Outstanding first half for U.S. pork exports; beef exports below record pace of 2022

with another strong performance in June, according to data released by USDA and compiled by the U.S. Meat Export Federation (USMEF). While well below the record pace established in 2022, June beef exports topped \$900 million in value, pushing first-half export value to nearly \$5 billion.

First-half pork exports achieve broad-based growth

June pork exports totaled 245,964 metric tons (mt), up 12% from a year ago, while export value climbed 6%to \$691.4 million. Through the first half of 2023, exports were 14% above last year's pace at 1.47 million mt, valued at \$4.05 billion (up 12%).

Pork exports to Mexico are on a record pace, with first-half value up 21% to more than \$1 billion. First-half exports increased sharply year-over-year to the ASEAN region, Australia, Taiwan, the Dominican Republic and Chile, while also posting gains in China/Hong Kong, South Korea and Central America. Pork variety meat exports surged by 32% in the first half to more than 297,000 mt, led by record-large shipments to China.

"Mexico is certainly the 2023 pacesetter for U.S. pork

said Dan Halstrom, USMEF president and CEO. "Exports are making impressive gains in the Western hemisphere and reclaiming market share in many Asia-Pacific markets, and U.S. pork is well-positioned to continue gaining momentum in the second half."

First-half beef exports lower overall,

but bright spots emerge

Beef exports totaled 115,107 mt in June, down 12% from a year ago and slightly below the May volume. Export value was \$909.5 million, down 13% year-over-year but the highest since October and 4% above the value posted in May, First-half beef exports were 10% below last year's record pace at 669,176 mt. Export value was just under \$5 billion - down 19% from a year ago but still 8% above the first half of 2021.

June beef exports to Taiwan were the largest in 14 months, while exports to Mexico continued to build momentum and shipments to Canada, Hong Kong, South Africa, and the Dominican Republic posted year-over-year gains. June exports to South Korea, China, and Japan were below last year's large totals, though shipments to Japan improved notably in value from the previous

"It was a challenging first half for beef exports, especially when compared to the blistering pace established a year ago," Halstrom said. "But we are encouraged to see that exports are still accounting for a consistently high percentage of total beef production, and variety meat exports have held up very well considering the decline in U.S. slaughter. These metrics continue to illustrate the important contribution of exports in maximizing beef carcass value."

Lamb exports trend lower, fall below year-ago level

After a strong start in 2023, exports of U.S. lamb muscle cuts trended sharply lower in the second quarter. June exports were just 109 mt, down 56% from a year ago, while value fell 45% to \$843,000. First-half exports were down 5% in volume (1,067 mt) and 6% in value (\$6.35 million). Exports trended higher to the Netherlands Antilles, the Bahamas, Guatemala, and Canada, and volume increased slightly to Mexico.

A detailed summary of the January-June export results for U.S. beef, pork and lamb, including market-specific highlights, is available from the USMEF website.

exports but what's really exciting is that the industry Cattle Chat: Understanding cow inventory to build a marketing strategy

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

For many, investing in the stock market is a longterm retirement strategy that takes discipline to avoid reacting to changes in the market.

In much the same way, making a profit in the cattle business requires a long-term approach, said the experts at Kansas State University's Beef Cattle Institue on a recent Cattle Chat podcast.

"Having a strategy to deal with fluctuating prices is much better than reacting; it is much like the stock market in that you don't want to buy in or buy out on a whim," said K-State veterinarian Brad

White's observation is related to the July USDA

report that showed beef cow numbers at 29.4 million head, which is down 2.6% compared to the same time last year, and the cattle and calves total inventory was 95.9 million head, which is down 2.7% from the previous year.

"What I take from this report is that we haven't bottomed out yet with the inventory numbers because people are still liquidating the herd," said Dustin Pendel, K-State agricultural economist. "As the herds continue to shrink, cattle prices are going to stay high a little longer and possibly go a little bit higher."

From a cattle producer's perspective, there are choices to make. K-State beef cattle nutritionist Phillip Lancaster said, "As a producer, I may want to retain the fourto eight-year-old cows that are going to produce the best calves that I can sell into a market with high calf prices."

White agreed and added that heifers retained can contribute to the financial success of the herd, but it will take a longer period of time compared to cows.

"Once we start saving

heifers, it is a long-term investment because it takes months before they can contribute offspring to the herd," White said.

One factor that influences the liquidity of the cattle market is drought, Lancaster said.

"If you are in an area that has been getting rain, you may be able to keep extra heifers and cows that can add to the herd, but if you are experiencing drought then there will be feed costs that need to be accounted for in the decision to keep or sell," Lancaster said.

White called that knowing the "resource availability."

"If I have the resources available, I can be more selective about which females I keep and I can sell the ones I don't want at a reasonable price," White

Along with the production cycle, Pendell said the consumer demand also can influence cattle prices.

"We are starting to see that the consumer beef demand is softening as consumers were not willing to pay as much for their beef in June as they did in May," Pendell said. "Eventually that will translate down to cattle prices along with the influences of international trade." The K-State experts

agreed that producers need to think about the marketing opportunities for the long term.

"Every operation is going to be different depending on where you are located in respect to

drought; prices are going to be high for the foreseeable future, so you need to figure out where those marketing opportunities are and then run with them," Pendell said.

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



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@ 2300 00

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

With the upcoming hot weather forecast, we had a lighter run of calves and feeder weight cattle for our sale held on Friday, August 18th. Most cattle offered were finding good demand especially on the weaned cattle. We had several consignments of Fall bred cows which were getting lots of attention. Weigh cows were selling at fully steady prices while the weigh bulls sold higher on the kind offered.

STEER CALVES — 325-550 LBS.			
Topeka	4 blk	402@326.00	
Topeka	4 blk	423@324.00	
Manhattan	4 blk	473@301.50	
St. George	3 blk	340@301.00	
Easton	5 blk	525@299.00	
Ottawa	4 blk	547@299.00	
Westphalia	5 blk	506@295.00	
Odell, NE	4 bwf	515@292.00	
Mayetta	6 blk	473@290.00	

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FEEDER 31EER3 — 330-900 LB3.			
Manhattan	21 blk	582@288.00	
Scranton	6 blk	580@286.00	
Westmoreland	8 blk	614@284.50	
Alma	10 blk	572@280.00	
Topeka	6 blk	561@276.00	
Westmoreland	18 blk	712@269.50	
Easton	3 blk	621@268.00	
Westphalia	3 blk	638@265.00	
St. George	6 blk	605@260.50	
Alma	21 blk	681@248.50	
White City	6 blk	705@248.00	
St. George	5 Cross	713@239.00	
Alma	5 blk	926@228.00	

HEIFER CALVES - 250-550 LBS. St. George 6 blk

Onaga 11 blk **COWS & HEIFERETTES -**Waterville 1 blk McLouth 1 blk Basehor 3 blk Manhattan 1 Cross Basehor 1 blk 1 blk Alma Alma 1 blk Manhattan 1 Cross Garnett 1 blk 1950@128.00 1570@125.00 Perry 1 blk 1 blk 1555@124.00 Abilene 265@290.00 Westphalia 1440@122.00 1 blk 1415@122.00 3 blk 485@280.00 Topeka Wamego 1 hwf Odell, NE 485@263.00 1 blk 1465@120.00

Wheaton

Osage City

7 blk 490@262.00 Ottawa 5 blk 534@260.00 Westphalia 3 blk 511@255.00 476@250.00 Manhattan 3 blk 513@250.00 Alma 3 blk 6 blk 392@201.00 Topeka

FEEDER HEIFERS - 550-1025 LBS. 601@254.50 Westmoreland 18 blk

618@252.00 Manhattan 12 blk White City 6 blk 634@249.00 630@248.50 Ottawa 12 blk White City 8 blk 579@248.00 Manhattan 555@245.00 10 blk Alma 6 blk 668@244.00 Alma 11 blk 606@244.00 743@243.00 Basehor 8 blk Manhattan 4 blk 667@243.00 563@240.00 4 blk Easton Alma 14 blk 721@237.00 Leawood 36 Red Ang 818@223.75 Osage City 931@208.00 960@197.00

1007@190.00 - 825-1950 LBS. 825@214.00 935@198.00 1168@187.50 810@170.00

1016@195.00

4 blk

11 blk

1050@168.00 1240@158.00 1030@156.00 870@145.00

Dorchester, NE 1 blk Alma 1 blk Alma Onaga 1 blk Abilene 1 blk McLouth 1 blk 1 blk McLouth Onaga 1 bwf Alma 1 blk 1 bwf Alma Dwight 1 blk

Westmoreland 1 blk Council Grove 1 bwf Dwiaht McLouth 1 blk McLouth

1235@113.00 1000@113.00 1 Cross

BRED COWS

AGE BRED 3-4 Quenemo 10 blk 7-8 @2850.00 11 Rd Ang Wamego @2850.00 4 8 @2825.00 Garnett 7 blk 38 Ang @2800.00 2-3 6-8 Basehor Quenemo 3 blk 8 @2800.00 21 blk 3-5 7-8 @2800.00 Wamego Wamego 7-8 @2775.00 11 blk 5-6 @2750.00 Quenemo 7-8

5-8

18 blk

4 bwf

Quenemo

Bremen

1285@110.00 1205@107.00 1315@104.00 1175@99.00 1105@98.00 1075@96.00

1345@120.00

1280@119.00

1270@119.00

1390@118.00

1230@116.00

1610@115.00

1225@114.00

1210@94.50

1205@85.00

Garnett Basehor Basehor Wamego

Westphalia

Westphalia

Wamego

Basehor

Wamego

Bremen

Quenemo

Quenemo

Basehor

Bremen

9 blk

4 blk

7 blk

2 blk

3 bwf

9 blk

4 blk

2 blk

2 Cross

Wamego 2 Rd Ang 4 8 @2300.00 6 Basehor 7-8 @2250.00 3 blk 3-4 5-6 @2200.00 SS 7-8 @2150.00 4 blk 6 2 blk SS @2000.00 3 Cross SS 7-8 @1900.00

BULLS - 1325-1950 LBS. Westphalia 1 blk

1870@133.50 1700@131.50 Westphalia 1 blk 1825@130.50 Frankfort 1 Cross 1725@130.00 Onaga 1 Char 1 blk 1950@128.00 Dwight 1635@127.50 McLouth 1 blk Frankfort 1 blk 1775@124.50 Dwight 1 blk 1700@123.00 Dwight 1 blk 1925@121.50 1 blk 1330@115.00 Manhattan @2700.00 @2700.00

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Kansas Hay Market Report

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

Compared to the last report, demand and trade activity remains slow, prices were steady. All regions received rain recently, with some producers more excited than others. Rain continued to make its way across the southwest and south central regions making it difficult to put up dry hay, while it came a bit too late for some corn fields in the southeast. According to the U.S. Drought Monitor for August 8th, above-normal precipitation since the beginning of July and a lack of support from the longterm indicators led to a one-category improvement to west-central Nebraska and bordering areas of Kansas. The categorical percent area for abnormally dry conditions (D0) increased to near 17%, moderate drought (D1) increased to near 25%, severe drought (D2) decreased to 15%, extreme drought (D3) increased to near 27%, and exceptional drought (D4) decreased to near 3%.

Southwest Kansas

Dairy alfalfa steady; grinding alfalfa 5.00-10.00 lower and ground and delivered 10.00 lower; movement slow. Alfalfa: Dairy,1.40-1.50/point RFV. Good, Stock or Dry Cow 220.00-280.00. Fair/good grinding alfalfa, large rounds, new crop 240.00-255.00, fair/weedy/grassy large rounds 180.00-190.00, large square 3x4's and 4x4's new crop 250.00-255.00. Ground and delivered locally to feed lots and dairies, new crop 270.00-280.00. Grass Hay: Bluestem: none reported. Oat hay, new crop 3x4's 160.00-170.00; Teff large rounds 180.00-185.00; Corn stalks, ground and delivered 180.00-195.00. The week of 8/6-8/12, 5,985T of grinding alfalfa and 0 Tof dairy alfalfa was reported bought or sold. The average paid by feedlots on August 1 for alfalfa ground and delivered was \$300.89, down \$17.80 from the previous month, which includes mixed hay loads, usage was 504T/day, down nearly 23%





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and total usage was 15,620.5T.

South Central Kansas

Dairy alfalfa, ground and delivered steady; grinding alfalfa 10.00 lower, alfalfa pellets mostly steady and movement slow. Alfalfa: horse, small squares 12.00/ bale; Dairy 1.40-1.50/point RFV. Good, Stock cow, 295.00-305.00. Fair/good grinding alfalfa, large rounds new crop 240.00-250.00 delivered, 3x4 and 4x4's new crop 240.00-250.00 delivered, rain damaged large square 3x4 and 4x4 150.00-160.00. Alfalfa ground and delivered 280.00-290.00; Alfalfa pellets: Sun cured 15 pct protein 320.00-325.00, 17 pct protein 340.00-350.00, Dehydrated 17 410.00-420.00. Grass hay: Bluestem, large rounds 130.00-140.00, large squares, new crop 150.00-160.00, small squares 9.50-10.50/bale; Brome, new crop large rounds 165.00-185.00, large square 3x4's and 4x4's 175.00-185.00, small squares 11.50-12.50/bale; Oat hay, large square 3x4's 195.00-205.00 delivered, oat/straw, large rounds, 100.00 FOB. Mixed grass CRP large rounds, 115.00-125.00. Wheat straw, large rounds 125.00-135.00, small squares 5.00-6.00/bale. The week of 8/6-8/12, 7,269.5T of grinding alfalfa and 0T of dairy alfalfa was reported bought or sold. The average paid by feedlots on August 1 for alfalfa ground and delivered was \$272.03, up \$6.18 from the previous month, which includes mixed hay loads, usage was 194T/day, up nearly 15% and total usage was 6,002T.

Southeast Kansas

Dairy alfalfa and grinding alfalfa steady, grass hay mixed, movement slow. Alfalfa: horse or goat, none reported. Dairy 1.40-1.50/point RFV. Good, stock cow 270.00-280.00 delivered. Fair/good grinding alfalfa, large square 3x4270.00-280.00; Grasshay: Bluestem, ** squares, 180.00-200.00/ton, **large square 3x4 175.00-185.00, **large round 150.00-160.00. Brome, large square 175.00-185.00. The week of 8/6-8/12, 768.5T of grass hay was reported bought or sold. **Northwest Kansas**

Dairy alfalfa and grinding alfalfa, steady; movement

slow. Alfalfa: Horse or goat, small squares none reported, 3x3 squares 300.00 new crop first cutting. Dairy, Premium/Supreme 1.40-1.50/point RFV. Stock cow, fair/good 295.00-300.00. Fair/good grinding alfalfa, large square 3x4's 250.00-255.00. Alfalfa ground and delivered 280.00-

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, ground and delivered, grass steady; movement slow. Alfalfa: Dairy 1.40-1.50/ point RFV; Horse hay, premium small squares, 13.00/ bale, 3x4's 290.00-300.00; Stock Cow 3x4's 230.00-240.00; Fair/good, grinding alfalfa, large rounds 240.00-255.00, large square 3x4's 240.00-255.00, Alfalfa ground and delivered 275.00-300.00; Grass hay: Bluestem, small squares new crop 9.00-10.00/bale, large 3x4 squares 160.00-170.00, good large rounds 150.00-200.00. Brome: small squares 10.00-11.00/bale, large rounds, 135.00-145.00, large square 3x4's 185.00-195.00. Wheat straw: large rounds 110.00-125.00, large squares 120.00-130.00. Corn stalks: large squares 100.00-125.00 FOB. The week of 8/6-8/12, 950T of grinding alfalfa and 300T of dairy alfalfa was reported bought or sold.

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

***Prices are dollars per ton and FOB unless otherwise noted. Dairy alfalfa prices are for mid and large squares unless otherwise noted. Horse hay is in small squares unless otherwise noted. Prices are from the most recent sales. *CWF Certified Weed 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 De $partment\ of\ Agriculture\ - Manhattan,\ Kansas,\ Kim\ Nettleton$

785-564-6709.

Cornstalks can fill forage gaps during drought corn is increased chance protein from straw.

cornstalks or drought-stricken corn can fill feed gaps during drought, says University of Missouri Extension beef nutritionist Eric Bailey.

There are some nutritional concerns, and producers must commit to moving cattle to new pastures to successfully use cornstalks as feedstuff, but there are benefits.

Cows are selective grazers. They choose the highest protein and most easily digested plant parts first. In corn hierarchy. stalks rank last, but they still fill cow bellies when options are limited. Because cornstalks are fibrous and poorly digested, consumption becomes a

"A beef cow is not going to eat 35 pounds of cornstalks a day," Bailey says. "There is simply not enough room in their gut to hold it all. This exacerbates the calorie deficit. Expect a cow to eat at most

1.5% of their body weight per day of these forages."

By eating the higher-protein parts of the corn first, cows may need few extra supplements. Energy is not limiting during the first 30 days of grazing. Protein will be limiting after 30 days on the same field at 0.5 pound of crude protein per cow per day. Consider herd needs, as the needs of lactating and fall-calving cows or stocker calves may be greater,

says Bailey. Also, stalk energy is limiting. "Forage resources like this are a step below even poor fescue hay," he says. The percentage of total digestible nutrients will be in the mid 40s. Beef cows need a diet that has 50%-60% TDN, so producers need to make up the difference with supplement.

Crude protein is also likely limiting in strawbased diets, says Bailey. Producers need to make sure cows get at least half a pound of crude protein from supplement to offset the deficiencies in crude

Bailey uses a simple rule of thumb for estimates: bushels per acre divided by 3.5 equals grazing days per acre for a 1,200-pound cow. For ex-

ample, if the field produced 150 bushels per acre, then an acre would provide enough residue for 42 grazing days (150 divided by 3.5). For a more accurate

estimate, factor in residue produced per bushel of grain. There will be 16 pounds of leaf and husk residue per bushel of grain. In a 150-bushel-peracre crop, there will be 2,400 pounds of dry feed per acre. Assume one acre per cow per month and try to leave cows on the field less than two months, Bailey says. This estimate is more conservative but will keep cows from eating the lowest-quality plant parts (stalks and cobs).

Assume 50% harvest efficiency since trampling and weathering will cause some dry matter loss, Bai-

One concern in grazing

nitrate poisoning during drought. Bailey says it is always wise to test for nitrates before grazing. For details, see the MU Integrated Pest & Crop Management article "Stalk Nitrate-N Test: A Tool for Evaluating Nitrogen Management Practices in Corn" at https://mizzou.us/ IPMNNT.

Bailey also recommends these resources from University of Nebraska-Lincoln:

· "Grazing Crop Residues With Beef Cattle" (publication), https://beef. unl.edu/cattleproduction/ grazing-corn-stalk-residue.

Cornstalk grazing calculator (downloadable Excel worksheet), https:// beef.unl.edu/learning/ cornstalkgrazingcalc. shtml.

• "Keys for Corn Stalk Grazing" (article), https:// beef.unl.edu/keys-cornstalk-grazing.

For more drought resources, go to https://mizzou.us/DroughtResources.

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Fall Harvest (4 week series) - starts September Fall Full of Bullz - September 12th G&G Farm Show Edition - October 31st

Soil Health - November 7th

Christmas Business Greetings - December 19th

DEADLINES:

KS State Fair Issue - August 23rd, before Noon Fall Harvest - August 30th, before Noon Fall Full of Bullz - September 6th, before Noon G&G Farm Show Edition - October 25th, before Noon Soil Health - November 1st, before Noon Christmas Greetings - Dec. 13th, before Noon

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Pottawatomie County Conservation District seeks nominees for awards program

County Conservation District (PCCD) is asking for nominees.

The Conservation Awards Program is sponsored by the Kansas Association Banker's (KBA). Partnering with the Kansas Department

awards include six categories: Energy Conservation, Water Quality, Water Conservation, Soil Conservation, Windbreaks and Wildlife Habitat. The Conservation District also has a separate Grassland Management award.

program is to stimulate a greater interest in the conservation of the agricultural and natural resources of Kansas by giving recognition to those farmers and landowners who have made outstanding progress in practic-

for their efforts. The Conservation District, the K-State Research and Extension Service, the Kansas Banker's Association (KBA),

farms and ranches. Last

year over 200 awards

were made to Kansas pro-

ducers and landowners

Service Conservation (NRCS) and the Farm Service Agency (FSA), all in Pottawatomie County, are holding a Conservation Award Tour for 2023 soon. Winners will be announced at the PCCD Annual Meeting in early

made by any person in the county. They should be sent to the Pottawatomie County Conservation District at 501 State Street, Westmoreland, KS 66549 or by calling 785-457-3398 Ext 3 with a deadline of September 13, 2023.

Sen. Moran announces grant for Kansas State University

U.S. Senator Jerry Moran (R-Kan.) has announced a \$1 million grant from the U.S. Department of Agriculture (USDA) to aid research and data collection at Kansas State

University to reduce the risk of antimicrobial resistance (AMR) in cattle.

This grant is funded through USDA's National Institute of Food and Agriculture (NIFA).

Checkoff reaches doctors with new beef message

In a world where opinions on what to eat are so diverse, many consumers find themselves relying on the recommendations of doctors and medical professionals for their individual health and that of their children. With this in mind, the checkoff works to ensure these trusted professionals are well informed about lean beef's role in a balanced diet.

Recently, a beef toolkit focused on school-aged and adolescent nutrition was delivered to 3,324 family practice and pediatric health professionals across 48 states. The toolkit materials included a letter, a MyPlate teaching tool and beef tips and recipes for parents.

Following delivery of the toolkits, a post-program survey was sent to medical professionals and consumers to measure the success. Responses showed 91% of professionals have already recommended beef to patients and 95% of consumers have prepared or plan to prepare meals that include beef since receiving the materials.

Additionally, heart health cookbooks were delivered to 854 family practice and cardiology professionals nationwide. Within those cookbooks were a letter to health professionals written by the cookbook author in collaboration with the beef nutrition team, a beef research booklet and pamphlets on lean beef in a heart-healthy diet that medical professionals could share with their patients. Responses to this effort also were positive, with 76% of medical professionals and consumer respondents saying they found the cookbook to be valuable.

"K-State plays a critical role in conducting research on how to keep our livestock healthy in order to keep consumers healthy," Moran said. "This grant is an investment in protecting our national food supply chain while also working to develop new treatments for

cattle."

M/M BILL TEETER ONLINE AUCTION - (Little River, KS)

Antique Furniture: Secretary Bookcase, Globe-Wernicke Bookcase; Glassware: Dazey Churn, Depression glass; Collectibles: Hummel figurines, Tractor lamp, Balance Beam scale; Tools: Table saw, Drill press, B&D metal cutoff saw. Personal Property: SideXSide refrigerator. LOTS & LOTS MORE.

Be sure to check this one out. There are lots of items to look at and choose from. ONLINE BIDDING OPENS: Thursday, August 24 with Soft Close Wednesday, August 30



View, Register & BID at: https://hollingerauction.hibid.com/auctions/current

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THANK YOU to everyone who participated in our Kid's Corner Contest.

Keep an eye out for the next one!

Week 1 - July 25:

Book: "The Prairie Nature Built"

CONGRATULATIONS Hudson W. • ALMA, KS

YOU COULD WIN:

Week 2 - August 8:

Book: "B is for Buckaroo" *CONGRATULATIONS*





Week 3 - August 15: (2) Youth Passes to the Flint Hills Discovery Center

CONGRATULATIONS Lawrence E. • ROSSVILLE, KS Rachel M. • WAKEFIELD, KS Week 4 - August 22: GRAND PRIZE DRAWING Samuel R. • ALMA, KS



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Corner

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COLLECTIBLES, HOUSEHOLD & MISC.

3 ft. concrete Native American Chief statue; "PIC" Germany #13907 fixed blade hunting knife; Buck 307 knife: WW II Helmet w/ lip; Clint Eastwood Movie Prop BKA 98 Cap/Ball Replica 6 Shot Revolver: 1930's Manoil Barclay SIREN Armored Cars; Miner's sterling spoons; Big Eight Conference Clock; 1969 Orange Bowl Jayhawk Team Framed Wall Picture; Jayhawks/LHS/ Elvis Memorabilia; *Toys:* JD 8400 Pedal Tractor, Spec Cast

AC Highly Detailed D-15 Tracto wf w/loader, Precision AC Model WD-45 #13101, JD 50th Ann. 520-620 Series Tractors The 3 & 4 Plow Series, JD Model 60 Tractor High-Seat, JD 60 & JD 730 Tractors, JD 50 years Plow, Banthrico Car Coin Banks: 75th Ann. Kaw Valley Eudora/KSU Ottawa/First National Ottawa, 30+ Die Cast Vintage Collector Car/Trucks many w/boxes!: Kaw Valley Eudora Bank Thermometer; Dolls (Shirley Temple, etc.); Danbury Mint Air Force One; Denin Days Collections; JD Danbury Mint Set; Harthorne: Budweiser Holiday Express Train Set/Thomas Kinkade Wonderful Express Christmas Tree/Elvis Graceland; Tempus Fugit Mantle Clock; Lighted China Cabinet; Oak Dining Room Table/Chairs Oak Claw Foot Round Dining Table w/chairs; Statton Parlor Table; Maple Chine Hutch; Oak Curved Glass & Sliding Door Curio Cabinets; Matching Double Recliner Electric Sofa & Manual Loveseat Recliners Panasonic Flat Screen TV; Area Rugs; Walnut Chest; Queen Bedroom Suite; Maple Full Bed; end tables; book shelves; Lazy Boy recliners; quilt racks Retro-Vintage Cavalier Original Cedar Chest w/Labels!; Continental Kilns Green Arbor Dish Set; Fenton, Carnival, Clear, Many Other Glasswares; Brass Tiger; Oil Lamps; Houseware décor; linens/quilts; Terry Red-land "Sharing Season I" framed picture; 1000K Rounds of 12/20 ga./45 mag/308 Ammo; full-size Ping Pong Table & accessories; many items too numerous to mention!

JEWELRY & COINS (9:00 AM) 18K Sapphire & Diamond Necklace w/Professional Appraisal Documentation!; 10/14K Gold; Rings/Necklaces/Bracelets; Sterling; Turquoise; Costume; \$20 & \$50 Confederate 1864 Bills; 400+ Vintage Sil-Dollars/Halves/Quarters/ Dimes/Nickels; Silver Proof &

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FLASH	SPURS	TEAMS
<u>L_SH</u>	$SP__S$	T
CLASS	$S__D_$	S
	STUDY	Y
NAAJJ		LEARN
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YEARS	SOUTS	CIASS
ZAABT	SUUAS	CLASH
ZMAJT	2 A U A 2	FLASH
:QAAH	WED:	EASY:

Why did the teacher go to the beach?

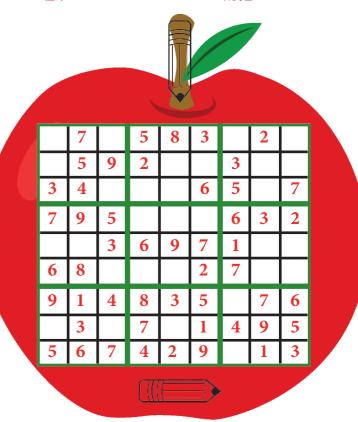
To test the water!



Back to Sudoku

Fill in each mini-grid to the right

with the numbers 1-9, so that every row, column, and mini-grid contains each number only once!



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Although complete name, address and phone number need not appear in your ad, we must have this information for our records. Phone #: Name: Address: City: State: TIPS: Phone numbers & hyphenated words count as one word. Words separated by a / count as two. WRITE YOUR AD HERE

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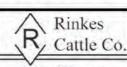
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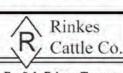


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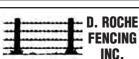
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*160 Ac +/- Tillable S, of Marquette. Call Derek! *65 Ac +/- Build Site by Rolling Acres Golf Course, McPherson. Call Lucas!

*240 Ac +/- Tillable N of Paradise, KS. Call Clint! *480 Ac +/- Tillable, CRP, Pasture N of Solomon. Priced to sell!

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Rancher urges Congress to address wildfires through livestock grazing and effective land management tools

On Aug. 11 Dave Daley, a leader in the California Cattlemen's Association, Public Lands Council and National Cattlemen's Beef Association, testified before the House Natural Resources Committee in a field hearing titled "Conservation in a Crown Jewel: A Discussion About Wildfires and Forest Management."

"In the wake of historic wildfire seasons in recent years, even this state has taken note of the value livestock bring to wildfire resilience," Daley testified. "Wildfire resilience practices, such as livestock grazing, work; and confronted with the very real threat of worsening wildfire conditions, there ought to be bipartisan consensus endorsing these effective tools."

Daley's testimony focused on the need for the federal government to look holistically at land management and recognize that livestock grazing is an important tool for reducing the risk of catastrophic wildfires.

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USDA forecasts U.S. corn up and soybean production down from 2022

The Crop Production report issued by USDA's National Agricultural Statistics Service (NASS) forecasted corn production up from 2022 and soybean production down from last year. Corn production is up 10% from last year, forecast at 15.1 billion bushels; soybean growers are expected to decrease their production 2% from 2022, forecast at 4.21 billion bushels.

Average corn yield is forecast at 175.1 bushels per acre, up 1.8 bushels from last year. NASS forecasts a record-high yield in Indiana. As of July 30, 55% of this year's corn crop was reported in good or excellent condition, six percentage points below the same time last year.

Soybean yields are expected to average 50.9 bushels per acre, up 1.4 bushels from 2022. If realized, the forecasted yields in Arkansas, Indiana, Mississippi, North Carolina, Ohio, and South Carolina will be record highs.

Wheat production is forecast at 1.73 billion bushels, up 5% from 2022. Growers are expected to produce 1.23 billion bushels of winter wheat this year, up 2% from the previous forecast and up 11% from last year. Durum wheat production is forecast at 57.4 million bushels, down 10% from 2022. All other spring wheat production is forecast at 450 million bushels, down 7% from last year. Based on Aug. 1 conditions, the U.S. all wheat yield is forecast at 45.8 bushels per acre, down less than one bushel from 2022.

The report also included the first NASS production forecast of the season for U.S. cotton. NASS forecasts all cotton production at 14.0 million 480-pound bales, down 3% from last year. Yield is expected to average 779 pounds per harvested acre, down 171 pounds from 2022.

NASS interviewed approximately 14,700 producers across the country in preparation for this report. NASS is now gearing up to conduct its September Agricultural Survey, which will collect final acreage, yield, and production information for wheat, barley, oats, and rye as well as grains and oilseeds stored on farms across the country. That survey will take place during the first two weeks

SDA NASS to collect 2023 small grain production and stocks data

small grains around the country will be contacted by the U.S. Department of Agriculture's National Agricultural Statistics Service (NASS). The agency is taking a comprehensive look into the 2023 production and supply of small grains, which include wheat, oats, barley, and rye. "The small grains industry is important to Kansas agriculture and it is crucial for everyone to have accurate data about this key sector of the economy," said NASS' Kansas state statistician Doug Bounds. "We will contact more than 2,500 producers in Kansas to accurately measure 2023 acreage, yield, and production for small grains and the quantities of grains and oilseeds stored on farm. Responses to the survey will also be used in calculating county yields," explained Bounds. "USDA uses county yield information from the survey to evaluate and administer vital farm disaster mitigation. Farmers who receive this survey should use this opportunity to assure their county is accurately represented in the calculation of Kansas county yields." The data collected from this survey, along with additional information, will be used 800-582-6443.

During the first two weeks of September, growers of to help set small grain acreage, yield, and production estimates at the county level, which will be available this December in NASS's Quick Stats database at quickstats. nass.usda.gov.

"NASS safeguards the privacy of all respondents and publishes only aggregate data, ensuring that no individual operation or producer can be identified," stated Bounds. "We recognize that this is a hectic time for farmers and ranchers, but the information they provide becomes useful data for decision-making on the farm, for federal farm programs, and the markets. I urge them to respond to this survey and thank them for their time and cooperation." Survey results will be published in several reports, including the annual Small Grains Summary and the quarterly Grain Stocks report, both to be released on September 29. These survey data also contribute to US-DA's World Agricultural Outlook Board's monthly World Agricultural Supply and Demand Estimates. All NASS reports are available online at www.nass.usda.gov. For more information call the NASS Kansas Field Office at

Selecting an on-site wastewater treatment system for the home

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

When people dream about building a home in the country, selecting the location of the onsite wastewater system is not often the first thing they think about. And yet, it is important to give that some consideration early in the planning process, said Kansas State University soil management specialist DeAnn Presley.

"The location and type of system that is installed can vary greatly in cost," Presley said.

While many city-dwellers use the municipal system and pay city taxes for their upkeep, that is often not an option for those who live down country roads. They will often install an on-site wastewater system, Preslev said.

"About 20% of Kansans use an onsite wastewater system, also known as septic systems," Presley said.

The two onsite systems

include septic tanks that and located a foot below disperse in lateral fields; and lagoon ponds.

To determine the best option for the home site, Presley advised reaching out to the county health department. She said that all health departments have environmental specialists who work with homeowners in evaluating the soil and make recommendations on system locations.

"The county environmental health staff will describe one or more soil profiles," Presley said. "By evaluating the soil structure (thickness), color and texture, we know how the soil will drain." Two additional considerations are the presence, absence or depth to bedrock or a water table.

The septic tank system has a buried, watertight container that is corrosion-resistant. With this system, the solids are separated and they break down organically and the wastewater flows into the underground lateral field where it percolates through the soil, said Presley. Dispersed lateral fields are often 1.5 to three feet wide

the surface.

She added that a lagoon is shaped like a pond with an evaporative basin and that is where the microbes break down the waste and water is evaporated. With both systems, the

land is dedicated to serving wastewater treatment and it cannot be used for other purposes. In the case of lagoons, they are surrounded by a fence and must be mowed and maintained to prevent volunteer tree growth, Presley said. Not every site is suitable for a lagoon, however. Lagoons require a soil with a depth of at least seven feet to bedrock and some homeowner associations may not allow them, despite the fact that they are a very effective solution, particularly for very

clav-ev soils. "In Kansas, the size of the wastewater treatment system is based on the number of bedrooms in the house with the occupancy of two people per bedroom," Presley said.

While both systems can last many years with proper maintenance, on occasion those systems will

"Failure can mean wastewater backing up into the house and it can also be water standing in the lateral field," Presley said. "These failures can happen for a variety of reasons, such as abuse, overuse, or when tree roots get into the pipes or from heaving as the result of settling overtime'

When determining the best location of the system, Presley said downhill from the homesite will be best, but if needed, waste can be pumped uphill if that's where the most suitable soil is found.

"It is important to look at the land slope when determining the best spot for the system," she said.

More information about on-site wastewater systems is available in publications from K-State Research and Extension, including:

Onsite Wastewater Systems — Overview

Site and Soil Evaluation for Onsite Wastewater Systems

Selecting an Onsite Wastewater or Septic System

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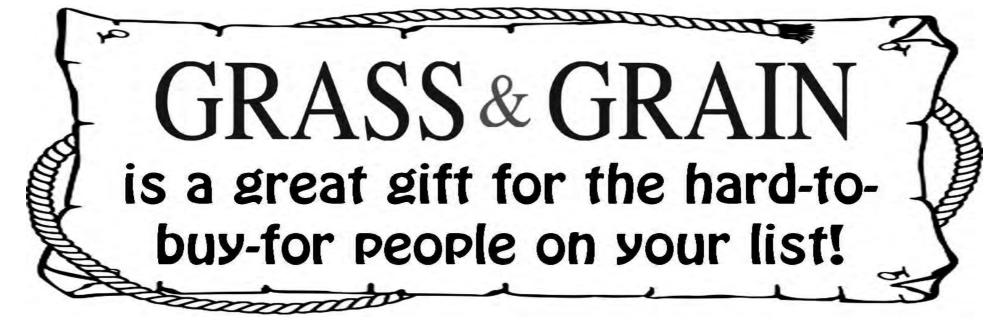
Note: Possession of this land will be upon completion of the Fall 2023 Soybean Harvest or January 1st, 2024; whichever comes first. This land will come with (1) Building Right, Will sell subject to

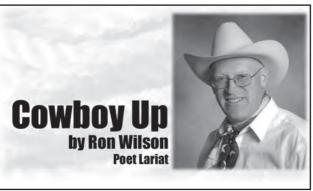
Directions: From the corner of Magnolia Rd. & Markley Rd. in Southeast Salina, drive 3.5-miles East on Magnolia Road. Turn South on S. Cunningham Rd. and drive 1-mile. Turn back East on E. Schilling Rd. and drive 1-mile. Turn back South on S. Niles Rd. and drive a 1/4-mile until you see the Subject Property on the West side of the road.

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More Than Fair

We had a real treat recently. A young horsewoman from Florida came to stay with us for a week, and we enjoyed taking her to county fairs in Kansas.

As background, my wife is active in the American Agri-Women organization. Those women and their affiliated organizations work hard and effectively to promote agriculture.

the Each summer American Agri-Women have a fly-in to Washington, D.C. Similar to other organizations, they make contacts at the relevant federal agencies, discuss policies, and spend time on Capitol Hill. Among the Agri-Women members that my wife met on her most recent trip was a woman from Florida and her 17-year-old daughter

Hannah was looking for

additional ag experience. Her mom and my wife hatched an idea: What if Hannah could come to Kansas for a week and stay with us at the ranch? It all worked out and Hannah came to visit this summer.

It was a delight. Hannah had a farm background originally and was active in 4-H, especially showing rabbits and poultry. But what impressed me most was her ability as a horsewoman.

Hannah seemed a natural on a horse. She had done dressage for several years and now enjoys riding western. She has a natural seat and a knack for working with horses.

Hannah helped with our chores and joined in the ranch work. She took one of our mares to the round pen and rode her enough to really help the

Horse Judging

I've always been a livestock judge. through animal science courses. But I've never been what I would call a well-trained judge of horses. I could judge the other species be it cattle, sheep, or swine, But if I wanted to try horses,

If I'm to be horse judge, I must enter on a quest To identify the factors which make a horse the best. So when I saw a Horse Judging Clinic advertised, I signed up, knowing my new goal

could soon be realized. I showed up for the class, plumb excited and all ears.

I sat with an old friend, a horse judge for many years. The speaker was terrific, covering many a basic fact: Skeleton, anatomy, and colors, breeds and tack. Then she got into the heart

of the judging information: Selecting a horse to match the ideal conformation. She spoke of balance and proportion that earn a horse's worth:

Clean neck, long hips, strong top-line, and a full & deep heart girth. She talked of structure and of travel, the need for strong, straight bone: Avoid the narrow base,

leave the cow-hocked horse alone. A well-muscled animal should earn our acclamation. She identified quality as an overall consideration. And finally, breed and sex characteristics

must be weighed, Whether stallion or mare, and the different roles they played. I turned to my seat partner, my long-time horse judge friend, And asked, "But what do I do when they're all even in the end?" He thought for just a minute. Then his reply gave me a chuckle: "Top place goes to the showman wearing the fanciest belt buckle!" Happy Trails!

By Ron Wilson, Poet Lariat then my skills must realign.

It was great fun. We took in horse shows and rabbit judging. She explained that her county fair in Florida takes place in February - and it's still

county fairs.

mare

The horse project is huge where she lives. She said that their county fair had 163 barrel racing entries last year, and the events went until 2 a.m.!

We wanted to expose Hannah to Kansas rural

life. She was so apprecia-

tive. We toured K-State

and went to the Flint Hills

Discovery Center. Then

we took her to some local

This led me to think about horse judging, which I don't know much about (see following poem). When I was a livestock judge, I was all about evaluating meat and muscle in

Grass & Grain, August 22, 2023 Page 19 judging market beef, sheep or swine. Horse judging factors seem more elusive or subjective. There isn't a carcass to evaluate in the end, for example. But while Hannah was here we enjoyed the horse shows and the judging, and we saw lots of pretty horses and great hard-working 4-H kids.

> It's been a few years since our daughter participated in the 4-H horse project and our kids aged out of 4-H. It was great to enjoy the fairs and shows again, especially without the pressure of kids competing. I'm mighty grateful that this new friendship was made through American Agri-Women, and especially thankful to Hannah for renewed fun at fair-time. It was more than fair!

FRIDAY, SEPTEMBER 22, 2023 - 10:00 AM At the Fairgrounds Commercial Bldg, WASHINGTON, KANSAS

The SW ¼ 4-2-3, Farmington Township, Washington County, KS 160 acres, m/l, with 41 acres cropland, with the balance of the farm being native grass pasture and excellent wildlife habitat. The cropland is a mix of Muir bottomland soils and terraced upland soils. The native grass pasture has been well managed, has good fences, and two small ponds. Devil's Creek crosses the northeast corner of the farm and this area is heavily timbered providing for excellent hunting opportunities. There is a farmstead area with an older unoccupied home, several good outbuildings, and rural water. The 2022 taxes were \$1,693.07.

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

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cultivator; Deutz-Allis GP 2.50 round baler; 200 gal. 3 pt. field sprayer; IHC 510 drill; Krause 2200 disc; Kubota 2122 R 42" mower; Troybilt mower; Miller/Bobcat 250 welder generator; 3 pt. fert. spreader; Trut-

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The U.S. House Natural Resources Subcommittee on Water, Wildlife and Fisheries held a hearing on the Black Vulture Relief Act, which would provide significant relief to cattle producers by lifting the cap on the number of lethal takes currently allowed. Missouri cattle producer Charlie Besher, chair of NCBA's Property Rights and Environmental Management Committee, testified before the subcommittee about the devastating impact the rapidly growing black vulture

"These birds are extremely vicious predators and their attacks on cattle are devastating, both emotionally and financially,"

populations are having on

livestock and ranchers'

bottom lines.



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785-539-7558 agpress3@agpress.com said Besher. After 50 years of federal protections, black vultures now number 190 million. They attack cattle in a particularly vicious way, usually targeting calves hours or even minutes after

Besher explained cattle producers have no desire to eradicate the species, but trying to manage them under the present restrictive system is unreasonable. Currently, the U.S. Fish and Wildlife Service

issues black vulture depredation permits to states and states issue sub-permits to producers, which only allow for take of three individual animals per year. Given that black vultures can attack multiple times a month in flocks as large as 50, these permits are insufficient to address the problem. The new legislation would allow producers to take vultures without a permit when there is an immediate need to protect their live-

stock from injury or death. "On behalf of NCBA and the thousands of producers who are losing cattle each year to black vultures, I urge Congress to pass this legislation to give farmers and ranchers more tools to protect their livestock," he said.

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Addy Snider earned Grand Champion Bucket Calf in the 7-9 year old division.



Reserve Champion Bucket Calf in the 7-9 year old division was earned by Grason Fielder.



The Grand Champion Bucket Calf in the 10-12 year old division was awarded to Tyler Projetti.



Deyton Dibben was awarded the Reserve Champion Bucket Calf in the 10-12 year old division.



Tava Gustafson won Grand Champion Market Beef with her 1444-pound Hereford. Judge for the show was



This 1235-pound Crossbred owned by Kaycee Brown was selected as Reserve Champion Market Beef.



Cody Brown was awarded Reserve Champion and Tava Gustafson was awarded Grand Champion in the Beef Showmanship division.



Goat award with her Junior Nubian Doe.



During the Geary County Free Fair, the Reserve Champion Dairy Goat was awarded to Natalie Hall with her Senior Nubian Doe.



Tava Gustafson took home Grand Champion Breeding Goat honors and also earned the Reserve Champion Goat Showman award.



Kaycee Brown. Brown also earned Grand Champion Goat Grand Champion Meat Goat. Judge for the show was Cody Showmanship honors.



Tava Gustafson's 75-pound entry was chosen as the

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The Reserve Champion Meat Goat at the Geary County Free Fair weighed in at 96 pounds and was shown by



In the Horse Showmanship division, Lane Svoboda was named Reserve Champion.



This 128-pound Hampshire lamb owned by Kacey Butler was awarded Reserve Champion Market Lamb honors. Butler was also named Grand Champion Sheep



The Reserve Champion Breeding Swine award was won by Kacey Butler with her Berkshire Breeding Gilt. Butler also earned Reserve Champion Swine Showman.



The Grand Champion Horse was an aged mare shown by Tava Gustafson. Judge for the show was Darcy Tweady.



In the Round Robin Showmanship Contest, Cody Brown earned Reserve Champion and Kacey Butler earned Grand Champion.



Emmy Gfeller was named Reserve Champion in Sheep



Clara Gfeller won Grand Champion honors with her 237-pound Crossbred in the Market Swine division. Judge for the show was Jade Parrish.

(to be picked)? from bloom is the most re-

Who doesn't love to take a bite out of a big, crunchy apple? Knowing when to pick those delicious apples depends on several factors, said Kansas State University horticulture expert Ward Upham.

"Apples mature over a long period of time depending on the variety," Upham said. Depending on the variety, they can mature as soon as July or as late as October and November.

Upham gives some guidelines to help decide when to pick your apples based on such factors as days from bloom, flesh color, seed color, color change and flavor.

Days from bloom

"The number of days

liable guide for maturity time, but weather conditions will have some influence," Upham said. The type of apple determines the days from bloom to maturity. For Jonathan apples, 135 days; Delicious, 145 days; Golden delicious, 145 days; and Winesap, 155 days.

Flesh color

When apples start to mature and starches change to sugars, the flesh changes from light green to white. "When you cut a thin slice and hold it up to the light you can see the difference," Upham said.

Seed color Most apple seeds change from light green to brown as the fruit ripens. "This indicator should be combined with other changes like flavor of the apple, change in the color of stem and calyx basins and flesh color," Upham

Color change

The skin color in areas of the stem and the calyx basin at the bottom of the apple turns from immature green to a light-yellow color. "Some apples develop a red skin color over the majority of the fruit before they are ripe. (That is) not a reliable indication of maturity," Upham said.

Flavor

"This is a good guide if you are familiar with the apples you have and know how they should taste," Upham said. "If they are not ready to harvest, they

will taste starchy or immature. If apples have already fallen and taste a bit starchy, store them for a period to see if they become sweeter."

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

Interested persons can also send their garden- and yard-related questions to Upham at wupham@ksu.edu, or contact your local K-State Research and Extension

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The Reserve Champion horse was an aged gelding shown by Grant Slough. Slough also earned Grand Champion for Horse Showmanship.



Kaycee Brown won Grand Champion Market Lamb honors with her 150-pound Crossbred. Judge for the show was Cody Swartz.



Tava Gustafson's Berkshire Breeding Gilt took home Grand Champion Breeding Swine honors. Gustafson also earned Grand Champion Swine Showmanship honors.



Kacey Butler's 285-pound Berkshire hog was selected as Reserve Champion Market Hog at the Geary County Free Fair.





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Beware of the danger of cyanide in grass is related to the amount

By Wendie Powell, Wildcat Extension District, livestock

production agent The phenomenon of prussic acid and its cautionary tale are well-documented. Also known as hydrocyanic acid or hydrogen cyanide, certain weather conditions create this problem in some types of grasses; sorghum, sudangrass, sorghum-sudan hybrids, johnsongrass and other fast-growing forages. Thoughtful management of these forages can minimize poisoning risks and allow safe use of these high-yielding for-

Prussic acid poisoning

consumed, how quickly it was consumed, and the animal's physical condition. It happens rapidly; often causing fatalities within minutes. Symptoms are increased pulse and respiration, excessive salivation and foaming, blue coloring in the mouth lining, difficulty breathing, staggering, convulsions, and collapse. Death from respiratory paralysis follows shortly.

The clinical signs of prussic acid poisoning are similar to nitrate toxicity, but animals with cyanide poisoning have bright red blood that clots slowly, whereas animals poisoned with nitrates have chocolate-colored dark, blood. The smell of bitter almonds is often detected in animals poisoned with cvanide. Because it occurs quickly, the symptoms are usually observed too late for effective treatment.

Prussic acid poisoning can occur when livestock consume regrowth after a drought-ending rain or the first autumn frost. So, avoid grazing or green-chopping young sorghum or sudangrass plants or regrowth. Losses occur when hungry or stressed animals graze the regrowth of plants prone to prussic acid production. Ruminants are lyzed before feeding. particularly susceptible because cud chewing and rumen bacteria both contribute to releasing cvanide into the bloodstream.

Prussic acid concentrations are greater in fresh, standing forage than in silage or hay because hydrogen cyanide is volatile and dissipates as the forage dries or ensiles. However, if the forage had extremely high cyanide content before cutting, or if the hay was not properly cured, hazardous concentrations of prussic acid could remain. Hay or silage that likely contained high concentrations at harvest should be ana-

Testing for prussic acid can be tricky. Proper sample handling is extremely critical to ensure that the lab test will be representative of what is being fed to livestock and that the prussic acid did not volatilize during shipment. To test, obtain a fresh representative sample, one to two pounds from across the field. Do not allow the sample to dry. Place in an air-tight plastic bag, cool the sample quickly, and ship to the lab the fastest way, usually overnight express, in a cooler with an ice pack. Remember, cvanide content dissipates with the drying of the

arrives at the lab drier than the fresh forage that is fed, a false negative result will likely occur.

Wildcat Extension District has a field test available for prussic acid. This test is only qualitative: the level of concentration will not be determined. This field test is helpful in determining the need to send samples to a lab. Samples must be tested as fresh as possible, call our offices to schedule testing.

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

Five calf health considerations to maximize immi unity, decrease disease

By Lacey Fahrmeier, DVM, Valley Vet Supply **Technical Service** Veterinarian

I grew up in the cow/ calf sector, and the topic of calf health is very near and dear to my heart. We want to give calves the best chance possible to thrive and of course, survive, through the really critical neonatal calf period. Ranchers have so much invested in the genetics. and in the long process of getting that live calf on the ground, that we want to do everything we can to protect that investment.

Let's look at how to give our young calves the best possible start this fall.

The foundation for a strong, healthy calf really starts with the dam. Her nutritional status is incredibly important. If cows are not in the body condition that we would like going into calving that can affect the colostrum quality. Cows begin

Cows:

the colostrum production process about 60 days before calving, so ideally we would like to have the dam in at least a body condition score of 6 at that point.

Colostrum intake is the single most important preventative factor in assuring healthy calves. Calves are born with essentially no immunity of their own, so they're extremely vulnerable to infections when they hit the ground. Colostrum intake is of critical importance for young calves - providing some 95% of the antibodies a calf obtains, plus a rich source of minerals. vitamins and energy. The colostrum received at birth protects newborn calves against infectious agents during the first few months of life. The benefits of good quality colostrum from the dam and getting it into the calf in a timely manner is su-

We only have a short window where they can absorb the antibodies from their dam right through that gut wall and then after that, we have gut closure at about 24 hours. The first six hours of life are especially important because that's when you can get the best absorption of those antibodies from the dam. If you are unsure about the calf's colostrum intake being adequate for some reason (difficult birth, harsh weather, heifer with poor maternal instincts). it's a good idea to provide a colostrum replacer to ensure they get what they need for a solid start. Calves should have 300 grams of immunoglobulins (IgG) within those first six to eight hours to ensure full passive transfer of immunity. This is a higher level than previously recommended. Be sure you are using a colostrum replacer instead of a suppleto see how many grams of IgG are in each bag, so the calf gets the proper amount. I really can't sufficiently underscore the importance of getting an adequate amount of colostrum into the calf in those first few hours of life.

Vaccinations against clostridial diseases benefit the cow and calf. The dam's immune status greatly impacts the quality of her colostrum, the best way to influence that is through her vaccination status. At preg check, I have producers vaccinating cows for the clostridial diseases, of course it benefits the cow herself, but additionally, it enhances the colostrum she is producing. You really want to have scour prevention or clostridium vaccines in them at least 60 days before calving. This will add value through higher antibody levels in that colostrum, helping ensure its quality. This is especially important in firstcalf heifers that have not been exposed to as many

The environment that calves are born into is incredibly important. Trying to have those calves spread out and decreasing the pathogen load that they're exposed to is crucial. This way, when those calves hit the ground, they ar-

pathogens in their lives.

to such a high concentration of disease pathogens. especially the ones that cause scours. More mud and manure lead to greater contamination risk of the cow's udder. Bacterial pathogens such as E. coli, Salmonella and Johne's, as well as rotavirus and coronavirus can be transmitted by the calf ingesting those disease particles while nursing or from the environment.

That is why the proven "Sandhills Calving Method" works so well to help minimize disease exposure and illness. With this management strategy, at about three weeks into the calving season, you move those cows that haven't calved yet to clean ground. Leave behind those cows and their calves from the first three weeks of the season. By moving the cows that haven't calved yet to clean ground, this concept is replicating the cleanliness of that first three weeks of calving throughout the calving season. I know that logistically there are some challenges to implementing this system, such as access to water sources and shelter/ working facilities. Being able to keep those groups separate isn't always easy, but if you're facing a big outbreak of scours, that's

Applying vaccines early in life helps give calves a solid start. We're finding out that calves can respond to and benefit from, vaccines much earlier in life than we initial-

the best solution.

maternal antibodies that they receive from colostrum can block some of those vaccines. To maximize their effectiveness, it's really important to administer them as soon as possible following birth (ideally before colostrum ingestion for oral scour vaccines).

I recommend, as soon as possible following birth, to administer Clostridium Type C & D vaccine (to combat the dreaded "overeating" or enterotoxemia), an intranasal respiratory vaccine, and an oral scour vaccine if there has been a history of scours issues on that ranch. If you are concerned they are deficient on minerals, you could offer an injectable source of minerals as well.

Learn more at ValleyVet.com to help ensure a healthy, productive herd.

About the author: Lacey Fahrmeier, DVM, is a graduate of Kansas State University's College of Veterinary Medicine. In addition to her role on the Valley Vet Supply Technical Service veterinary team, Dr. Fahrmeier is a practicing veterinarian at a Southern Montana veterinary clinic, serving animals small and large. She places special interest in large animal reproduction and bovine lameness. Recently appointed to the American Veterinary Medical Association's Council on Veterinary Service, Dr. Fahrmeier represents the Private-Practice Predominantly Food Animal interests of the Association.



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The impact of pinkeye in cattle: causes, signs, and best practices for control and prevention

infectious bovine keratoconjunctivitis, is a painful eye disease that affects cattle worldwide. It is more prevalent in cattle with light-colored faces and in environments with bright sunlight, dust, and certain other conditions. Outbreaks can occur at any time, but the risk is highest during the summer months.

Here's a look at the causes, signs, treatment, control and prevention of pinkeye, provided by Kansas State University's Beef Cattle Institute.

Cause of Pinkeye Pinkeye is typically caused by minor eye injuries resulting from factors, including:

- bright sunlight
- dust
- wind tall grass or weeds
- plant seeds
- pollen face flies
- diseases like bovine rhinotracheitis (IBR)

If these injuries do not lead to an infection with pinkeye-causing germs, of irritation characterized by excessive tearing. However, if the injured eyes become infected, serious problems can arise, and it may be necessary to consult a veterinarian to determine whether the issue is due to pinkeye or another disease.

Various organisms can cause pinkeye infections, with the most common being Moraxella bovis. This bacterium possesses hair-like structures that enable it to attach to the eye's surface. Additionally, it produces an enzyme that destroys cells on the eye's surface.

Moraxella bovis can spread to other cattle through direct contact with eye discharges or via face flies, which carry the organism from one animal to another. Face flies are particularly involved in pinkeye transmission as they irritate the eyes of cattle, making them more susceptible to infection. They can pick up the organism while feeding on the face of infected ani-

eyes of other cattle within a herd.

Calves are believed to be more vulnerable to pinkeye than older animals due to their lack of immunity and their closer proximity to dust, pollen, and tall grass or weeds.

It is generally believed that cattle infected with a specific type of Moraxella bovis will not contract the disease again for over a year. However, there are different types or families of this bacterium, and immunity to one type does not guarantee protection against other types. Furthermore, other germs can also cause pinkeye infections, and previous immunity to Moraxella bovis infections does not safeguard against these infections.

Signs of Pinkeye

The initial sign of pinkeye is increased tearing, resulting in excessive wetness around the eyes. On closer examination, the inside lining of the eyelid and the white portion of the eye will appear red.

As the disease pro-

ulcer often forms in the center of the visual portion of the eye, and if it becomes deep enough, the eye can rupture.

Without treatment. many animals will heal within three to six weeks. Some animals will heal without any evidence of previous issues, while more severely affected individuals may develop a white scar on the eye's surface, which may fade over time. Ruptured eyes will lead to blindness and severe disfigurement.

Treating Pinkeye

The best method of treating cattle with pinkeye involves administering antibiotic injections and reducing exposure to dust, weeds, and sunlight. Most strains of Moraxella bovis are susceptible to antibiotics that can be injected under the skin of the neck.

Covering the affected eye with a patch glued over the face or sewing the eyelids shut can help alleviate discomfort by reducing sunlight exposure and limiting the spread of

If possible, affected calves should be relocated to shaded areas with minimal dust exposure, where they can receive easy treatment. Adequate feed and water should be provided to the calves and their dams until they can be reintegrated with the rest of the herd once their eves have healed.

Preventing and **Controlling Pinkeye**

Preventing and controlling pinkeye involves reducing exposure to environmental risk factors like dust, pollen, tall grass and weeds through effective pasture management. Face fly burden can be reduced by using chemical pesticides, and affected individuals should be isolated from the rest of the herd.

While it may seem that vaccination could be an effective prevention method due to the apparent immunity that develops after recovery from an infection and the higher level of natural immunity in older animals, vac-

be particularly successful in preventing pinkeye. Although they provide partial protection, factors such as the ability of Moraxella bovis to change types, the presence of other organisms, or environmental conditions can hinder the vaccines' effectiveness.

Pinkeye is a frustrating disease for ranchers as they can experience years without problems, only to face a year where a high percentage of calves are affected without any apparent changes. Although vaccines are commonly used for protection, several factors work against their effectiveness. Treating pinkeye cases requires significant labor, particularly when calves are on pasture and difficult to capture individually. While no simple solutions exist, adopting strategies like good pasture management, effective fly control and early detection and treatment of eye problems can help minimize the impact of

Rye the right crop for "nabbing" nitrates, capturing carbon and generating bioenergy of field residue, called loss more than when each the ARS Soil and Water

Winter rye is prized for its versatility. It is a source of grain and also a forage and ground cover that protects the soil from erosion by wind and rain. But the benefits of winter rye don't stop there.

A series of studies, begun in 2015, by a team of Agricultural Research Service (ARS) and university collaborators suggest that establishing a cover crop of winter rye between rotations of corn and soybean can reduce nitrate losses, sequester carbon, and provide a source of renewable natural gas.

Robert Malone, an agricultural engineer with the ARS National Laboratory for Agriculture and the Environment in Ames, Iowa, is coordinating the studies to evaluate rye's potential role in the "sustainable intensification of agriculture"—an approach deemed critical to meeting growing world demand for food, feed, fiber, and fuel without overtaxing what the land and natural resources can provide.

In the latest studies, the team used a field-scale computer model to simulate rotations of corn and soybean, with or without winter rye cover crops, at 40 sites across the North Central United States, including parts of the Mississippi River Basin, which empties into the Gulf of Mexico.

Among results recently published in the journal of Environmental Research

Establishing a winter rye cover crop between corn-soybean rotations in tile-drained fields (meaning, those using a system of underground

STEERS/BULLS

BEEF

900-1,000# \$247.00-\$222.00

HEIFERS

400-500#

500-600#

600-700#

700-800#

300-400#

400-500#

600-700#

700-800#

800-900#

900-1000#

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Baileyville, KS

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\$248.00-\$238.00 \$247.00-\$230.00

\$223.00-\$220.00

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Market Report for 8-17-23. 772 Head Sold.

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Individual Report

STEERS

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13@675# \$266.00

63@920# \$246.75

64@880# \$246.25

130@844# \$244.75

HEIFERS

6@469# \$263.00

5@611# \$248.00

2@737# \$227.00

Jeff Cook

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Hanover, KS

FIELDMEN

Taylor Schotte

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Marysville, KS

drainage pipes to remove excess water) reduced nitrate levels in drainage water by more than 45 percent compared to rye-free fields-or about 21 and 44 kilograms per hectare, respectively.

Across the 63total million hectares (approximately 156 million acres) of North Central farmland that the model's simulations encompassed. use of a winter rye cover crops on tile-drained fields translated to a 27 percent reduction in nitrate loads entering the Gulf of Mexico via the Mississippi River basin.

Nitrate poses an environmental concern when it goes unused by crop plants and escapes into streams, river, lakes and other bodies of surface water, compromising water quality and helping fuel algal blooms. The subsequent death and decay of the algae in these blooms consumes oxygen, killing or driving off fish and other aquatic life.

In coastal waters like the Gulf of Mexico, this condition is known as hypoxia, and it creates a "dead zone" spanning several thousand square miles, a size that can exact a costly toll on commercial fisheries and other associated industries. This summer, for example, the Gulf's dead zone is forecasted to cover 4,155 square miles.

"A variety of factorsincluding the effects of excess nutrients and water-body stratification (layering) due to saline or temperature gradients—can create hypoxic conditions. In North America, the size of the hypoxic area in the

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COWS-HIGH

YIELDING:

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COWS-LGT

WT & LOW

YIELDING:

\$81-\$74

BULLS:

\$129.50-\$113

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Gulf of Mexico correlates strongly with spring nitrate-nitrogen loads from the Mississippi River," explained Malone, who collaborates on the modelling studies with 15 other researchers from three ARS laboratories and four universities.

Climate-change may increase the likelihood of hypoxic conditions in the Gulf of Mexico, lending urgency to U.S. Environmental Protection Agency task force efforts to reduce nitrogen and phosphorous loads from the Mississippi River basin by 45 percent

"The use of cover crops such as winter rve in corn-soybean rotations in the North-Central U.S. is one of the most promising conservation strategies for reducing nitrate loads to streams and rivers that discharge into the Mississippi River," according to

In addition to curbing nitrate losses, winter rye cover crops may also have a role to play in capturing (or, "sequestering") car-

According to the model's simulations, establishing winter rve cover crops in corn-soybean rotations across the North Central U.S. could produce more than 18 million metric tonnes (19.8 million tons) "biomass." That rye residue, in turn, has potential to yield 210 million megajoules of energy annually-the equivalent energy content of 2.3 billion gallons of ethanol-were it to be converted into bio-methane gas using anaerobic digesters.

The simulations also indicate that in the bio-methane production process. a standard filtration step called "upgrading" could enable the removal and capture 8.3 million tons annually of carbon dioxide, preventing its release back into the atmosphere when the biogas is burned for power or heat and creating a carbon sequestration benefit for farmers.

The researchers don't view winter rye cover crops as a proverbial "magic bullet" for managing nitrogen and improving the environment, howver. Rather, it's likely to be integrated with other measures, including the use of saturated riparian buffers, controlled drainage, wetlands and biore-

"Combined conservation practices such as winter rve cover crops and edge-of-field practices like using the saturated buffers are sometimes called 'stacked practices,' and they may reduce nitrogen

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

MARKET REPORT FOR TUESDAY, AUGUST 15, 2023 **RECEIPTS: 759 CATTLE** FOR FULL RESULTS, VISIT OUR WEBSITE: WWW.HOLTONLIVESTOCK.COM

Hiawatha383@300.00 2 blk bwfLyndon 417@290.00 Topeka 666@268.00 19 blk 696@261.00 Whiting 716@256.50 65 blk red Netawaka 747 @ 249.50 14 blk red Netawaka 944@219.50 Whiting 506@142.50 3 hols

HEIFERS Hiawatha365@275.00 4 blk 38 blk red Goff 636@271.25 12 blk Hoyt 662@258.5053 blk Denton 743@255.00 15 blk red Nortonville 720 @ 246.50 63 mix Corning 840@239.75

53 blk bwfValleyFalls 981@196.00

Leavenworth 760@233.00

LIVESTOCK PRODUCER MEETING, Thursday, September 7, 6:30 PM

Practical Use of LRP (Livestock Risk Protection) Presented by Joe Kovanda, Compass Ag Solutions Please join us for this informative meeting.

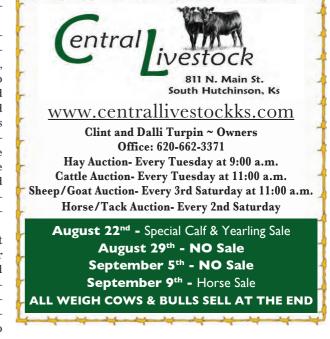
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practice is used individually," said Malone.

Along with colleagues in Ames, Malone co-authored the Environmental Research Letters paper together with scientists from Management Research Unit, the ARS Arid-Land Agricultural Research Center, Pennsylvania State University, Iowa State University, McGill University and Purdue University.



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Market Report - Sale Date 8-17-23. 1580 head

300-400 lb. steers, \$281-\$329; heifers, \$251-\$294; 400-500 lb. steers, \$269-\$306; heifers, \$244.50-\$277; 500-600 lb. steers, \$265-\$288; heifers, \$236-\$259.50; 600-700 lb. steers, \$241-\$262; heifers, \$239-\$255; 700-800 lb. steers, \$250-\$262; heifers, \$233-\$244.40; heifers, \$221-\$239.25. Trend on Calves: Mostly steady, supply mostly bawlers. Trend on Feeder Cattle: Hfrs fully steady, strs steady to \$2 lower on light test. Butcher Cows: High dressing cows \$110-\$136; Avg. dressing cows \$95-\$110; Low dressing cows \$75-\$95. Butcher Bulls: Avg. to high dressing bulls \$123-\$136.50. Trend on Cows & Bulls: Mostly \$2-\$4 higher. Some Highlights Include:

	HEIFERS		STEERS	
6 blk	427@277.00	7 blk	361@313.00	
15 mix	433@260.00	11 mix	417@303.00	
6 blk	530@256.00	3 blk	525@288.00	
68 mix	596@259.50	12 mix	563@270.00	
21 mix	648@255.00	18 mix	694@262.00	
81 mix	658@252.00	14 mix	748@251.50	
69 mix	743@249.75	36 mix	757@252.00	
67 blk	785@242.50	58 mix	834@244.50	
64 blk	787@240.25	53 mix	872@239.00	
6 blk	841@228.00			
Next Sale: Thursday, AUGUST 24, 11 AM 13 black running age spring calving pairs that have been running				

back with Angus bull 50 black steers & heifers, off cows, 450-650lbs

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Cattle Sale Every Thursday 11:00 AM



Schwieterman Market Outlook

A marketing commentary by Bret Crotts

The cattle on feed estimates came in close to expectations with the On Feed number at 95%, Placements at 92%, and Marketings at 98%. While these numbers certainly aren't bearish, there probably isn't much in the numbers that will be construed as bullish in the short run. because the numbers were close to expectations. For the long run, however, this report keeps the theme of lower cattle supplies in-

Cattle futures did not have a great week. The October live cattle contract now as a string of six sessions with lower highs and lower lows. The October live cattle also made their second consecutive close below the 50-day moving average on Friday, which is generally bearish, although we didn't see much weakness the last two times this happened.

Feeder cattle futures weren't much better. The feeders have been in a holding pattern for two months and are on the verge of breaking out to the downside. The 50-day moving average held as support at the end of the

week, which is reason for optimism, but the general weakness in the live cattle, coupled with the potential for strength in the corn, set up a negative scenario for the feeders over the next week or so.

The cattle market is at a critical juncture. Another week of softer cash trade could cause a downturn in the long-term trend of the cattle futures. This is time when you should be using put options to protect yourself. Give yourself a price floor, without giving away your upside potential in case this turns

out to be just like all the other recent corrections in the cattle market.

Grains finished the week on a strong note thanks to a hot and dry forecast for the Corn Belt and another round of Ukraine/Russia war headlines. The war headlines have not carried much weight lately, so it was a little surprising to see the gains hold on Friday. It helps tremendously that the market was due for a corrective bounce, so it did make since to see profit-taking as we headed into a hot and dry weekend.

Next week is the Pro Farmer Crop Tour, which is always interesting. The bulls always doubt the yield results and bears are always seeing record yields. What the trade is looking for this year is confirmation that we will have another sub-trend line vield. Unless the tour finds a disaster so it is something much better than expected, the tour won't have much impact on the market.

On the charts, the late week strength in the corn, wheat, and soybeans suggest that we have the potential for further gains. For the corn and wheat this does not mean we are

going to race back up to the recent highs, but it does mean that it is likely that we get a 30-50 cent bounce in the corn and something in the 50-75 cent range in the wheat. A rally like that would probably be a selling opportunity as we head into harvest.

The soybeans are a lit-

tle bit different since that market has not seem the same amount of pressure that the corn and wheat have, and August weather is much more critical to soybean yield than it is for corn. The soybeans definitely have a chance at making new contract highs in the month of August. A couple of weeks of lower crop condition ratings would have traders doubting the current USDA yield estimate. Throw in a few more sales to China and then the bulls really have something to work with.

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, www.upthelimit.combret@swbell.net

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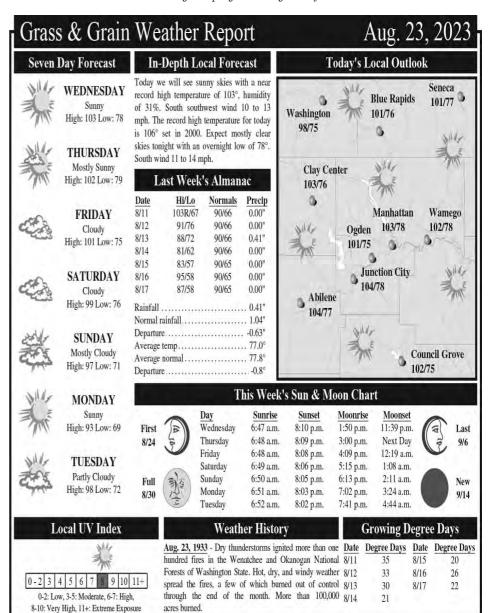
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Cattle

1 blk cow

STARTING TIME 10:30 AM

Tuesdays

We sold 1896 cattle August 15. Steer and heifer calves were in good demand at steady prices. Feeder steers and heifers were steady with last week's higher prices. Cows and bulls sold steady to \$3.00 higher.

1 bwf str 310 @ 282.50 1 bwf str 485 @ 280.00 1 blk str 443 @ 279.00 3 blk/red strs 235 @ 275.00 1 blk bull 4 mix strs 516 @ 270.00 STOCKER & FEEDER STEERS 583 @ 295.00 6 blk strs 16 blk/bwf strs 603 @ 286.50 9 bwf strs 614 @ 275.00 19 blk/bwf strs 674 @ 271.50 614 @ 269.00 7 blk/bwf strs 566 @ 268.00 41 wf strs 6 blk/char strs 661 @ 266.00 96 hereford strs 679 @ 265.00 6 blk strs 659 @ 264.00

23 blk/bwf strs

6 blk/bwf strs

3 blk/bwf strs

25 blk/red strs

14 blk strs

1 blk str

2 blk strs

STEER & BULL CALVES 6 blk strs 701 @ 255.00 508 @ 308.00 70 hereford strs 769 @ 254.50 480 @ 298.00 724 @ 253.00 5 blk/char strs 498 @ 289.00 750 @ 252.00 6 blk strs 470 @ 285.00 6 blk/red strs 743 @ 251.00 6 blk/bwf strs 797 @ 246.25 858 @ 246.00 121 blk/bwf strs 815 @ 245.00 8 blk/wf strs 5 blk strs 6 blk/bwf strs 31 blk/red strs 49 blk/bwf strs 197 blk/bwf strs

827 @ 244.25 808 @ 244.00 859 @ 242.00 802 @ 240.00 909 @ 237.75 827 @ 237.00 7 blk strs 67 blk/bwf strs 971 @ 234.50 771 @ 233.00 10 blk/bwf strs 927 @ 225.50 59 mix strs 962 @ 224.00 122 x-bred strs 239 blk/bwf strs 999 @ 223.50 61 mix strs 926 @ 223.00 **HEIFER CALVES**

2 blk/bwf hfrs 463 @ 281.00 500 @ 278.00 3 blk/bwf hfrs 6 blk hfrs 426 @ 270.00

546 @ 261.00 1 blk cow 1835 @ 134.00 1520 @ 130.00 490 @ 245.00 1 blk cow 1 blk cow 1375 @ 129.50 **STOCKER & FEEDER HEIFERS** 1 red cow 1420 @ 127.00 2 x-bred hfrs 620 @ 257.00 1 bwf cow 1400 @ 126.00 23 blk/red hfrs 600 @ 252.75 1 blk cow 1285 @ 125.50 1 blk cow 930 @ 125.00 9 blk hfrs 572 @ 251.00 81 hereford hfrs 631 @ 246.75 1 bwf cow 1365 @ 124.00 1630 @ 122.00 11 wf hfrs 554 @ 245.00 1 blk cow 6 blk/bwf hfrs 684 @ 244.00 1 blk cow 1260 @ 119.00 2 blk cows 64 blk/bwf hfrs 785 @ 241.75 1160 @ 118.00 32 blk hfrs 760 @ 241.50 1 blk cow 1225 @ 116.00 1 blk cow 1240 @ 115.00 8 blk/bwf hfrs 795 @ 239.00 7 blk hfrs 609 @ 235.00 1 bwf cow 1225 @ 114.50 42 blk/char hfrs 706 @ 234.75 1 blk cow 1245 @ 114.00 13 blk/bwf hfrs 755 @ 225.00 1 bwf cow 1440 @ 113.00 3 blk hfrs 945 @ 224.50 1 blk cow 1265 @ 112.00 3 blk hfrs 915 @ 216.00 1 blk cow 1520 @ 111.00 4 wf hfrs 708 @ 207.00 1 blk cow 990 @ 110.00

509 @ 268.00

544 @ 263.00

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1 blk cow

1 blk cow

1 blk cow

1 char cow

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CONSIGNMENTS FOR TUESDAY, AUG. 22, 2023:

 75 blk cows, 3-7 yrs old, bred to Angus bulls, start calving Sept. 1, complete herd dispersal 240 blk steers, 850-900 lbs., off grass

• 46 blk strs & hfrs, 600-700 lbs., weaned, vacc.

CONSIGNMENTS FOR TUESDAY, AUG. 29, 2023: 50 SimAngus strs & hfrs, lbs., 550-650 lbs. weaned, vaccinated

480 blk char steers, 750-850 lbs., off grass

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