Red Wing crock; 8 gal. Red Wing crock; 7 gal. R jugs; Crock bowls; Copper wash boiler; brown, blue, green, clear canning jars; bushel baskets; Enamel coffee pots; cast iron tea pots; Tins; enamel camp dishes; #40 & #50 Dazey glass butter churns; flat top trunk; metal square butter churn; metal coffee grinder; coffee grinder; wash boards; Old radio w/speaker; Tobacco tins; Airline table top radio; milk cans; old wooden wall clock; wooden boxes; glass

coffee jar. GLASSWARE: Tea pot collection; Blue Fostoria glasses; Pur-ple glassware; Biscuit jar; Ink jar; Collector's plates; Red Wing plater; white & blue Depression glass; Lots of Pink Mayfair Depression glass; Blue Modern Tone Depression glass; cups & saucers; Fiesta ware; pink Depression child's dish set; Large set of green Tera ware; wine carafes; York Town Pfaltzgraff pottery, 5 place setting; other lassv

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He also said the re-However, being aware growth in pastures often of the risk can be helpful, carries more concentrat-

USDA investing \$197 million in partnerdriven, locally led conservation efforts tive projects that address

climate change, enhance

water quality, and address

other critical challenges

perts in their fields and

understand the challenges

in their own backyards,"

Agriculture Secretary Tom

Vilsack said. "Through

"Our partners are ex-

on agricultural land.

The U.S. Department of Agriculture (USDA) has announced it is awarding \$197 million for 41 locally led conservation projects through the Regional Conservation Partnership Program (RCPP). RCPP is a partner-driven program that leverages partner resources to advance innova-

AUCTION SATURDAY, SEPTEMBER 3, 2022 — 9:00 AM Offering for sale at Public Auction, located at 736 Park Lane, MOUNDRIDGE, KANSAS

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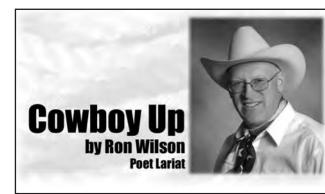
RCPP we can tap into that knowledge, in partnership with producers and USDA, to come up with lasting solutions to the challenges that farmers, ranchers, and landowners face. We're looking forward to seeing the results of public-private partnership at its best, made possible through these RCPP investments."

The projects funded are awarded under two differ-ent RCPP funding opportunities: RCPP Classic and RCPP Alternative Funding Arrangements (AFA). **RCPP** Classic projects are implemented using NRCS contracts and easements with producers, landowners and communities, in collaboration with project partners. Through RCPP AFA, partners have more flexibility in working di-rectly with agricultural producers to support the development of new conservation structures and approaches that would not otherwise be available under RCPP Classic. See the list of 2022

RCPP projects or view the interactive map at https:// www.nrcs.usda.gov/wps/ portal/nrcs/detail/national/ programs/financial/rcpp/?cid=nrcseprd1948235

As part of each project, partners offer value-added contributions to amplify the impact of RCPP funding in an amount equal to or greater than the NRCS investment.

landowners Private can apply to participate in an RCPP project in their region through awarded partners or at their local USDA service center.



Bob

The Statue of Liberty. The Golden Gate Bridge. The Empire State Build-Bob the Hereford ing. bull

Which one of the above does not fit with the others? If you guessed Bob the Hereford bull, you would be right - but just because he's not as famous as the rest. All four of these are longtime landmarks which can be found in a major U.S. city. However, I don't think many people today are even aware of Bob.

On the west side of

Missouri, where it is visible as a person drives east on I-670, stands a 90-foottall pylon surmounted by a figure of a giant Hereford bull.

It is described as a sculpture although it's not bronze or marble. It is a model of an old-time blocky-style Hereford bull, made of fiberglass and polyester resin on a steel frame. He stands nearly 12 feet tall and 20 feet long with horns four feet wide and weighs more than 5000 pounds.

How in the world did downtown Kansas City, a giant bull come to be in Feedlots defy

the middle of a two million-person metropolitan area? Answer: the American Hereford Association.

In 1920, the American Hereford Association became the first cattle breed association to own its own headquarters building. The building was at 11th street in downtown Kansas City, Missouri. The association grew and by the 1950s, needed a new headquarters building. They bought land in an area called Quality Hill which overlooks the West Bottoms area where the K.C. Stockyards were located. The building architect proposed a replica of a giant bull be placed on a tall column outside the building. In 1953, the new AHA headquarters was dedicated by President Dwight Eisenhower. A year later, the giant bull was placed on the pylon. AHA headquarters was here for 44 years.

Whenever I traveled to K.C., I got a kick out of seeing a Hereford bull above the city. I loved seeing this production agriculture symbol in an urban setting. I later learned that the locals called him "Bull On Building," or

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"Bob" for short. In 1997, the AHA moved

the association office to Wvandotte Street and then up near the airport. Meanwhile, their former building was purchased by an architecture firm. That firm took down the bull and put poor Bob into storage! I missed seeing him as I drove to Kansas City.

Then a great thing happened. In 2002, an agreement was reached between the Kansas City Parks and Recreation department. a real estate company, and AHA. Parks and Rec would assume ownership of the old bull and provide a place for his location, the real estate company would build a new pylon and put Bob back in place, and the AHA would help fund-raise for the maintenance of the structure. The new pylon was built in Mulkey Park Square, approximately two blocks south of where Bob originally stood.

Today he proudly stands atop the pylon. It's not the Statue of Liberty. but maybe it's the Statue of Productivity. I smile when I drive by on I-670 and see him gazing over Kansas City once again.

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By Derrell Peel, **Oklahoma State University**

gravity again

Aided and abetted by the drought, feedlots put together another month of large placements in July. July placements were 101.8 percent of last year, despite growing indications that feeder supplies are declining. July 1 estimated feeder supplies outside of feedlots were down 2.7 percent year over year. Drought continues to force cattle to market sooner than planned. Oklahoma auction volumes of feeder cattle for the past six weeks are up 10.9 percent, consistent with the unexpectedly large placements in July

July feedlot placements included a 2.5 percent decrease in feeders weighing over 700 pounds, which was more than offset by a 9.5 percent increase in feeders weighting less than 700 pounds. This is the third month in a row with increased placements of lightweight feeders and decreased placement of heavy feeders. Total feedlot placements in May – July were down 1.0 percent, with placements under 700 pounds up 6.0

er by more than seasonal amounts and calf prices moving counter-seasonally higher. In Oklahoma auctions, 750-pound steers reached the highest prices of the year in mid-August and 500-pound steer calve reached the highest leve since the seasonal peak in March. The trend for higher feeder cattle pries may severely diminis or offset seasonal lows for calves this fall. Dr. Derrell Peel di

cussed the long-reaching impact the drought wi have on the cattle market for years to come on th Livestock Marketing sea ment from SunUp TV from August 6, 2022. It can b viewed at https://www.you tube.com/watch?v=13E8U KJkDpM.

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600-700#	\$210.00-\$185.		966#@\$184.10	N/T
700-800#	\$190.00-\$175.		909#@\$178.00	COWS-HIGH
800-900#	\$188.00-\$172.			YIELDING:
900-1,000#	\$184.00-\$167.		HEIFERS	\$102.50-\$74.00
	HEIFERS		566#@\$190.25	• • • • • • •
300-400#	\$186.00-\$175.		775#@\$177.50	COWS-LGT WT &
400-500# 500-600#	\$189.00-\$183. \$190.25-\$180.		836#@\$170.00	LOW YIELDING:
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Grass & Grain, August 30, 2022 P Kansas City's Hereford Bull Page 19

By Ron Wilson, Poet Lariat In the Kansas City skyline, where skyscrapers abound, Look close - a model of a giant Hereford bull is found How did a giant Hereford bull get into urban space? The answer is, it's a symbol the Hereford breed showcased. The American Hereford Association built their headquarters there, And put the bull on a pylon 90 feet up in the air. It was a mighty icon of the famous Hereford breed, And the cattle trade which helped this fledgling city to succeed. Through four decades, he stood tall and performed his stoic job. The neighbors called him "Bull On Building" shortened it to Bob. But as changes came to the Hereford association, They moved their office to another downtown location. The folks who bought their building took Bob down from his perch, And stuffed him into storage where they left him in the lurch. But in 2002, it was Bob they could unpack, And once again atop a pylon, Kansas City brought him back. To lose the bull forever would have surely been a pity. This is a way to reconnect with the roots of this great city. Today that Hereford bull once again extends his gaze As the city moves forward from its boomtown stockyard days. I'm so glad that they could reconnect to yesteryear's cowmen, Here in Kansas City, where the Hereford bull stands tall again. Happy Trails! www.ronscowboypoetry.com © Copyright 2022

FARM AUCTION Saturday, September 24th 2022 2491 Fair Road, Abilene, KS

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percent and placements over 700 pounds down 4.7 percent. These lightweight placements will finish from November into the first quarter of 2023.

In fact, feedlot placements in the past six months, since February, have totaled 10.91 million head, up 0.8 percent year over year, and account for 97.2 percent of the 11.224 million head on-feed inventory on August 1. In those six months, placements weighing under 700 pounds are up 3.5 percent year over year, while placements over 700 pounds are down 0.7 percent. All of this suggests that feedlots are somewhat back-loaded with relatively tighter numbers finishing in the August-October period and recent lightweight placements finishing November and later.

The implications for feeder cattle markets may be even more important. Increased lightweight placements, especially since May, likely includes fall calves marketed right off the cow, early weaned spring calves and summer stockers marketed ahead of schedule. Pasture and range conditions are currently rated at 52 percent poor/very poor, the worst level for this time of year since 2012. It appears that the supply of calves and feeder cattle available this fall will likely be significantly smaller because many cattle have already moved to market.

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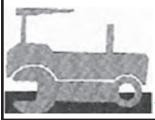
At halter of the Supreme Champion Dairy Female was Jonathan Featherstone.



Judge Kevin Jensen selected Layken Huncovsky's entry as the Grand Champion Steer.

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The Reserve Supreme Champion heifer was shown by Aurora Pitzer, pictured with judge Kevin Jensen.



Leading the Supreme Champion Breeding Ewe was Kaden Camerlinck, shown with judge Ed Hewlett,



Kaden Camerlinck showed the Grand Champion Market Lamb.



The Supreme Champion Breeding Heifer was shown by Kaden Camerlinck.



Morgan Disberger showed the Reserve Supreme Ewe and was also named Reserve Champion Senior Sheep Showman.



Korah Wendland led the Reserve Champion Market Lamb, as selected by judge Ed Hewlett.





The Supreme Champion Gilt was shown by Avery Eckhoff.



Isabel Wright's Yorkshire was chosen by judge Brian Zimmerman as the Reserve Supreme Champion Gilt.



Isabel Wright drove the Grand Champion Market Hog.



The Reserve Champion Market Hog was shown by Jameson McDonald, center, holding banner. Brian Zimmerman judged the show.



Leading the Supreme Champion Meat Goat Doe



Judge Bill Toews awarded Grand Champion Market Goat to the entry shown by Sawyer Grady.





The Reserve Champion Market Goat was exhibited by Reese Grady.





Maryn Grady, pictured with Judge Bill Toews.



Reese Grady showed the Reserve Supreme Champion Meat Goat Doe.



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The Grand Champion Market Poultry was shown by Tehgan Kennedy.







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ATIOŃ: 209 N 4th St., ST. MARY

Personal Property Auction Starts at 10:00 AM

Real Estate Will Sell at 12:00 Noon REAL ESTATE PROPERTY DESCRIPTION: Quality built, one owner berm ranch-style home with 25,000 sq. ft. lot built in 1996 with 2 bedrooms and 2 baths. The home has an open floor plar with kitchen, dining and living room for a total of 1,751 sq. ft. of living area. There is a 2-car attached garage plus a fully insulated shop/garage that is 26'x30' connected by a covered breezeway patio to the home. The shop is heated with an overhead gas furnace and there is an overhead door with electric opener. The primary bedroom is 14'x16' with a large walk-in closet and connected to the primary bathroom that has a newer large Onyx shower. The living room, dining room and kitchen have newer laminate flooring. The home has been well-maintained and is in good "move in" condition 2021 Taxes = \$2.271.00

Legal Description: Lots 6, 7 & 8 & the North 25 Feet of Lots 9 & 10, Block 6, St. Marys Original Townsite, Pottawatomie County, KS Terms of Sale: Successful bidder, sign purchase contract, 10% down to Charlson & Wilson on day of auction with the balance due at closing on or before October 17th, 2022. Possession at the time of closing. Buyer to have all inspections they deem necessary completed prior to closing. All financial arrangements must be made prior to the auction, no finance contingencies will be accepted. Owner's title insurance policy and title office closing fees will be paid half by Seller and half by Buyer. The 2022 taxes will be pro-rated (based on the 2021 taxes) to the date of closing. Real Estate Agents are agents of the Seller. This property is being sold in its present existing condition "as is". Statements made the day of autient take present existing condition "as is". Statements made the day of auction take precedence over all printed materials. Not responsible for accidents. WWW.PEARLREALESTATE.ORG * (Offered by Pearl Real Estate)

ANTIQUE/COLLECTIBLE VEHICLES & DODGE PICKUP WILL SELL AT 1 PM: Antique/Collectible Cars: 1939 Chevrolet Coupe Master Deluxe w/216 engine, Good Condition, Good tires bis-ply 1938 2-door Sedan w/all parts to finish w/235 engine; 1949 Cadil lac all original besides paint, 70,073 miles V8; 1930 Chevrolet 235 straight 6 5-7 Body Fisher 35,454 miles; 1931 Chevrolet 235 Straight 6 5-7 84,380 miles. Vehicle: 2001 Dodge Dakota 124,338 miles leather, power seats/windows, 4door crew cab, V8 magnum 4.7L. HORSE TRAILER: Morris Bros Trailers 2-Horse slant trailer.

TOOLS & SHOP RELATED ITEMS: Lagun Milling machine w/90-de gree tilt head w/heavy duty milling vise w/all tooling, Craftsman 60 gal air compressor, Carroll-Jamison Co Metal Lathe 10" chuck 36" center 15" swing 2 face plates steady rest live center 3 jaw/4 jaw, floor jacks, Central Pneumatic Sand Blaster w/cabinet 125psi, Stock-man Electric over Hydraulic Press 100 ton, air hose & reels, (2) 2-ton cherry pickers collapsible, air bubbles, socket sets, lots of hand tools, Wilton large vise, bench grinders w/stand, 2 wheel dollies, engine stand, bumper jack, lots of Starrett tools/gauges, thread gauges, 12' dial indicator, calipers, Mitutoyo 0-6 micrometers, Starrett micrometers, Starrett 2-6" dial calipers, small Starrett square, metal # stamps Starrett tri square, Starrett 0-4 micrometer, 0-6 depth micrometers 1" travel dial indicators w/mag base, Starrett telescoping gauges, ai tool grinder, thread gauges, Wagner No Go gauges F1 114, air tools, Starrett 96 Dial indicator, metal letter stamps, tap & die set, electric saws, Makita Chop saw, ladders/ext. ladders, adjustable Reamers set, drill bits, Hammett AC Arc Welder, paint gun, ½" electric drill, wrenches, several ext. cords, shop vac, Craftsman 2250PSI power washer 6HP, Carbide bits, pro 5" vise, Lincoln electric AC/DC Arc Welder, lockers, oxy-acetylene torch set w/bottles on cart, open end wrenches, grease guns, pipe wrenches, electrical supplies/tools hardware, plumbing, paint guns, hammers, files, Keyway broach set Starrett inside micrometer set, car dollies, floor jacks, saw horses, welding helmets, grinders, C-Clamps, air drills, air chisels, shop lights, tool boxes, come-a-longs, boomers, log chains, lots of milling tools & numerous other quality tools. MISC. & OUTDOOR: flower pots, fishing poles, nets, tackle, battery chargers, Craftsman battery weed eater, Craftsman battery hedge trimmers, TroyBilt weed eater, yard tools, coolers, wind chimes, yard art, chimney, BBQ Pro Gas Grill, Iron table w/4 chairs, turkey cooker, Smoke Hollow Smoker Char-griller Smoker, canopy tent, Fimco pull-type sprayer, Montgom body Chevy hood. HOUSEHOLD & ANTIQUES: Folding cafeteria tables w/benches, metal shelving, Christmas decorations, Golden Scooter, several nice walkers/canes, Montgomery Ward refrigerator, card table, leather couches, love seats, flex steel lift chair, scale cars & banks, coffee tables, secretary/China hutch, entry cabinet lamps, large oak table (2 leaves, 9 chairs), Amana Washer/Dryer Sharp Stereo System, desk, queen bed, dresser/mirror, 1918 Ford Whiskey Decanters w/ shot glasses, oak cabinet, gueen head board chest of drawers, night stands, marble board game, 8 folding chairs Soleus Air 8000 Btu air conditioner, wooden train, Coca Cola sign antique hub caps & headlights, 1934 Calendar Washington County Coop Creamy Co, Linn, Kansas, antique grease gun collection, an



Reserve Champion Market Poultry at the Riley County Fair was shown by Parker Kennedy, pictured with judge Blake Bell

Kansas milk production up 1% in 2022

Milk production in Kansas during July 2022 totaled 348 million pounds, up 1% from July 2021, according to the USDA's National Agricultural Statistics Service. The average number of milk cows was 174,000 head, 2,000 head more than July 2021. Milk production per cow averaged 2,000 pounds.

SATURDAY, SEPTEMBER 24, 2022 — 10:00 AM

American Legion, 207 5th Street — AXTELL, KANSAS

138.92± ACRES MARSHALL COUNTY. KS LAND

LEGAL DESCRIPTION: Section 31, Township 02, Range 10, 138.92 Acres, located in S2 SW4 & NE4 SW4 & NW4 SW4 LESS R/W (Per Marshall County Kansas Appraisers Office)

Enrolled in ARC-County (PLC yield Soybeans 32, Corn 115, Wheat 44)

Terms & Possession: 10% down day of the sale, balance due at closing on or before October 28, 2022. Buyer to take possession at closing, subject to tenants rights. Tenants have signed a voluntary release of tenancy ef-fective at the conclusion of fall harvest. Sellers to pay 2022 property taxes. Title insurance, escrow and closing costs to be split equally between buyer and seller. Property to be sold as-is, where-is. All inspections should be made prior to the day of the sale. Seller's interest in mineral rights to trans-fer with the sale. This is a cash sale and is not subject to financing, have pressly disclaims any liability for errors, omissions, or changes regarding any information provided for these sales. Potential purchasers are strongly urged to rely solely upon their own inspections and opinions in preparing to purchase property and are expressly advised to not rely on any represen

Avai



Anna Larson's entry earned Reserve in Show Poultry.



Parker Kennedy's exhibit earned Best in Show Rab bit



Grass & Grain, August 30, 2022 Page 23 Woody expansion is a national rangeland crisis

Bv Ross Mosteller. Meadowlark Extension District livestock and natural resources agent

The title of this article is the take-home message received from Dr. Dirac Twidwell, University of Nebraska-Lincoln, at the Nebraska Grazing Conference. Woody encroachment puts pressure on working rangelands by decreasing livestock production and increasing wildfire risk, as well as harming grassland biodiversity and increasing threats to animal species living in this biome. Dr. Twidwell presented some staggering data that is flat-out scary, but wide-scale conservation efforts are becoming a focus across the Great Plains.

Research shows that since 1999, woody plants have increased on more than 108 million acres in the western United States. This equates to an area 2.3 times the state of Nebraska! New monitoring technology confirms that the rates of grassland lost to woody encroachment now approaches the rate of conversion to agriculture cultivation. It doesn't matter if your concerns may be directed towards livestock, wildlife, water resources, wildfire prevention, social programs linked to land trusts or other interests: the loss of the grassland biome needs widespread focus and collaborative efforts, across the Great Plains, to make impact.

this article comes from an excellent new resource called Reducing Woody Encroachment in Grasslands. The guide boils grasslands mandown agement into evaluating and managing Risk and Vulnerability. Vulnerability is further divided into three components: Sensitivity, Exposure and Adaptive Capacity. Simply defined, sensitivity can be described as the relative ease that woody plants can establish and spread in grasslands. Exposure is directly related to a seed source, as woody plant encroachment cannot occur when grasslands are not exposed to seed sources. For example, a female Eastern Red Cedar

Much of the context of tree can produce more than 1.5 million seeds per year! Adaptive capacity is the ability to increase the potential to adapt to a threat or problem. All these components need to be evaluated to develop a plan.

> The take-away message was that what has been done in the past 50-100 years is not working, so a new strategy needs to be implemented. This was compared to preventative medical care, versus addressing serious medical conditions in the ER. Currently, time, attention and financial resources are often devoted to the visual problem - mature woody trees/brush stands. Many cost-share programs do not help, until a certain per

cent coverage threshold is reached. The mindset shift we were challenged with, was to address the issue before it becomes a problem. Most notably this means managing the seedbank in the dispersal and woody plant recruitment stages (there are excellent charts to illustrate this in the guide). Additionally, the methods of control need to shift from higher cost, higher labor, higher disruption tactics; to more easily manageable, lower cost and available tools: such as controlled burns and spot spraying.

Last time I mentioned that I am now ready to cut down my cedar windbreak, but a better approach might be to intensively manage the first 100-200 vards out from woody areas. Seriously managing core grass areas, the size of a football field or two away from the woody plants, prevents additional encroachment and then allows you to continually work to "push back" the woody core where seed/ sprout production occurs. This will never be a "one and done" approach! Tackling a seedling in a healthy grass stand is a much less daunting task than looking into a bare cover, wooded forest that used to be productive grass.

I welcome continued discussion with anyone who shares this widespread concern. There are focused efforts in place, like the Great Plains Grassland Initiative, and resources abound. The publication mentioned above can be found on the Meadowlark District website or https://www.wlfw.org/ assets/greatPlainsMaterials/E-1054WoodyEncroachment.pdf. Although lengthy, the following YouTube link provides additional information presented by Dr. Twidwell and Jeremy Maestas from NRCS: https://youtu.be/ SW01Dh9Pibw

Ways to extend the grazing season

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

Just as gardeners manage produce differently depending on the time of the season, cattle producers manage pastures so that the grazing season can be extended, said Kansas State University beef cattle experts on a recent Cattle Chat podcast.

One technique offered by Beef Cattle Institute nutritionist Phillip Lancaster is called stockpiling forage.

"Stockpiling is the practice of removing cattle from a pasture to allow regrowth through the late summer and early fall. This creates a pile of forage in the pasture than can be grazed through the late fall and early winter," Lancaster said.

The amount of time cattle can be on the pastures will depend on the grass variety being grazed.

"This management technique works well for there are costs of fertiliz-

cool-season grasses that are treated with nitrogen followed by rain leading to a good regrowth of the grass," said veterinarian Bob Larson.

Lancaster said stockpiling can be done on native grass pastures as well, but the timing of grazing and management will be different.

"Native range pastures don't need to be fertilized and cattle will have to come off the grass earlier in the summer to allow for the forage to stockpile through the late summer and into the fall," Lancaster said.

With these potential costs, the experts agree that producers need to look at the expenses associated with this management strategy to determine if it is cost-effective.

"Do the math. One bale of hay will feed a cow for 40 days, while a stockpiled acre of pasture should carry that cow 90 days, but

Kansas cattle on feed down two percent

Kansas feedlots, with capacities of 1,000 or more head, contained 2.35 million cattle on feed on August 1, according to the USDA's National Agricultural Statistics Service. This inventory was down 2% from last year. Placements during July totaled 450,000 head, up 2% from 2021. Fed cattle marketings for the month of July totaled 440,000 head, down 6% from last year. Other disappearance during July totaled 10,000 head, unchanged from last vear

Holton Livestock Exchange, Inc.

er and labor that need to be factored in," Lancaster said.

Regarding labor, Lancaster said strip grazing is a technique that works well for stockpiling forage.

"With strip grazing a small area is contained by electric fence and the cattle are allowed to graze that grass to the ground before being moved to another area. Because this

grass is dormant, producers don't need to be concerned about plant regrowth," Lancaster said.

An added benefit is the distribution of manure across the pastures, said Larson, which serves to help fertilize the pastures naturally.

To hear the full discussion, listen to the Beef Cattle Institute Cattle Chat podcast online.



Tues., Sept. 13th - Calf/Yearling Special Sat., Sept. 17th - Sheep & Goat Sale ALL WEIGH COWS & BULLS SELL AT THE END

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Sale Every Thursday at 11:30 a.m. Sharp

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

MARKET REPORT FOR TUESDAY, AUGUST 23, 2022 **RECEIPTS: 1371 CATTLE** FOR FULL RESULTS, VISIT OUR WEBSITE: WWW.HOLTONLIVESTOCK.COM

STEER	S	HEIFERS	
9 blk Cameron,MC	384@239.00	4 blk Muscotah 368@2	10.50
3 blk Muscotah	326@235.00	4 blk bwf Holton 345@2	10.00
5 blk red Muscotah	429@228.00	6 blk red White Cloud 323@2	
	450@221.00	15 blk red 527@1	
6 blk Topeka	538@213.00	16 mix 545@1	
10 char blk Holton	580@206.00	21 mix 650@1	
8 blk Onaga		15 blk Axtell 629@1	
31 char blk Holton	698@198.50	20 blk bwf Centralia 610@1	
9 mix Atchison	627@196.00	12 blk gry Goff 561@1	
	705@195.00	10 blk Bendena 570@1	
20 blk Holton	687@194.50	30 char blk Holton 673@1	
13 blk red Beattie	687@193.00	14 blk Topeka 670@1	
16 mix Wheaton	698@191.50	13 blk Holton 622@1	
61 blk bwf Wetmore	800@188.10	14 blk bwf Hoyt 647@1	
12 blk Holton	705@185.00	22 mix Goff 627@1	
10 blk red Wheaton	747@179.00	12 blk bwf Nortonville 656@1	
21 blk Hoyt	712@178.00	27 blk Holton 708@1	
40 mix Wheaton	807@174.25	21 blk red Wheaton 756@1	
45 blk red Holton	843@171.75	8 blk red Mayetta 809@1	57.00
25 blk red Wheaton	871@168.25		

Dan Harris, Auctioneer & Owner • 785-364-7137 Danny Deters, Corning, 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

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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 8-25-22. 553 head

300-400 lb. steers, \$188-\$249; heifers, \$182-\$208; 400-500 lb. steers, \$182-\$223; heifers, \$160-\$216; 500-600 lb. steers \$170-\$188; heifers, \$155-\$176; 600-700 lb. steers, \$165-\$187 heifers, \$149-\$175.50; 700-800 lb. steers, \$159-\$188.50; heifers, \$137-\$174; 800-900 lb. steers, \$164-\$179.75; heifers \$131-\$165.25. Trend on Calves: \$5-\$10 higher on light weights, fully steady on bigger calves. Trend on Feeder Cattle: Very light test but a firmer tone noted. Butcher Cows High dressing cows \$80-\$88.50; Avg. dressing cows \$70-\$80; Low dressing cows \$55-\$65. Butcher Bulls: Avg. to high dressing bulls \$80.50-\$116. Trend on Cows & Bulls: Mostly \$3-\$4 higher.

Some Highlights Include:

	HEIFERS	STEERS		
14 blk	284@197.00	2 blk	393@225.00	
5 blk	339@208.00	2 blk 6 mix	470@198.00 598@181.00	
8 blk	540@169.00	5 blk	711@182.00	
7 mix	619@173.50	5 red	751@177.00	
4 blk	710@172.50	65 mostly blk	886@179.75	
18 mix	806@165.25			

Next Sale: Thursday, September 1 Special Stocker Feeder Sale - 11 AM

- 30 bwf/rwf steers & heifers, HR, LTW, bunk & hot wire broke, 500-600lbs
- 80 mostly blk steers, off grass, 800-900lbs
- 120 blk steers & heifers, HR, shots, 450-650lbs
- 70 mostly blk steers & heifers, HR, weaned, shots, 650-750lbs
- 50 mx steers, LTW, shots, 700lbs
- 1 load mostly blk steers, 850-900lbs
- 170 fancy blk steers, off grass, 925-1050lbs

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 Seth Greenwood Asst. Barn Manager/Fieldman (620) 583-3338

Van Schmidt Auctioneer/Fieldman (620) 345-6879 Barrett Simon Auctioneer/Fieldman (316) 452-1792 Kyle Criger, Fieldman, (620) 330-3300

Cattle Sale Every Thursday 11:00 AM

Like Us On Facebook!

On Thursday, August 25 we had 1,041 head of cattle on a good market. Good stock cows selling in good demand.

STEERS	10 Simm. 622@182.00	16 blk 653@174.50
3 blk410@235.00	13 blk 765@178.00	8 bkbwf 593@173.50
4 bwfrbf439@230.00	18 bkChr 838@176.00	6 blk 699@172.50
7 bkbwf 503@227.00	6 bkRd933@170.00	7 blk732@170.00
11 bkbwf 490@225.00	15 Simm.714@169.50	31 mix701@169.50
9 blk586@210.00	15 mix829@167.50	16 bkbwf 716@168.00
11 blk643@202.00		33 blk 829@165.25
25 bkbwfrbf	HEIFERS	8 blk674@165.00
25 bkbwfrbf 634@195.00	HEIFERS 6 blk	8 blk674@165.00 6 Rd Ag532@164.00
634@195.00	6 blk	6 Rd Ag532@164.00
634@195.00 5 Rd Ag509@190.00	6 blk395@207.00 14 bkbwf 493@189.00	6 Rd Ag532@164.00 10 mix731@158.00
634@195.00 5 Rd Ag509@190.00 21 bkbwf 665@188.50	6 blk395@207.00 14 bkbwf 493@189.00 14 bkbwf 555@187.00	6 Rd Ag532@164.00 10 mix731@158.00 5 Simm744@155.50

Butcher Cows: \$53-\$93, mostly \$78-\$88, steady to higher. Butcher Bulls: \$66-\$122, mostly \$106-\$119, \$3-\$6 higher. Packer Cows & Bulls: Selling very active.

Preg Cows: \$850-\$1,700, mostly \$1,275-\$1,650, very active.

BUTCH	ER COWS	1 bwf	1575@86.00
1 blk	1555@93.00		
1 blk	1275@92.00	BUT	CHER BULLS
1 blk	1070@91.00	1 Red	2165@122.00
1 blk	1035@91.00	1 blk	1990@121.00
1 blk	1795@91.00	1 blk	1935@119.00
1 blk	1405@89.00	1 Red	2400@119.00
2 Red	1130@89.00	1 blk	1905@118.00
1 blk	1215@88.00	1 Red	2215@118.00
1 blk	1355@88.00	1 Char	1300@115.00
1 Red	1345@86.00	1 blk	1650@112.50

EARLY CONSIGNMENTS FOR SEPTEMBER 1

100 Fancy blk Sim X strs & hfrs, 650-850#, home raised & weaned, double vac.

- 56 blk Red strs & hfrs, 500-700#, off the cow.
- 165 mostly blk strs, 800-950#, off the grass.

EARLY CONSIGNMENTS FOR SEPTEMBER 8 225 mostly blk strs, 800-950#, off the grass.

SPECIAL STOCKER FEEDER CALF SALE **SEPTEMBER 15**

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Austin Evenson- Fieldman

Mobile Cell 620-750-0222 If you have any cattle to be looked at call Ron or Austin

Grass & Grain, August 30, 2022 Soil Health Academy marks five-year anniversary, looks to expand future efforts

It started with a vision to share the hope in healthy soil. On August 22, 2017, the Soil Health Academy (SHA) kicked off its first, three-day, regenerative farming school at soil health pioneer Gabe Brown's ranch near Bismarck, North Dakota

Today, the non-profit organization is celebrat-

Seven Day Forecast

511-

243

WEDNESDAY

Grass & Grain Weather Report

ing its fifth year of operation while also announcing plans to expand its efforts to help farmers and ranchers successfully and profitably apply nature's time-proven, regenerative agriculture principles and practices in their respective operations.

bv Rav Founded Archuleta, Gabe Brown,

In-Depth Local Forecast

Today we will see partly cloudy skies with

David Brandt and Allen Williams, SHA's world-renowned instructors have conducted scores of threeday schools and specialty workshops across the country, teaching hundreds of farmers, ranchers and educators from around the globe the transformative power of soil health-improving re-

Aug. 31, 2022

Seneca

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Today's Local Outlook

81/60

а,

Washington

Blue Rapids

generative agriculture.

"Since its first school five years ago, SHA has been at the forefront of providing practical, onfarm education and support to producers so they can grow healthier soil, profits, food and futures,' said SHA president Dawn Brietkreutz, A U.S. Air Force veteran and regenerative farmer, Brietkreutz and her husband Grant operate Stoney Creek Farm near Redwood Falls, Minnesota, which has been the host site for numerous SHA schools and workshops throughout the past five years. She is also an original member of SHA's board of directors.

from "Transitioning chemical- and tillage-dependent conventional farming requires farmers and ranchers to possess a significantly higher level of understanding of soil health-improving regenerative farming principles," Breitkreutz said. "Knowledge, observation, understanding and problem-solving skills are key to the successful application of regenerative agricultural systems-and SHA's schools have a proven track record of helping producers achieve those objectives.'

In its most recent poll, more than two-thirds of SHA graduates reported experiencing both positive soil resource and economic improvements while transitioning from conventional to regenerative agricultural practices. More than a third of its graduates reported reducing synthetic fertilizer and/or pesticide use by 30 percent or more.

Brietkreutz said the "five-year regeneration celebration" also represents an important opportunity to scale up the transformative power of farming in nature's image.

"During the past five years, producer interest in regenerative agriculture has grown considerably, as has the community of generous individuals, corporations and NGOs who continue to partner with SHA to expand and accelerate our education and farmer-support operations," Brietkreutz said. "In addition to developing new learning opportunities and expanding SHA school and scholarship programs, we're also looking to reach consumers, educators and policy makers through additional outreach and educational platforms in the near- and mid-term," she said. "So, in addition to helping ensure on-farm regenerative success, we want to help drive consumer awareness, interest and demand for regeneratively grown products, in the months and years ahead.'

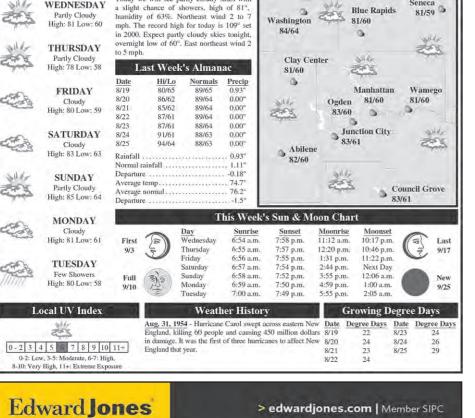
Even as the organization marks this historic milestone, co-founder Gabe Brown will be busy hosting another three-day, regenerative farming and

the week of SHA's fifth anniversary. According to Brown, these practical, on-farm schools remain the most effective education delivery method to ensure regenerative producer success.

"From the outset, we recognized that producer success was dependent on individuals understanding the six principles of soil health, the three rules of adaptive grazing and the four ecosystem processes," Brown said. "Understanding how to apply that knowledge within the context of producers' operations remains the foundation of SHA's teaching and learning model."

According to Brown, the future of regenerative agriculture is bright, thanks to all those who represent and support the regenerative farming movement.

"I'm proud of the incredible success of SHA and its graduates over the past five years," Brown said. "The tireless dedication of SHA's instructors, staff and board of directors has no doubt played a key role in that success. With continued support from donors and through the on-going hard work of our regenerative farming and ranching community, I know the best years of SHA lie ahead. And that's great news for the future of our family farms, our food security, our health and our planet.'





Call or visit your local financial advisor today.

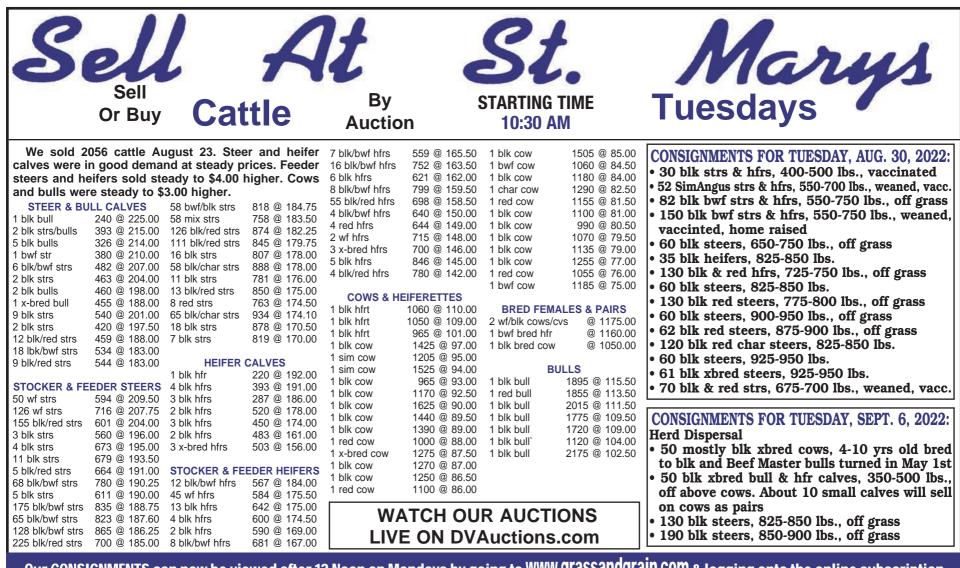


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