

Kansas organizations launch effort to stop the spread of COVID-19 in Kansas

Stop the Spread Kansas is a public awareness campaign urging Kansans to do their part in slowing the rate of COVID-19 infections across the state. Stakeholders are encouraging Kansans to follow the Centers for Disease Control guidelines, avoid mass gatherings, use face coverings and other measures to preserve precious health care resources. Campaign partners in-

clude the Kansas Hospital Association, Kansas Chamber, Kansas Farm Bureau and the Kansas Medical Society. Additional organizations are likely to join the statewide effort that will begin before Thanksgiving. "Hospitals across the state are facing significant capacity and staffing constraints because of increased COVID-19 spread, and this campaign will

help ensure the normal standards of care Kansans expect will be preserved," said KHA president and CEO Chad Austin. "All mitigation efforts taken over these next several weeks will be critical to keeping Kansas businesses, schools and other services safely open." Kansans can access campaign resources, industry-specific toolkits and guidance from the

CDC and the Kansas Department of Health and Environment at www.StopTheSpreadKansas.org. The landing page will provide numerous communications resources over the next few weeks to help Kansans spread the word, not the virus. "The Kansas business community is committed to the health and safety of employees and customers. Companies small and large across the state have requirements and protocols in place regarding facemasks and other measures that allow for social distancing and additional cleaning. However, we need all Kansans taking these voluntary actions. It will make a tremendous difference and reduce the pressure on our health care system. We encourage all Kansans to do their part to stop the spread of this virus," said Alan Cobb, president and CEO of the Kansas Chamber.

responsibility. The campaign will employ grassroots outreach and advertising to encourage all Kansans 18 and older to make the changes necessary to save lives. The most important aspect is educating citizens on the four tools they can use to stop the spread of COVID-19: Wearing a mask, Washing your hands often, Keeping a safe distance, Avoiding large gatherings.

By using these measures, especially during the holiday season, Kansans can show they are taking responsibility for protecting their communities. These small sacrifices will ensure our health care system and hospitals have the staff and resources necessary to provide live-saving care when needed. Slowing the spread also allows our schools, businesses and communities to safely remain open.

"Clearly COVID-19 is now infecting more Kansans than ever. Physicians and other frontline health care workers across the state are working tirelessly to help those who contract the virus get well again—all while they continue to care for patients with other needs. To reduce the spread of COVID-19, Kansas physicians encourage everyone to wear a mask and practice safe social distancing," said Rachelle Colombo, Kansas Medical Society executive director.

"It's imperative we use every tool at our disposal to stop the spread of COVID-19 in Kansas. We must act quickly to alleviate strain on our hospital systems so our schools, businesses and communities can continue safely operating. I encourage all Kansans to avoid large gatherings and practice social distancing. When that's not possible, please wear a mask to help keep Kansas open," said Rich Felts, Kansas Farm Bureau president.

perative that we have a federally orchestrated vaccine distribution program and prioritization of vaccination among population groups," the groups said in a letter to President Trump. "We strongly support prioritizing essential works in critical infrastructure industries, including those responsible for ensuring the continuity of our nation's food supply."

The North American Meat Institute joined 15 other organizations representing the food supply chain asking the White House to prioritize food production employees

when a vaccine for COVID-19 becomes available. "Our members have been on the front lines of the response to the pandemic by continuing operations and ensuring Americans have access to safe, nutritious and affordable food. Challenges have taxed the food supply chain over the past eight months, but... the supply chains have not broken. Once a vaccine for COVID-19 is developed, it is im-

Grass & Grain Weather Report Dec. 2, 2020

Seven Day Forecast

WEDNESDAY
Partly Cloudy
High: 43 Low: 23

THURSDAY
Partly Cloudy
High: 41 Low: 22

FRIDAY
Sunny
High: 45 Low: 24

SATURDAY
Sunny
High: 47 Low: 28

SUNDAY
Cloudy
High: 46 Low: 25

MONDAY
Sunny
High: 45 Low: 26

TUESDAY
Sunny
High: 44 Low: 23

In-Depth Local Forecast

Today we will see partly cloudy skies, high of 43°, humidity of 57%. Northwest wind 7 to 14 mph. The record high for today is 71° set in 2012. Expect partly cloudy skies tonight, overnight low of 23°. North wind 8 mph. The wind chill for tonight could reach 14°.

Last Week's Almanac

Date	Hi/Lo	Normals	Precip
11/20	64/45	53/28	0.00"
11/21	52/42	52/28	0.04"
11/22	56/26	52/27	0.00"
11/23	48/31	51/27	0.21"
11/24	57/43	51/27	0.69"
11/25	40/26	50/26	0.84"
11/26	57/24	49/26	0.00"

Rainfall 1.78"
Normal rainfall 0.30"
Departure +1.48"
Average temp 43.6°
Average normal 39.1°
Departure +4.5°

Today's Local Outlook

This Week's Sun & Moon Chart

Last	Day	Sunrise	Sunset	Moonrise	Moonset	First
12/7	Wednesday	7:28 a.m.	5:04 p.m.	6:58 p.m.	9:33 a.m.	12/21
	Thursday	7:29 a.m.	5:03 p.m.	7:54 p.m.	10:26 a.m.	
	Friday	7:30 a.m.	5:03 p.m.	8:56 p.m.	11:13 a.m.	
	Saturday	7:31 a.m.	5:03 p.m.	10:02 p.m.	11:54 a.m.	
	Sunday	7:32 a.m.	5:03 p.m.	11:09 p.m.	12:30 p.m.	
	Monday	7:32 a.m.	5:03 p.m.	Prev Day	1:02 p.m.	Full 12/29
	Tuesday	7:33 a.m.	5:03 p.m.	12:18 a.m.	1:31 p.m.	

Local UV Index

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

Weather History

Dec. 2, 1925 - A late season hurricane caused extensive damage across the Florida peninsula, then moved off the Georgia coast crossing Cape Hatteras as a tropical storm. The storm produced whole gales along the Middle Atlantic and Southern New England coast.

Growing Degree Days

Date	Degree Days	Date	Degree Days
11/20	4	11/24	0
11/21	0	11/25	0
11/22	0	11/26	0
11/23	0		

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NO SALE WAS HELD FRIDAY, NOVEMBER 27 FOR THANKSGIVING HOLIDAY.

EARLY CONSIGNMENTS FOR DEC. 4

SELLING AT NOON:

- 50 big choice bwf Red Ang X & blk 1st calf hfrs, bred to LBW Ang bulls to start calving Feb. 14 for 60 days.
- 80 head complete dispersal of home raised Heref cows, bred hfrs, yearlings & light calves, approx. 30 yrs to BB) several bred & open yearling hfrs, yearling str & approx. 15 Herf calves 300-450#. The cows and bred hfrs are bred to Angus bull

- 24 blk Angus str, 50 days weaned, 2 rds shots, 575-700 lbs.
- 28 blk bwf str & hfrs, weaned 45 days, 2 complete rds shots, 500-550 lbs.
- 55 choice blk bwf str & hfrs, Spring & Fall shots, 500-650 lbs.
- 15 blk str & OCV hfrs, weaned 5 weeks, 2 rds shots, 625-725 lbs.
- 15 Heref str & OCV hfrs, bunk broke, weaned 5 weeks, 2 rds shots, 550-650 lbs.
- 61 choice reputation home raised Angus str, 800-850 lbs.
- 45 Angus, Red & Char str & hfrs, weaned Oct. 31, Black leg, Pink eye in Spring, bunk broke, on hay, 500-625 lbs.
- 75 Angus & Char cross str & hfrs, long weaned, green, 700-800 lbs.
- 40 blk, bwf str & hfrs, weaned 45 days, 2 rds shots, 500-650 lbs.
- 13 home raised blk Ang str & hfrs, long weaned, bunk broke, 2 rds shots, 550-600 lbs.
- 30 Angus str & hfrs, weaned Nov. 1, one rd respiratory in Spring, 500-600 lbs.
- 70 choice Blk & Red Ang str & hfrs, weaned 45 days/ 2 complete rd shots, 550-700 lbs.
- 20 Heref str & hfrs, weaned 6 weeks, 2 complete rds shots, 500-600 lbs.
- 77 Fancy Ang str & repl. quality hfrs, complete pre-wean shots, bunk broke, 650-750 lbs.
- 12 Gelv Heref str & hfrs, 6 weeks & weaned, shots, 500-700 lbs.

EARLY CONSIGNMENTS FOR DEC. 11

- 80 Choice reputation blk Angus, Red Angus, & BWF str (70) & hfrs (10), weaned 65 days/ complete Spring shots/ Bovishield Gold at pre wean, 600-725 lbs.
- 65 Choice reputation, Red Angus str, weaned 120 days/ all shots, 600-725 lbs.
- 12 Choice rep., repl. quality Red Angus hfrs, weaned 120 days/ all shots, 575-625 lbs.
- 140 choice reputation Angus age & source verified bwf, blk, & Red Baldy cross str, 2 rds Zoetis wean vac program shots/ weaned 60 days. 600-725 lbs.

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- 45 choice South Dakota origin Angus 1st calf OCV hfrs AI bred to Conneally Emerald for Feb 1-15 calving
- 40 choice Angus 1st calf OCV hfrs bred to LBW Angus bull for Feb-March calves, all shots plus scourgard/pelvic measured.

BRED COWS

- 59 blk Angus cows, 4 yrs and older, bred Angus bull for Spring calves.
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- 100 choice blk, bwf cows, 3-6 yrs, bred Angus or blk Simm bull, due Feb. 5.
- 35 blk cows, 4-6, bred to BJ Slocomb Angus bulls late April for Feb.-March calves.

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EARLY CONSIGNMENTS FOR DEC. 18

- 100 choice reputation Angus & Simm Angus str & replacement quality hfrs, 3 rds shots, weaned 60 days, 600-800 lbs.

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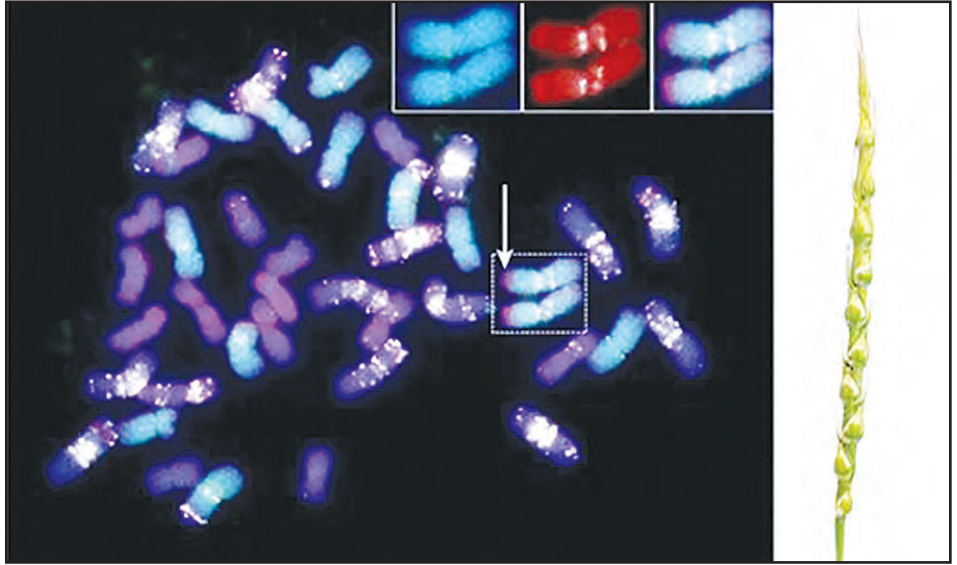
Global collaboration is unlocking wheat's genetic potential

In a paper published Nov. 25 in *Nature*, Kansas State University researchers, in collaboration with the international 10+ Genome Project led by the University of Saskatchewan, have announced the complete genome sequencing of 15 wheat varieties representing breeding programs around the world — an invaluable resource to improve global wheat production.

resources of more than 95 scientists from universities and institutes in Canada, Switzerland, Germany, Japan, the U.K., Saudi Arabia, Mexico, Israel, Australia and the U.S.

This study represents the start of a larger effort to generate thousands of genome sequences of wheat, including genetic material brought in from wheat's wild relatives.

"It's like finding the missing pieces for your favorite puzzle that you have been working on for decades," said project leader Curtis Pozniak, wheat breeder and director of the University of Saskatchewan Crop Development Centre. "By having many complete gene assemblies available, we can now help solve the huge puzzle that is the massive wheat pan-genome and usher in a new era for wheat discovery and breeding." "Our team was unique-



At left, a chromosome segment from *Aegilops ventricosa*, highlighted by the white arrow, is found in the Kansas wheat variety Jagger. This segment carries important genes for pest and disease resistance and is associated with increasing grain yield. Image courtesy of Dal-Hoe Koo. Image right is wild wheat relative *Aegilops ventricosa*. Image courtesy of Haley Ahlers.

ly suited to represent U.S. wheat in this effort here in America's breadbasket and as a land-grant institution with a strong history in wheat research," said Jesse Poland, associate professor at Kansas State University and director of the Feed the Future Innovation Lab for Applied Wheat Genomics and the Wheat Genetics Resource Center. "We are fortunate to have world leaders in breeding and genetics under one roof, and generous support from the National Science Foundation, Kansas Wheat and many others."

The Kansas team was responsible for sequencing and analyzing the hard red winter wheat variety Jagger, released in 1994 by the Kansas State University breeding program, now led by Allan Fritz. Jagger was a landmark wheat variety in the Great Plains and covered millions of acres for many years. It was selected for this project because of its relevance as a breeding parent as it is found in the pedigrees of current varieties across the U.S.

phenomenal genomics resource as it's been built, which has already led to tremendous discovery," Poland said. "K-State plant genetics graduate student Emily Delorean is using data from the 10+ Genomes Project to develop a comprehensive analysis of important quality genes and develop better molecular breeding tools, which will have a huge impact on bread making."

In a companion publication published in *Theoretical and Applied Genetics*, Kansas State University scientists Liang Gao, Dal-Hoe

Koo and team completed detailed characterization of the 2N introgression, a chromosome segment that was transferred from wild wheat relative *Aegilops ventricosa*, which is found in Jagger, but was not present in the original Chinese Spring reference genome. The 2N segment possesses resistance genes to multiple wheat diseases, including stem and leaf rust, nematodes and the emerging wheat blast disease. The team found that this chromosome segment is present in about 80% of Kansas wheat lines and also a large proportion of wheat around the world, marking its importance toward addressing global wheat improvement.

"Progress of this magnitude is only possible because of the strength of the international wheat breeding network and strong international collaborations in wheat research," said Justin Gilpin of Kansas Wheat. "It is exciting for the Kansas wheat growers to be part of this excellent work."

The work at Kansas State University was supported by the NSF, Kansas Wheat, the United States Agency for International Development, and the National Institute of Food and Agriculture. A complete list of international funding partners is available here: 10wheat-genomes.com/funders/.

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Free soybean cyst nematode tests available

By James Coover, crop production agent, Wildcat & Southwind Extension District

For a limited time, we will have free soybean cyst nematode (SCN) testing in the K-State Research and Extension Wildcat and Southwind District offices (and likely every other K-State Research and Extension office). Researchers are performing a mass study of SCN in the area and they need all the sam-

ples they can get. Normally the SCN nematode test can be \$15 to \$20 but right now the only cost will be shipping off the samples. Please take advantage of this opportunity and you'll be helping with important research and get a free SCN test for your soybean field.

This time of year right after soybean harvest is the best time to test for SCN. A regular soil probe is all that is needed to take a SCN test. Much like a soil fertility test, soil cores are taken in a six to eight-inch depth. The differences are all the cores need to be taken within the soybean planting row, at the bare minimum 15 cores need to be taken per sample, and the cores are taken from just the one- to ten-acre problem area (rather than a sample for the whole field). The SCNs and their eggs can be highly variable so it is very important to be precise with the soil depth and take plenty of soil cores. Also, in this case, it is important to be consistent for the K-State SCN research project. We have soil probes available at each K-State Research and Extension office and if there are any questions on sampling procedures, please give us a call. A shovel soil sample won't work in this case because precision and consistency is needed.

often the damage they cause is hard to see, yet losses can be as high as 40% in some fields. In fact, unexplained yield loss in the main symptom and soybeans with SCN damage often end up having some sort of secondary problem like potassium or iron deficiency, seedling blight, charcoal or Phytophthora rot, or less drought resistance. Yield loss can occur without any symptoms at all but the first noticeable symptoms will be in roughly circular spots or along field edges. The soybeans will have fewer roots and root nodules. In extreme cases the SCNs can kill the plant outright, but often it's the soil diseases they allow into the plants that kill. If there is an area in a field that always has issues with soybeans it could be because of SCN, and now is great time to test for them.

So a field is plagued with SCN; now what? There are some soybean varieties that are more resistant to SCN and continued use of those varieties can reduce populations over time. However, this can't be only control strategy because over time the SCNs in the field will also become better at attacking those resistant varieties. Delayed planting dates, like those in wheat-double crop soybean rotations, tend to have lower SCN because of the timing of plant growth. Also,

group V soybeans grown in southeast Kansas tend to have less yield loss, likely also do to physiological timing. SCNs tend to be worse in tilled fields rather than no-till, and tillage is another way for them to spread out their infested area. SCNs are not strictly soybean dependent and can also feed on some weed species like henbit, so weed control is important. Nematicides are available but their effect is short-lived. However, research has been done showing that a mustard cover crop, tilled in before planting, releases compounds that are toxic to SCN. The biggest control for SCN though will always be crop rotation. Corn, wheat, and sorghum are non-hosts, and combined with resistance soybean varieties, is the most important method of reducing SCN populations.

If you are interested in taking a SCN test, please give your local Extension office a call. There are some details like field location and field history that needs to be collected for the research project. You can reach me at either the Southwind District Erie office at 620-244-3826 or the Wildcat District - Girard office at 620-724-8233.

For more information, please contact James Coover, Crop Production Agent, jcoover@ksu.edu or (620) 724-8233.

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Stk#5738A - 2020 Ram 2500 Power Wagon, 15,011 mi., \$52,878	Stock#6676A - 2017 Ford Escape SE, 31,498 mi., \$15,982
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Kansas Hay Market Report

For the week ending Nov. 21, hay market prices were steady with an undertone of strength, while demand remained strong. Movement was good for those who have not been affected by illness or quarantines. Warm and dry weather seems to be the norm across the state, and all could use some rain, which hopefully, will be received this week. According to U.S. Drought Monitor for the week of November 17th, moderate to severe drought continues to stretch over much of Kansas and Nebraska with conditions deteriorating across most of Kansas, but more stable farther north. Abnormal dryness (D0) decreased to 28%, moderate drought (D1) increased to 44%, severe drought (D2) increased to 13%, and extreme drought (D3) increased to just over 2%. Subsoil moisture supplies rated 23% very short, 41% short, 35% adequate, and 1% surplus. If you have any extra hay to sell and/or need hay here in Kansas, use the services of the Internet Hay Exchange: www.hayexchange.com/ks.php.

Southwest Kansas

Dairy alfalfa, grinding alfalfa, ground and delivered steady, movement good to moderate. Alfalfa: horse, premium small squares 240.00-250.00. Dairy 1.00-1.05/point RFV, Supreme 185-237.00.00, Premium 170.00-195.00, Good 150.00-178.50. Stock or Dry Cow 155.00-165.00. Grinding alfalfa 140.00-150.00, with instances at 160.00. Ground and delivered locally to feed lots and dairies, 160.00-170.00 with an instance at 175.00. Grass Hay: small squares 8.00/bale, large 4x4 squares 100.00-110.00, large rounds none reported; Sudan: none reported. Sorghum: large rounds 80.00-90.00; Wheat straw, small squares 3.50-4.50/bale, large 3x4 squares 80.00-90.00. The week of 11/15-11/21, 11,359T of grinding alfalfa and 3,975T of

dairy alfalfa was reported bought/sold. The average paid by feedlots on November 1 for alfalfa ground and delivered was 155.03, up 2.13 from the previous month, usage was 559T/day, down 9% and total usage was 17,342.5T.

South Central Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, alfalfa pellets, steady; movement moderate. Alfalfa: horse, small squares 255.00-275.00. Dairy, 1.00/point RFV, Supreme 185.00-225.00, Premium 170.00-195.00, Good 150.00-178.00. Stock cow, 150.00-160.00. Fair/good grinding alfalfa 90.00-110.00, 135.00-145.00 delivered. Ground and delivered 140.00-155.00, with an instance at 160.00-165.00. Alfalfa pellets: Sun cured 15 pct protein 190.00-205.00, 17 pct protein 200.00-210.00, Dehydrated 17 pct 305.00-310.00. Grass Hay: Bluestem, 3x4 and 4x4 squares 100.00-110.00, large rounds 60.00-90.00. Brome: large 4x4 squares 100.00-120.00, large rounds 95.00-100.00. Teff: large 3x4 squares 135.00-145.00, large rounds 120.00-130.00. Sudan: large rounds 75.00-85.00. Crabgrass: large rounds 60.00-70.00. Milo ground and delivered, 85.00-95.00. Corn stalks: large squares, 65.00, large rounds 60.00. Wheat straw: large 4x4 squares, 65.00-75.00. The week of 11/15-11/21, 7,610T of grinding alfalfa and 275T of dairy alfalfa was reported bought/sold. The average paid by feedlots on November 1 for alfalfa ground and delivered was 132.63, down .15 from the previous month, usage was 298T/day, down 9% and total usage was 9,233.5T.

Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady, grass hay mostly steady; movement slow to moderate. Alfalfa: horse or goat, 230.00-240.00. Dairy 1.00-1.05/point RFV. Stock cow 150.00-160.00. Fair/Good grinding alfalfa, large rounds 130.00-145.00 delivered. Ground and delivered, none reported; Grass hay: Bluestem, small squares 120.00-125.00, good 3x3 squares 100.00-125.00, good, 3x4 squares 100.00-120.00, large 4x4 squares 100.00-110.00, large rounds 70.00-80.00. Brome,

K-State researchers land \$760K grant to boost safety of food

A Kansas State University researcher says that a \$760,000 grant from the Feed the Future Innovation Lab for Food Safety will boost efforts to protect the safety of food across the country and world.

Jessie Vipham, an assistant professor in K-State's Department of Animal Sciences and Industry, will lead the three-and-a-half year project that began in November and will involve experts in food safety, molecular biology, bio-informatics, statistics and social sciences.

The group comes from three U.S. universities and three others in Cambodia, a country beset by one of the highest child mortality rates in Southeast Asia. Vipham and colleagues Nora Bello and Valentina Trinetta lead K-State's food safety work on this project.

"Food safety has not been prioritized in much of the world, with many people viewing it as a luxury of high-resource economies," Vipham said. "But food safety directly impacts public health and human prosperity, which directly impacts a nation's economic development."

The work will focus on improving conditions in Cambodia, where statistics show that 6% of child mortalities are attributed to

diarrheal disease – which is more often associated with unsafe water or poor sanitation.

"Recent estimates indicate that food-borne diseases are heavily contributing to the burden of diarrheal diseases in low-resource economies," Vipham said.

Vipham said researchers will identify food-borne pathogens linked to human clinical cases in Cambodia, and investigate their presence within the vegetable value-chain. She notes the researchers hope to identify the causes of contaminated food and determine effective food safety interventions.

"We want to measurably reduce the prevalence of food-borne pathogens sold in Cambodia," she said.

Like much work sponsored by USAID, the findings are expected to be transferrable across the world, helping not only

to preserve trade markets, but also local public health.

"Food safety is a systematic science," Vipham said, "and the most successful food safety programs – within a facility, company or country – are those that acknowledge the need to monitor and mitigate through the processing chain."

"The more global our food systems become, the more we need to broaden approaches for monitoring and mitigating food safety risks. A country's ability to improve food safety on a national level ensures the safe production of food and reduces the likelihood of food-borne disease for all of us."

Reducing the risk of food-borne pathogens affects trade markets, but Vipham said she's also focused on the improving food safety "on domestic levels."

"Food safety is first and foremost about the pro-

tection of public health, which is an issue that impacts all human beings."

Vipham received the grant from the Food Safety Innovation Lab, which is jointly managed by Purdue and Cornell universities, and funded by the U.S. Agency for International Development as part of Feed the Future, the government's global hunger and food security initiative.

Vipham's team also includes researchers from Penn State University; and the Royal University of Agriculture, Institute of Technology and Institut Pasteur du Cambodge, all located in Cambodia.

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**NO SALE WAS HELD NOV. 25TH
HAPPY THANKSGIVING!**

SPECIAL CALF SALE DECEMBER 2

- 30 blk str & hfrs, home raised, long wean, shots, 650-850 lbs.

- 60 mostly blk str, 900-925 lbs.

MORE CATTLE BY SALE TIME

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good, small squares none reported, 3x4 to 4x4 squares 95.00-125.00, large rounds 75.00-85.00. Wheat Straw: 3x4 and 4x4 squares 60.00-70.00. The week of 11/15-11/21, 1,347T of grass hay was reported bought/sold.

Northwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: Horse or goat, 220.00-230.00. Dairy, Premium/Supreme 1.00/point RFV. Stock cow, fair/good 145.00-155.00. Fair/good grinding alfalfa, 95.00-105.00. Ground and delivered locally to feedlots and dairies, 125.00-135.00. Sudan, large rounds 60.00-70.00. Wheat straw, large squares none reported.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay, steady; movement slow. Alfalfa: horse, premium small squares, 9.00-10.00/bale. Dairy 1.00-1.05/point RFV, Supreme 185-237.00.00, Premium 170.00-195.00, Good 150.00-178.50. Stock Cow, 150.00-160.00. Fair/good, grinding alfalfa, 115.00-125.00. Ground and delivered 130.00-150.00. Grass hay: Bluestem, small squares 5.50-6.50/bale, 3x4 to 4x4 squares 100.00-105.00, large rounds 60.00-90.00. Brome, small squares 6.50-7.50/bale, 3x4 to 4x4 squares 110.00-120.00, large rounds 75.00-85.00; Sudan, large rounds, 60.00-65.00. Wheat Straw: small squares 5.00-6.00/bale, large 4x4 squares 75.00-85.00. 100.00-110.00 delivered, large rounds 65.00-75.00. The week of 11/15-11/21, 724T of grinding alfalfa and 422T of dairy alfalfa was reported bought/sold.

Due to the Thanksgiving holiday, the next report will be issued December 8.

* Prices are per ton and FOB unless otherwise noted
** Posted by Kim Nettleton, Kansas Department of Agriculture.

St. James 2020 CONSIGNMENT AUCTION

SATURDAY, DECEMBER 5, 2020 - 9:30 AM
St. James Hall, 5th & Iowa St., WETMORE, KANSAS
Breakfast 7:00-10:30, Lunch till end of sale by St. James Altar Society

TRACTORS: '98 JD 8100 MFWD 8.1 PS duals; 540/1000 5200 hrs. 3 hyd; '65 JD 3020 gas w/46A ldr; IH 2405B w/2050 Series A ldr; '77 JD 4430 C/A quad range, 7500 hrs. 2 hyd. (nice).

CARS, TRUCKS, SUV, ATV: 2005 Ford F350 dually 4x4 5.4 6 spd 83K mi, flatbed, New eng; 2002 Chevy 1500 4x4 ext. cab 5.3L Auto 146K; 2007 IHC 8600 Cummins ISM 370hp 10 spd, SA; 1988 Freightliner FLD120 Cat 3406B 10 spd. TA; 1999 Ford F250 5.4 5-sp w/Bramco Bale Bed; 1973 IHC Loadstar 345 Gas, 16' Bed Hoist; 2005 Chevy 1500 4x4 Auto; 2005 Chevy Trailblazer Automatic; 1998 GMC 1500 350 eng. Auto Trans.; 2008 Pickup Bed fits Ford F250; 2006 Pickup Bed fits Dodge; 1993 GMC 2500 Ext. cab 4x4 350 Auto. Issues No Bed; 1988 Ford F150 4x4 Auto; 1989 Chevy 3/4T 4x4 350 4spd. Flatbed; 2005 Chevy Impala LT. 125K; Yardsport 4x2 side by side ATV; Kawasaki Teryk 750 Spice 4x4; Polaris Ranger 700 Twin 4x4.

TRAILERS: 5x11 Tilt Bed Trailer; W&W Stock Trailer 16' Bumper Hitch; 2007 Donahue GN Trailer, 36' Tandem axles; Hillsboro Stock Trailer, 16' Bumper Hitch; Agrifab ATV Trailer; 1981 Pup Trailer Hopper Bottom, 8x16 Pintle Hitch Hoist TA tarp; 1994 Trail King Flatbed Trailer, 102x21' TA Beaver Tail ramps; Delta GN Trailer 20'; Semi Dolly; 1997 Eagle Car Trailer 6'x15'; Utility Trailer 6'x10'.

FARM EQUIP.: 1999 JD 9510 Combine 2wd, E-4200/S-3500 Singles, chopper; JD 220 Flex Platform 20'; JD 843 Cornhead 8R30'; 2 JD 230 Disc 22'9"; Wilrich 24' Field Cultivator w/harrow; Glencoe Soil Saver 11 shank; JD 1209 Swather 9'; Brush Hog Rotary Cutter 6'; IHC Sickle Mower 7'; IHC 4300 Field Cultivator 32' w/harrow; Crustbuster Springtooth; IHC 710 Plow 5x18; Killbros Gravity Wagon on GN trailer 400 bu; Glencoe chisel 11 shank; Westfield auger 8x61' PTO drive; IHC 800 Air Planter 12R30' w/updates; JD 7000 Planter 8R30' plateless; 2-IHC 400 Air Planters 4 row wide; Vermeer 605H Baler(very good); Dempster fert. spreader Clipper, S hyd. drive (very good); BMB 3pt. blade 8' hyd. Brkts.; 3-pt Bale Mover w/hyd. lift; Disc 10' w/hyd. cyl.; Manure Spreader ground drive (Good); Automatic Mist Blower; BMB 7' 3pt Rotary Mower; Mayrath 10x72 Auger PTO drive; Crustbuster Speeding Belt Conveyor 35' Honda eng. w/flip up conveyor (Very Good); Stock Stompers fits JD tractor; IHC 8370 Swather Hydro-Swing; 14' laminated rolls; Great Plains Drill 15' 8" spacing coultter cart sm. seed box; JD 8300 Drill 18x7" w/press wheels (good); A&L F705 Grain Cart hyd. or PTO drives; JD H Manure Spreader ground drive; PowerMate Rotary Cutter 5' 3pt.; Bale Mover 3pt. single spear; 3pt. blade 6'; Post Hole Digger w/2 augers; springtooth 3pt. 5 shank; Root Cutter 3pt. single shank; IHC fasthitch adapters; Danuser Post Hole Digger w/12" auger; NH 166 Hay Inverter; BBK Header Trailer 30' SA; JD FBA Drill 16x7; IHC Springtooth 3pt. 20'; Grain-o-vator Wagon TA long auger; 3pt. dirt scoop; 18.4x34 axle mount duals; Log Splitter 3pt. hyd. cylinder(nice).

LAWN EQUIP.: Craftsman riding mower 18hp hydro 44" cut; JD SST 16 riding mower (Like New); Craftsman 6.5hp leaf vac; JD 425 L&G tractor 20 hp 60" cut & snowblade; MTD Gold Yard Tractor 22hp, 8spd. 46" cut; 2-ATV snow blades.

SKID STEER ATTACHMENTS: 3 Buckets; Pallet Forks; Push Blade; Hyd. Sand Shooter; 3 & 4 Spear bale movers.

LIVESTOCK EQUIP.: Port. Loading Chute w/11 panels; Hay Feeders (several); Poly Tank 100 gal.; Hog Feeder Pride of the Farm; 20 free standing panels 24'x5'; 6 bar; Dehorn Chute w/head gate; cake feeder 3pt.; Smidley farrowing sheds w/pens; 2 port. creep feeders; 3 creep feeders w/panels; 100 calf hutches w/panels & bottles; 9 Super Calf Hutches; calf buckets & nipples; 30 calf jackets; stationary loading chute; tilting hoof trim table; SS table 3'x6'; 2 Guardrail feed bunks 6'x26'; head gate; hog panels, gates.

LUMBER: 60-2x6x9' wall studs; 50-2x6x14' treated ACG; 520'x8' gates sliprod concrete forms.

MISC.: Brush chipper; shop fan; shop tools; waste oil furnace w/fan; Timberline Wood Stove; Generator Pto drive; hedge posts (several); 30 sheets used tin 14'; wagon box only (high wheel); steel wheels; ext. boom for skid loader; Generator Welder; Cat-walk (several feet); Krause chisel shanks; concrete tools; Lincoln Welder; air compressor; sickle grinder elec.; welding table; pressure washer; Harman Pellet Stove; Weatherguard Truck Toolbox; 3-900x16" mud tires on chevy wheels; 13-8' tables 21-6' tables; 10 lg. shop lights w/extra bulbs; sev. kitchen appliances; storage cabinets; picnic table w/chairs; Health & fitness equip.

VINTAGE ITEMS: Coca Cola Chest Cooler; Budweiser Mug Collection; Wood Office Desk and Furniture; Precious Moments Figurines.

HAY & STRAW: Small sq. bales alfalfa & wheat straw; 350+ md. bales Brome Hay 2019&2020; 2000 sm. sq. bales Straw, plastic tie; 50+ sm. sq. bales alfalfa & straw.

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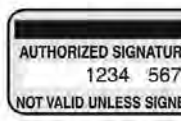
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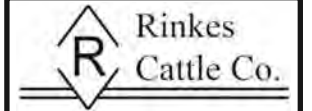
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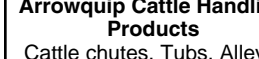
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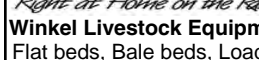
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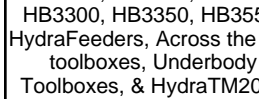
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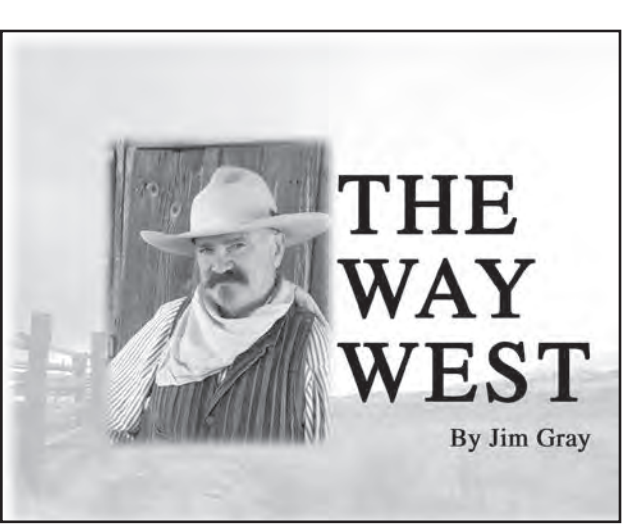
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By Jim Gray

A Fortunate Development

In the fall of 1869 fifteen visionary promoters gathered at Emporia to discuss the Osage lands slated to be opened for settlement the following summer. Quite a few settlers had already moved in to establish themselves along the Arkansas River in what would later be designated Cowley County. The government had recently ordered all settlers out of the territory in a move that proved to be very temporary. Despite theft from roving bands of Indians the banished settlers began to return to their claims. Osage Chief

Hard Rope was willing to consent to letting the settlers stay. For a fee of five dollars paid to the chief, a settler could remain on the Osage Diminished Reserve without harassment from the tribe. The federal government chose to look the other way after the initial removal.

E. C. Manning of Emporia had been one of the first men to settle in the area and was among those who returned to his claim near the mouth of Timber Creek along the Walnut River. On Christmas Day, 1869, the Norton brothers of Emporia visited Man-

ning's cabin. The brothers carried a letter imploring Manning to join the Emporia effort to establish a town near the border with Indian Territory at the confluence of the Walnut and Arkansas rivers. Manning agreed to help, but was convinced that his location was better suited to be the county seat of the pending Cowley County. Manning founded Winfield from his humble beginnings on Timber Creek.

The Norton brothers were natives of New York state and grew up at Stillman Valley, Illinois. Captain Norton served in the 33rd Illinois Infantry during the Civil War. He married at the close of the war and in 1869 moved his young family to Emporia, where his brother, Professor Henry Brace Norton, was instructing at the Kansas Normal School, a school dedicated to training teachers. Soon after Captain Norton's arrival at Emporia he and his professor brother were caught up in the new town building plans. By January, 1870, the townsite of Adelphi was located on a beautiful peninsula of land between the Walnut River

and the Arkansas River. Within weeks of being established the name of Adelphi was changed to Cresswell. In February the Kansas Legislature designated Cresswell as the temporary county seat of the newly designated Cowley County.

A visitor in March, 1870, wrote that the Arkansas River at Cresswell was "about the size of the Kaw at Lawrence." Fish was the bill of fare during the visit. Captain Norton boasted that he had caught a seventy pound cat fish a day or two before their arrival, and only a short time before that he had caught a sixty pounder. The valley was a Garden of Eden, abounding with deer, antelope, wild turkeys, ducks, prairie chickens, quails, wild cats, and beaver. "The deer tracks along the Arkansas are as thick as sheep's tracks in a pasture."

Six houses were under construction in March. Finding that another Cresswell had been officially recognized by the U. S. Post Office the name was changed to Arkansas City, receiving a post office on May 16, 1870, but as E. C. Manning had pre-

dicted voters established Winfield as the permanent Cowley County seat. By July fifty houses were either finished or under construction. M. G. Mains of the had announced that he was building a printing office for a newspaper, proposing the name *Arkansas Traveler* (later becoming the *Arkansas City Traveler*).

The Norton brothers established trade with the Osage people living across the Kansas border south of Arkansas City. They had only recently given up their lands in Kansas and obviously felt a great attachment to their former home. They could have easily felt resentment toward the settlers, however, through the efforts of Captain Norton a warm relationship was forged with the citizens and merchants of Arkansas City.

In early August Hard Rope brought his band of one hundred-fifty people, "clad in all the splendor of beads, red blankets, paint, and every sort of fantastic Indian finery." There were dances to drums, "fifes," and whistles. They remained until morning, trading and enjoying the advantages that

the townspeople and merchants had to offer. A final ceremony to mourn their dead was held at day-break and they were gone. While others feared wandering bands of warriors, the people of Arkansas City were able to enjoy a good relationship with all the Osages.

In December Captain Norton returned from a trading trip to report that the tribe was experiencing a successful hunt. Already they had four hundred buffalo robes. They expected to harvest five thousand robes from their early winter hunt and planned to kill an amazing total of two hundred thousand buffalo by winter's end. Establishing friendly relations with the Osage people was a remarkably fortunate development for the Norton brothers and gave a valuable boost to the success of the fledgling town of Arkansas City, Kansas, on The Way West.

"The Cowboy," Jim Gray is author of the book *Desperate Seed: Ellsworth Kansas on the Violent Frontier*, Ellsworth, KS. Contact Kansas Cowboy, 220 21st RD Geneseo, KS. Phone 785-531-2058 or kansascowboy@kans.com.

Kansas Corn pleased with funding for Rattlesnake Creek Watershed

A federal grant will put into action efforts to implement an agreement with the U.S. Fish and Wildlife Service to settle a long-standing water right issue involving the Quivira National Wildlife Refuge. Recently, Kansas National Resources Conservation Service and Sen. Jerry Moran announced funding of \$846,800 for the Rattlesnake Creek Watershed through the Watershed Protection Flood Prevention Program. Kansas Corn Growers Association (KCGA) staff worked with Groundwater Management District #5 (GMD 5) and Moran to find ways to secure the funding.

"Kansas Corn was eager to assist in this process to protect the agricultural producers covering more

than 452,000 irrigated acres in the basin. We were able to utilize our connections in Washington D.C. to connect experts in funding programs with the leadership of GMD 5 and assist in the application process," said Josh Roe, KCGA vice president of market development and policy. "This funding will help the Rattlesnake Creek Watershed implement the terms of the agreement."

Through strong local leadership from members

of the Groundwater Management District #5 (GMD 5) and WaterPack, as well as elected leaders such as Moran, an agreement was signed with the U.S. Fish and Wildlife Service to settle an impairment claim in the Rattlesnake Creek Watershed earlier this year.

Pieces of the agreement included adding additional water to the Rattlesnake Creek, voluntarily retiring water rights and making improvement on the wild-

life refuge. While this is a positive development, each of these pieces may involve environmental reviews and other complex administrative procedures.

Funds received by GMD 5 with the newly an-

nounced NRCS grant will provide the needed resources to complete these reviews, but more importantly, will allow GMD 5 and other entities, including local producers to apply for additional cost-share dollars to fund the

implementation of these activities.

The Kansas Corn Growers Association represents its grower members in legislative and regulatory issues and promotes corn and products made from corn.



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Due to State & County Mandates, MASKS & Social Distancing are required & NO CHILDREN in the Barn. Thank you.

No Sale Report due to no sale on Thanksgiving.

Dairy Influence Sale: This Week: December 3 * Special Cow Sale: December 10

FIELDMEN

Jim Dalinghaus 785-799-5643 Baileyville, KS	Dave Bures, Auctioneer 402-239-9717 Odell, Nebraska Barn Phone • 785-562-1015	Jeff Cook 785-564-2173 Hanover, KS	Greg Anderson 785-747-8170 Waterville, KS	Trevor Lundberg 785-770-2271 Frankfort, KS	Taylor Schotte 785-268-0430 Marysville, KS
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MARK YOUR CALENDARS

for September 29 & 30,

2021

for the first ever

GRASS & GRAIN Farm and Ranch Show

To be held at the Riley
County Fairgrounds, CiCo
Park in Manhattan, KS

MORE INFORMATION COMING SOON!

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Office: 785-539-7558



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shelby@agpress.com

Cell: 303-518-0327

Office: 785-539-7558



Donna Sullivan

gandgeditor@agpress.com

Cell: 785-632-7001

Office: 785-539-7558

Hearing scheduled for proposed adoption of commercial industrial hemp regulations

A public hearing will be conducted at 10:00 a.m. on Monday, December 7, 2020, to consider the adoption of proposed regulations to govern commercial industrial hemp production in Kansas. Due to public health concerns posed by the COVID-19 pandemic, the hearing proceedings will be held via a video conferencing system to provide the opportunity for virtual participation online. Although in-person participation is also an option, attendance will be limited to allow for social distancing and to comply with local health requirements.

Act, and the Commercial Industrial Hemp Act passed in Kansas in 2019, the Kansas Department of Agriculture is proposing rules and regulations K.A.R. 4-34-22 through 4-34-30.

A copy of the proposed new regulations, as well as an expanded notice of public hearing, may be accessed on the KDA website at agriculture.ks.gov/PublicComment. Anyone desiring to participate via video conference or in person must pre-register and be provided with a video link or instructions for in-person attendance. Written comments can be submitted on the public comment web page prior to the hearing or sent to the Kansas Department of Agriculture, 1320 Research Park Drive, Manhattan, KS, 66502.

Any individual with a disability may request accommodation in order to participate in the public hearing and may request a copy of the regulations in an accessible format. Persons who require special accommodations must make their needs known at least five working days prior to the hearing. For more information, including special accommodations or a copy of the regulations, please contact Ronda Hutton at 785-564-6715 or Ronda.Hutton@ks.gov.

Four export markets Kansas farmers should be thankful for

From breaking bread in Japan to making tortillas in Mexico to producing instant noodles in Nigeria, hard red winter (HRW) wheat is a staple ingredient in family dinners around the world. Kansas Wheat invites our farmers to learn more about the top export destinations for the reliable supply of

high-quality HRW they produce each year and the trade policy discussions and agreements that support those purchases.

"About half of the Kansas wheat crop is exported every year," said Aaron Harries, Kansas Wheat vice president of research and operations. "Our top buyers love the consistent

quality they get in Kansas wheat, and we work hard to build trust and relationships with these key customers by continually sharing information on the wheat crop and technical support."

Each market has unique cuisines and market demands, but each also adds value to farmers' bottom line. According to a January 2016 economic analysis of wheat export promotion, U.S. wheat farmers received \$45 in net revenue for every \$1 invested in export promotion from 2007 to 2014.

Mexico is the largest customer year-in and year-out for Kansas HRW wheat, thanks to an interconnected supply chain between Kansas elevators and Mexican flour mills. Duty-free access established by the North American Free Trade Agreement (NAFTA) and solidified by the United States-Mexico-Canada Agreement (USMCA) helps keep wheat flowing south, mainly by rail. Mexico has purchased 51.6 million bushels (1.4 million metric tons) of U.S. HRW wheat in the 2020/2021 marketing year, as of Nov. 5, 2020.

Chinese purchases of HRW jumped from zero to 36 million bushels (981,000 metric tons) as of Nov. 5, 2020. These purchases made following the Phase One agreement, which went into effect in early 2020, put China as the second largest market for HRW thus far in the 2020/2021 marketing year. Related to these trade policy discussions, China agreed to start filling an annual reduced tariff rate quota for imported wheat

er for more than 60 years to the mutual growth and prosperity of both. Approval of the U.S.-Japan Trade Agreement in 2019 helped solidify this trading relationship by putting U.S. wheat exports on equal footing with competing supplies in Canada and Australia. As the fourth largest customer thus far in the 2020/2021 marketing year, Japan has purchased 20.8 million bushels (567,000 metric tons) of U.S. HRW wheat as of Nov. 5, 2020, up six percent year-over-year.



50 Angus-based Black Bred Heifers consigned to the JC Livestock Sale for Wednesday, Dec. 9, 2020

Pelvic measured ~ Vaccinated
BVD-PI negative ~ Culled for Disposition
Known & Trusted Genetics
AI Bred, due starting Feb. 1, 2021 to Werner Flat Top (CED 16, BW -2.0) and Tehama Tahoe (CED 10, BW -0.3)
Clean up bulls: calving ease/low birth weight
Blythe registered Angus bulls

For more info call:
Blythe Family Farms, White City
Duane Blythe or Debbie Lyons-Blythe
785-349-2652 or 785-466-1883

Japanese flour millers and U.S. wheat farmers have partnered together for more than 60 years to the mutual growth and prosperity of both. Approval of the U.S.-Japan Trade Agreement in 2019 helped solidify this trading relationship by putting U.S. wheat exports on equal footing with competing supplies in Canada and Australia. As the fourth largest customer thus far in the 2020/2021 marketing year, Japan has purchased 20.8 million bushels (567,000 metric tons) of U.S. HRW wheat as of Nov. 5, 2020, up six percent year-over-year.

Learn more about each of these markets and the incredible return on investment from export market promotion through Kansas Wheat's partner organization — U.S. Wheat Associates — at uswheat.org.

From on-farm to on-line: Soil Health Academy announces 'Regen Ag 101'

Their three-day Soil Health Academy regenerative agriculture schools have improved the lives, profits and futures of hundreds of farmers and ranchers throughout North America.

But Ray Archuleta, Gabe Brown, Shane New and Allen Williams, Ph.D. want to do even more. So, to teach the transformational power of regeneration to tens of thousands of producers, as well as educators, chefs, gardeners, policy makers and

others—across the globe—these four soil whisperers have created "Regen Ag 101."

"Regen Ag 101 provides a virtual platform to deliver the rich content from our on-farm schools to everyone who wants to attend them," said Williams, one of the course's creators.

An online, self-paced, interactive media experience, Regen Ag 101 contains video lectures, case studies and supporting research gleaned from the

very best of Soil Health Academy live workshops across the U.S., according to Williams. "This course will provide users with the virtual experience of attending an in-person school, but with all of the convenience of doing so at a time and place of their choosing," he said.

"Through Regen Ag 101, we provide the foundational knowledge and understanding of regenerative principles and practices that will allow our fellow farmers and ranchers to practically and profitably make the transition from chemical and tillage-dependent conventional agriculture to soil health-focused regenerative agriculture," Williams said.

Ag 101 represents an enormous opportunity to reach and teach far more people than would ever be possible through the in-person, on-farm schools.

"With Regen Ag 101, each student gets 'e-book' control over the video and supplemental media to search, read, watch and interact with all of the content," Williams said. "Best of all, through this platform, we can reach a vast, world-wide audience."

"Increasing interest in regenerative agriculture during the past several years, combined with the popularity of the Netflix movie *Kiss the Ground*, has generated a groundswell of interest that we never could have imagined," Williams said. "Regen Ag 101 comes along at just the right time and provides the perfect platform to meet this long-term demand—and to seize the opportunity to deliver quality education to those who want to regenerate our soil, our farms, our ecosystems and our future."

The course consists of nine documentary instruction modules featuring Archuleta, Brown, New and Williams, who teach the core principles of regenerative agriculture that they have pioneered over the past 30 years. Regen

Pre-enrollment for Regen Ag 101 is currently open with a course launch date set for December 2020. For more information visit www.soilhealthacademy.org.

New Generation Supplements

Cost Effective Protein Supplementation

The most cost effective forage a cow can consume is the forage she can harvest herself. However, protein often times becomes the most limiting nutrient for cattle grazing crop residues and dormant grass pastures. In these situations protein supplementation is required to efficiently harvest energy from these protein deficient forage-based diets.

Studies conducted at Kansas State University would illustrate that NGS protein supplements support both gain and efficiency when fed in conjunction with protein deficient forages. Find out more from your local New Generation Supplements dealer, Key Feeds.

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Byron Thoreson: 785-630-0161
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MINNEAPOLIS LOCATION: James Carr: 785-630-0491

JC LIVESTOCK SALES INC.
Wednesday Sale, Hogs NOON • Cattle 12:30 PM

NO SALE WAS HELD WEDNESDAY, NOVEMBER 25th

NEXT SALE WED., DECEMBER 2nd

CONSIGNMENTS FOR DECEMBER 9:
50 Fancy Ang 1st calf Spring bred hfrs AI bred to low BW Angus bulls, cleaned up w/ Blythe Angus Bulls Blythe Family Farms
120 Ang X str & hfrs 500-700 lbs double vac.
50 Ang X str & hfrs 500-750 lbs w.v.
46 bwf str & hfrs 500-750 lbs w.v.

PLUS MORE BY SALE DAY!

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

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

CLAY CENTER LIVESTOCK SALES INC.
Cattle sales Tuesday, 11:00 AM.

NO CATTLE SALE TUES. NOVEMBER 24th

NEXT CATTLE SALE TUES., DECEMBER 1st

NEXT SHEEP & GOAT SALE SATURDAY, DECEMBER 5, 2020

Clay Center, Ks • Barn Phone 785-632-5566
Clay Center Field Representatives:
Seth Lauer 785-949-2285, Abilene Tom Koch, 785-243-5124 Lance Lagasse, 785-262-1185

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THERE WAS NO SALE HELD WEDNESDAY, NOVEMBER 25th DUE TO THANKSGIVING

EARLY CONSIGNMENTS FOR DEC. 2
• 45 blk & bwf Spring bred cows, 3 yrs and older.
• 90 blk str, 65 days weaned & 2 rds shots, 450-700 lbs.
• 16 blk str & hfrs, 500-700 lbs.
• 35 mostly blk str & hfrs, 60 days weaned, 2 rds shots, Judd Ranch & Badger Creek genetics, 600-750 lbs.
• 50 blk str, 850-876 lbs.
• 59 blk hfrs, 850-900 lbs.
• 110 mix str, 850-950 lbs.
• 56 blk & bwf str, 950-1000 lbs.
PLUS MORE BY SALE TIME

NO SALE WEDNESDAY, DECEMBER 23rd DUE TO CHRISTMAS

THANK YOU FOR ALL OF YOUR CONTINUED SUPPORT!
YOUR BUSINESS IS ALWAYS APPRECIATED!
For Cattle Appraisals Call:
BRODY PEAK, 620-343-5107 GLENN UNRUH, 620-341-0607
LYLE WILLIAMS, Field Representative, 785-229-5457
WIBW 580 - 6:45 A.M. Thurs; KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.
To see more consignments go to: emporialivestock.com

Stockmanship event goes virtual

Around 70 Kansas beef farmers and ranchers took part in this year's popular Stockmanship and Stewardship event. The virtual program brought together both experts and almost 1,700 progressive-minded cattlemen and women from around the U.S. to discuss ways of being more effective and efficient in managing livestock.

The two-day, checkoff-funded event began with speakers highlighting consumer concerns about beef sustainability and animal welfare, the impacts those concerns may have on the industry and what role producer education and Beef Quality Assurance (BQA) play in addressing those topics. Stockmanship experts Curt Pate, Ron Gill and Dean Fish conducted a virtual demonstration, both horseback and on foot, of low-stress cattle-handling methods that improve gathering, penning, chute work and hauling.

This event was free to any producer, thanks to the support of the checkoff-funded BQA program and Merck Animal Health. Producers looking to learn more about educational opportunities in the state can visit the newly created "Beef Hub" on the Kansas Beef Council website.

Bovine facial identification will soon be available

Bovine facial identification using a cell phone app will soon be available, according to Kansas State University animal scientist K.C. Olson. Olson said the technology is now available to go beyond what the human eye can see, or can't see, and accurately identify animals.

"You simply position the cell phone camera in front of an animal. When the conditions are right as judged by the app, it will snap a series of pictures, it will put a GPS stamp on each one and a date stamp on each one. Those are automatically uploaded to a secure cloud database.

Any subsequent time that another producer, another owner, would be curious about the origins of a particular calf, they could use the same app, take the pictures, upload those to the database. The information that they would then receive is when the animal was read into the system

and where physically the animal was when it was read into the system." The KSU animal scientist said the technology will be commercialized this fall and possibly before 2021, producers could be able to add birthweights, vaccination history and other information.

Food and Agriculture Climate Alliance presents joint policy recommendations

An alliance of groups representing farmers, forest owners, the food sector, state governments and environmental advocates has unveiled a set of recommendations to guide the development of federal climate policy.

(FACA) was formed in February 2020 by four groups that now co-chair the alliance: American Farm Bureau Federation, Environmental Defense Fund, National Council of Farmer Cooperatives and National Farmers Union. The alliance has since expanded to include FMI

- The Food Industry Association, National Alliance of Forest Owners, National Association of State Departments of Agriculture and The Nature Conservancy.

al and forestry climate policies must be built upon voluntary, incentive-based programs and market-driven opportunities; they must promote resilience and adaptation in rural communities; and they must be science-based.

The group developed more than 40 recommendations based on three principles: agricultural

Boehringer Ingelheim, Kansas State University partner to invest in future of veterinary medicine

Boehringer Ingelheim, a leading provider of animal health products, and Kansas State University's College of Veterinary Medicine have announced a strategic collaboration that will support a strong pipeline of highly skilled veterinarians and continued innovation in the heart of the Kansas City Animal Health Corridor.

"It is critically important that we help veterinary students prepare for the changing and growing role vets play in everything from caring for the animals we cherish, to food safety, public health and protecting the environment," Legg said. "This collaboration will make a meaningful contribution to ensuring no animal suffers from a preventable disease."

million to increase manufacturing capacity there.

Boehringer Ingelheim Animal Health is the second-largest animal health business in the world, with net sales of \$4.5 billion — or 4 billion euros — in 2019 and a presence in more than 150 countries. It has a significant presence in the U.S., with more than 3,100 employees in places that include Georgia, Missouri, Iowa, Minnesota, New Jersey and Puerto Rico.

Boehringer Ingelheim's U.S. Animal Health business will donate \$800,000 over the next five years to the KSU Foundation. The funds will support interaction and collaboration between Boehringer Ingelheim and veterinary students at one of the leading animal health schools in the country, K-State's College of Veterinary Medicine.

The auditorium is a premier space for student lectures, seminars and campuswide events, as well as for national meetings for groups such as the student chapter of the American Veterinary Medical Association and the Pre-Vet Symposium. Boehringer Ingelheim will host training sessions, symposiums and events in the auditorium, which will expose students to emerging trends in animal health as well as potential career opportunities.

Making new and better medicines for humans and animals is at the heart of what Boehringer Ingelheim does. Its mission is to create breakthrough therapies that change lives. Since its founding in 1885, Boehringer Ingelheim has been independent and family-owned and has the freedom to pursue its long-term vision, looking ahead to identify the health challenges of the future and targeting those areas of need where it can do the most good. As a world-leading, research-driven pharmaceutical company, more than 51,000 employees create value through innovation daily for our three business areas: Human Pharma, Animal Health and Biopharmaceutical Contract Manufacturing.

The collaboration will create opportunities for Boehringer Ingelheim employees to train and present to students, and allow for additional professional development and learning initiatives between Boehringer Ingelheim and the university. As part of the strategic collaboration, K-State's College of Veterinary Medicine built a new auditorium named the Boehringer Ingelheim Animal Health Auditorium that was completed in August 2020. The building is now open to students for fall 2020 classes.

"Boehringer Ingelheim's belief in preventative care aligns with our commitment to advancing the health of animals through education and research," said Bonnie Rush, dean of College of Veterinary Medicine. "We're thrilled to work with Boehringer Ingelheim to expand our education programs and engagement with the community."

K-State's College of Veterinary Medicine is committed to a professional degree program with broad training opportunities across a comprehensive range of companion and exotic animals, and livestock species. Its focus is on initiatives that address important societal needs at a local, national and global level. K-State in the animal corridor and is dedicated to the advancement of health and welfare of animals, people, the environment, and the veterinary profession through excellence in teaching, research, service and outreach.

"The Kansas City Animal Health Corridor and Boehringer Ingelheim share a history dating back more than 100 years," said Randolph Legg, head of the U.S. commercial business for Boehringer Ingelheim Animal Health. "The collaboration with Kansas State University furthers our commitment to this community, where so many of our dedicated employees live and work, and to the future of veterinary medicine."

Boehringer Ingelheim's largest global animal health manufacturing site is not far from Kansas State University, in nearby St. Joseph, Missouri, where the company employs nearly 1,000 people. The site makes more than one billion doses of vaccine a year for livestock producers in the U.S. and 44 other counties. Boehringer Ingelheim has operated the site in St. Joseph for more than 100 years and has recently invested nearly \$50

Focusing on longevity with Angus Herd Improvement Records

Jerry Cassady, director of member services, and Chris Stallo, chief operating officer of the American Angus Association, presented the Focusing on Longevity panel on Nov. 8 at the 137th Angus Annual Meeting in Kansas City, Missouri. The Focusing on Longevity discussion shared how commercial cattlemen are turning to seedstock producers for maternal traits that have been difficult to characterize. Cassady and Stallo believe that with the implementation of an inventory reporting option through the Angus Herd Improvement Records (AHIR) program, the Angus breed not only will collect more data but will also collect more useful data to better serve all sectors of the industry.

hard-to-reach traits while keeping current inventory on your cow herd. A major advantage of inventory reporting is that it gives full credit to the high performers in a herd. The information gathered with inventory reporting, from disposal and reason codes while accounting for each calf born, is especially informative for the Association and the Angus breed's end goal — the focus on longevity.


Little changes occur for the MaternalPlus program. For members already enrolled in MaternalPlus, they essentially are enrolled in inventory reporting. Enrollment dates for inventory reporting and MaternalPlus

is available twice a year. The most effective time to enroll your herd is after your current calf crop is weaned and before your next calf crop has started calving. Therefore, if your herd is mainly a spring calving herd, you are best

to enroll your herd from November to January. If you are primarily a fall calving herd, it is best to enroll your herd from May to July.

AHIR and inventory reporting by going to Angus.org or AAA Login to access the simplified, easy wizard that will walk you through the enrollment process.

Learn more about



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

www.centrallivestockks.com

Office: 620-662-3371
or Matt Hoffman (Owner): 620-727-0913
Hay Auction- Every Tuesday at 9:00 a.m.
Cattle Auction- Every Tuesday at 10:00 a.m.
Hog/Sheep/Goat Auction- Every 3rd Saturday
Horse/Tack Auction- Every 1st Saturday

Results From November 24th Sale:

Holstein Steers			
300-400	\$86.00-\$91.00	700-800	\$77.00-\$86.00
400-500	\$72.00-\$93.00	800-900	\$74.00-\$85.50
500-600	\$82.00-\$87.50	900-1000	\$71.00-\$87.00
600-700	\$75.00-\$85.00		

Sat., Dec. 5th - Horse & Tack Sale
Tues., Dec. 8th - Calf/Yearling Special
Sat., Dec. 19th - Hog/ Sheep/ Goat Sale

Eureka Livestock Sale

P.O. Box 267 Eureka, KS 67045
620-583-5008 Office 620-583-7475

Sale Every Thursday at 11:30 a.m. Sharp
Like Us On Facebook!

THERE WAS NO SALE HELD NOVEMBER 26th

EARLY CONSIGNMENTS FOR DEC. 3
• 85 blk Red strs & hfrs, 500-750 lbs.
• 50 blk Sim X strs & hfrs, 300-500 lbs.

December 17th last sale of the year

We appreciate your business!

Ron Ervin - Owner-Manager
Home Phone - 620-583-5385
Mobile Cell 620-750-0123
Austin Evenson- Fieldman
Mobile Cell 620-750-0222

If you have any cattle to be looked at call Ron or Austin

VALENTINE LIVESTOCK AUCTION CO. Valentine, Neb.

THURSDAY, DECEMBER 3, 2020

Special Spring Calf Sale feat. Red Angus Weaned & Non-weaned
S.T. 12:00 Noon Expecting 3500 hd.

Valentine Livestock Health Protocol 2020

#4 7-way (2), 5-way viral (spring & fall), pasteurella, and poured or injected w/ Ivermectin (fall)
#3 7-way (2), 5-way viral (spring & fall), pasteurella, no pour on
#2 7-way (2), 5-way once; #1 7-way only

Red Angus:

180 .rd Ang strs NHTC-CRA Crump & Ravenscroft genes.....475-550#.....McLeod Rn #3
100 .rd Ang strs CRA NI.....500-600#.....Bart Uhlir #3
110 .rd Ang strs NI CRA/drugfree cake & range.....475-575#.....Flying D (DeNaeyer) #4
110 .rd Ang hfrs NI not topped Schuler genes.....450-550#.....Flying D (DeNaeyer) #4
100 .rd Ang NI hfrs not topped.....450-575#.....Blake Thomsen #4
100 .rd Ang unweaned long haul, yearling makers.....500-600#.....Brett & Taylor Fox
100 .rd Ang strs NI unweaned deep sided.....550-650#.....Charles Zuccaro #4

Weaned Calves:

305 .blk, blk-x (9 rd) strs hayfed Renown & Leadon genes.....550-660#.....C. J. & C. Miles #4
135 .blk & Ang strs 1 ld @ 760# Risse genes.....675-740#.....Kevin Vandermay #4
120 .blk & Ang strs 1 ld @ 725# Risse genes.....650-725#.....Leo Goss
145 .blk, blk-x strs 1 ld @ 700#.....600-715#.....Jim & Jeremy Mansfield #4
100 .blk & Ang strs fancy.....600-700#.....Duane & Mark Sedlacek #4
65 .Ang strs NI Van Dyke & Cedar genes Feb born.....675-725#.....Leroy Logterman
100 .Ang & blk strs NI hayfed, running out- 1ld@675#.....600-700#.....Hayland Cattle Co #4
70 .blk bwf strs NI running out/condition.....475-650#.....Ron & Rick McFadden
140 .blk, few bwf & rwf (90s-50h) NI on hfrs.....600-650#.....Travis & Hannah Schmidt #4
102 .rd, rwf & blk, bwf cake & range.....450-525#.....Wollfenden Herefords #3
140 .Rd-X (101s-39h) NI.....450-550#.....47 Ranch
100 .blk, bwf (58s-42h) NI Joseph & Diamond Lazy J genes.....500-700#
.....E-D L & C (Dustin Eide) #4
77 .blk, bwf, few Heref (47s-30h) NI.....600-700#.....Jack C & Heather and Colt King #4
60 .blk NI hfrs not topped.....500-600#.....Bar Eleven Rn Co & Kevin Reece #4
50 .blk.....575-675#.....Justin Hammond #4
30 .Ang & blk (20s-10h) NI.....600-700#.....Mark & Lavone Slovek #3
60 .blk, few rd NI.....500-600#.....Bob & Nancy Sinnett #4
44 .blk NI.....450-550#.....Mavis Fleming
27 .Ang strs.....650-750#.....Doug & Anthony Diebler

Non-Weaned Calves:

140 .blk (78s-62h) hfrs not topped- Connealy & Lovejoy sired 450-550# L & K Songer & GC Cattle Co
55 .blk NI.....450-550#.....Mavis Fleming
30 .Ang NI Barstow genetics.....450-675#.....Lorraine Worth
25 .Ang & bwf NI hfrs not topped.....600-725#.....Gary Galbraith
15 .Ang strs NI.....600#.....Guy Anker

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No Market Report for 11-26 due to Holiday.

CHECK OUR WEBSITE AS WELL AS FACEBOOK FOR UPDATED LISTINGS! STAY TUNED FOR EARLY CONSIGNMENTS!

We welcome your consignments!
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****STARTING TIME: 12:00 NOON****

MARKET REPORT FOR TUESDAY, NOVEMBER 24, 2020
RECEIPTS: 577 CATTLE
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STEERS	HEIFERS
2 bbw males 372@186.00	1 blk hfrs 405@168.00
2 blk males 410@170.00	2 blk hfrs 322@160.00
11 blk red strs 463@164.50	5 blk hfrs 420@160.00
6 blk bwf strs 577@146.00	6 blk bwf hfrs 506@147.00
34 blk bwf strs 658@139.25	9 blk bwf hfrs 622@141.00
23 blk bwf strs 759@138.50	10 blk bwf hfrs 677@136.00
6 blk bwf strs 717@138.00	7 blk bwf hfrs 578@135.00
17 blk bwf strs 847@137.00	5 blk gwf hfrs 662@130.00
5 mix strs 642@130.25	6 blk bwf hfrs 601@123.00
3 blk gwf strs 851@130.00	
8 mix strs 738@125.50	

SPECIAL 69TH ANNIVERSARY CALF & YEARLING AUCTION, TUESDAY, DEC. 1 CUSTOMER APPRECIATION MEAL

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K-State, Minnesota researchers collaborate to study antimicrobial use in food animal industries

Kansas State University and University of Minnesota researchers are collaborating with the Food and Drug Administration's Center for Veterinary Medicine and food animal industries to evaluate systems for collecting and evaluating antimicrobial use data in food animal production, including U.S. beef feedlot, dairy, swine, turkey and chicken production settings. The project is largely funded by the Center for Veterinary Medicine.

The researchers also are collaborating with the U.S. Department of Agriculture's Center for Epidemiology and Animal Health as they develop their data systems. Their results have just been published in a special issue of *Zoonoses and Public Health*, an international journal that publishes integrated and global approaches to disease transmission and public health at the interface of human and animal health.

Leading the collaborative research for beef feedlots and dairy is the K-State team, all connected to the university's College of Veterinary Medicine: Mike Apley, professor of production

medicine; Brian Lubbers, associate professor of diagnostic medicine and pathobiology; and former graduate students Nora Schrag and Katie Hope, both now K-State doctoral graduates in pathobiology.

Collaborators at the University of Minnesota include Sandra Godden, dairy cattle; Randy Singer, chickens and turkeys; and Peter Davies, swine.

Preserving the ability to use effective antimicrobials in the therapy of disease for both humans and animals is the underlying goal for each of the projects. To better understand the future of antimicrobial use in animal agriculture, the researchers said it is important to fully understand current antimicrobial use. Food animal producers and veterinarians also benefit from knowing how their current antimicrobial use compares to their peers. These goals require systems that are capable of gathering data from varying record systems and standardizing and reporting the data in a meaningful way.

"One of the key components of antibiotic stewardship is understanding how we are using the antimicrobials in comparison

to others," said Apley, the principal investigator for K-State's portion of the project. "In our papers, you will find an emphasis on the effect of how we choose to report and evaluate antimicrobial use data, as well as the unique aspects of each food animal production system and how they require different approaches to data collection and analysis."

The scope of the monitoring in each project varies, from approximately 90% of the chicken industry, represented in Singers' data, to convenience samples involving 22 beef feedlots and 29 dairies.

Apley said producers and veterinarians were key to success of the projects. Each producer received a confidential benchmark report comparing their antimicrobial use to the other participants. The reports and papers separate antibiotics by class and present them in relation to the animal populations from which the data were derived.

The beef feedlot and dairy papers are pilot projects that will help inform the structure of systems designed to describe antibiotic use in a manner that supports antibiotic

stewardship. "The projects would not have been possible without our collaborating beef feedlot and dairy producers," Apley said. "The ability of these producers to combine their own expertise with their veterinarian's in applying the data to their specific circumstances is a focus of our work. Their feed-

back on what is useful will shape our future efforts."

Apley is a current member of the Presidential Advisory Council for Combating Antibiotic-Resistant Bacteria, a council that Singer and Davis have previously served on. Collecting antimicrobial use data is one of the areas of focus in the most recent council report, which may

be accessed at hhs.gov/ash/advisory-committees/pac-carb/index.html.

Kansas State University and University of Minnesota researchers collaborate with the FDA Center for Veterinary Medicine and food animal industries to evaluate systems for collecting and evaluating antimicrobial use data in food animal production.

Dalebanks Bull Sale averages \$5438

Neither overcast skies nor the cloud of a pandemic could dampen demand for bulls during the 2020 Dalebanks Angus "Practical, Profitable, Genetics" Bull Sale, November 21, northwest of Eureka.

59 coming two-year-old bulls averaged \$6034, 70 yearlings averaged \$4936, as 129 total bulls averaged \$5438. The consistent quality was evident throughout the sale, as bulls traded in a range of \$3500 to \$11,000, with more than 75% selling for \$6000 or less. Bulls sold to buyers from Kansas, Missouri, Oklahoma, Texas and Colorado, with 75% remaining in Kansas.

Top bull was Lot 2, Dalebanks Tahoe 9053, at \$11,000, selling to Cross L Ranch, Sedan. Lot 10, Dalebanks Sure Fire 9065, and Lot 13, Dalebanks Arb Discovery 9004,

sold to Hashknife Ranch, Wilmore, for \$10,500 and \$10,000, respectively. Lot 66, Dalebanks Broken Bow 9382, fetched \$10,000, selling to Live Oak Farms, La Grange, Texas. Lot 85, Dalebanks Tahoe 9337 brought \$10,000, selling to Travis Thomas, Butler, Mo. And lot 71, Dalebanks Sure

Fire 9327, sold to Rex Savage, Florence, for \$9000.

The Perrier family thanks all of their customers, family and friends for the continued support of the Dalebanks program, now in its 116th year of raising Angus seedstock for the commercial beef cattleman.



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We sold 1314 cattle November 24. Steer and heifer calves were in good demand at steady prices. Feeder steers and heifers were steady. Cows and bulls sold steady to \$3.00 higher.

STEER & BULL CALVES	62 blk/char str	849 @ 147.25	3 blk/red hfrs	357 @ 155.00	1 x-bred cow	1510 @ 69.50	2 blk cows	@ 1100.00	1 bwf bull	2280 @ 78.00	
23 blk/bwf str	408 @ 210.00	63 blk/red str	806 @ 146.75	1 blk hfr	474 @ 155.00	1 blk cow	1560 @ 69.00	1 blk cow	@ 975.00	1 blk bull	2345 @ 74.50
5 blk/bwf str	341 @ 203.00	58 blk/bwf str	862 @ 146.75	1 blk hfr	405 @ 152.00	1 bwf cow	1725 @ 68.00	1 blk cow	@ 785.00	1 blk bull	2015 @ 72.00
1 blk str	375 @ 187.00	3 red str	560 @ 146.00	1 blk hfr	425 @ 149.00	1 sim cow	1680 @ 67.50	COW/CALF PAIRS			
1 blk str	435 @ 186.00	26 blk str	591 @ 146.00	1 blk hfr	485 @ 149.00	1 blk cow	1300 @ 67.00	3 blk cows/cvs	@ 1375.00	1 blk bull	1345 @ 67.00
2 blk/bwf str	430 @ 182.00	5 red str	625 @ 142.00	3 blk/char hfrs	502 @ 137.00	1 bwf cow	1605 @ 66.50	1 sim cow/cf	@ 1000.00	1 wf bull	1910 @ 65.50
1 bwf str	330 @ 180.00	63 mix str	913 @ 140.00	6 blk hfrs	502 @ 135.00	1 blk cow	1425 @ 65.00	BULLS			
1 blk bull	405 @ 177.00	57 blk/bwf str	864 @ 139.75	STOCKER & FEEDER HEIFERS	72 mix hfrs	667 @ 144.25	1 blk cow	1530 @ 63.00	1 blk bull	2060 @ 83.00	
2 blk/bwf str	313 @ 174.00	13 wf str	745 @ 135.00	72 mix hfrs	667 @ 144.25	1 bwf cow	1325 @ 62.00	1 blk bull	2210 @ 79.00		
3 blk str	485 @ 174.00	3 blk str	803 @ 133.00	6 red hfrs	568 @ 129.50	1 blk cow	1385 @ 61.00				
1 blk str	485 @ 172.00	9 blk/char str	703 @ 132.00	2 blk/bwf hfrs	840 @ 129.50	1 blk cow	1405 @ 60.50				
1 blk str	495 @ 171.00	3 blk str	732 @ 132.00	60 mix hfrs	837 @ 129.25	1 blk cow	1435 @ 60.00				
1 blk str	470 @ 169.00	4 wf str	654 @ 131.00	62 blk/bwf hfrs	853 @ 127.60	1 bwf cow	1365 @ 59.50				
5 blk/bwf str	539 @ 168.00	3 blk str	693 @ 130.00	63 blk/red hfrs	876 @ 127.25	1 blk cow	1360 @ 59.00				
2 blk str	418 @ 166.00	61 mix str	973 @ 130.00	57 blk/bwf hfrs	872 @ 126.75	1 blk cow	1560 @ 58.50				
1 bwf bull	480 @ 163.00	4 x-bred str	818 @ 128.00	20 blk hfrs	638 @ 124.50	1 blk cow	1350 @ 58.00				
3 blk str	357 @ 162.00	5 blk/red str	894 @ 125.00	4 red hfrs	1116 @ 75.00	1 blk cow	1440 @ 57.00				
4 blk str	546 @ 161.00	12 red str	1142 @ 105.00	COWS & HEIFERETTES		1 blk cow	1315 @ 56.00				
2 blk str	493 @ 160.00	HEIFER CALVES		1 blk hfrt	1070 @ 91.00	1 blk cow	1210 @ 55.00				
STOCKER & FEEDER STEERS	14 blk/bwf hfrs	370 @ 171.00		1 blk hfrt	1050 @ 89.00	1 red cow	1325 @ 54.00				
1 red str	560 @ 155.00	2 blk hfrs	373 @ 166.00	1 blk hfrt	1125 @ 80.00	1 blk cow	1250 @ 53.50				
2 blk/red str	573 @ 153.00	2 blk hfrs	405 @ 165.00	1 blk cow	1215 @ 75.00	1 blk cow	1310 @ 53.00				
65 blk/red str	732 @ 149.50	2 blk hfrs	413 @ 158.00	1 blk cow	1810 @ 71.50	1 blk cow	1290 @ 52.00				
61 blk str	837 @ 148.25	5 blk hfrs	445 @ 156.00	1 blk cow	1760 @ 71.00	1 blk cow	1230 @ 50.00				
58 blk/bwf str	915 @ 147.75	22 blk/bwf hfrs	488 @ 155.50	1 blk cow	1550 @ 70.50	BRED COWS & HEIFERS					
				1 blk cow	1510 @ 70.00	8 blk hfrs	@ 1210.00				

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 - 40 blk steers & heifers, 800-900 lbs.
 - 40 blk steers, 875-900 lbs.
 - 79 blk heifers, 800-850 lbs., home raised green, off grass
 - 148 blk steers, 925-950 lbs., home raised green, off grass
 - 130 black steers, 850-875 lbs.
 - 61 blk X-bred steers, 925-950 lbs.

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