



Like many of you, I have been Zooming a lot lately and there is more Zoom to come!!!

I taught classes for Osher Lifelong Learning through KU. I loved it. The students, many of whom were older retirees, were smart

and interested and an absolute joy. I have missed being a part of this since moving to Oakley. Well, I got an email and a phone call a few weeks ago from the Osher folks. Since EVERYTHING is being taught remotely, I can teach again!!!

Our first Zoom training session for instructors was held the other day. In my group, there were seven other instructors, myself, and Linda Kehres with Osher. If we could have added up the IQ points on our Osher version of the Hollywood Squares screen, I'm sure it would

have been in the thousands!!! (Then again, my talents do not include math).

Alas, not one of us was proficient in Zoom which quickly became apparent, as Linda repeatedly said, "Uh, why don't you just wait and we'll get back to you..."

Never fear, Dear Reader, the kinks will be un-kinked and we will be Zooming like teenagers when the Osher classes start. The good news about Zoom is that it does not matter where you are - you can take the class!!!

Visit kupee.ku.edu for

a class schedule and enrollment forms. The fee is \$50 per course and consists of three 90-minute sessions. I will be teaching An Overview of the Santa Fe Trail and the Plains Indian Wars. The topics are so varied. For example, Bill Keel, KU professor in German studies, has a fascinating course on German culture in Kansas that I plan to take myself if there isn't a conflict with my own class. Another professor is sharing the history of Lawrence - millions and millions of years ago when it was a primordial forest. WOW!

Do visit the website and sign up for something. It is a fantastic opportunity to take advantage of the expertise offered on so many topics.

See you in class!
Deb Goodrich is the host of the Around Kansas TV Show and the Garvey (Texas) Foundation Historian in Residence at the Fort Wallace Museum. She chairs the Santa Fe Trail 200, the bicentennial of the opening of that historic route in 2021. Contact her at author.debgoodrich@gmail.com.

Corn ears tell us what went right, what went wrong

It sounds corny, but if we use our ears, corn ears will tell us why yields are down, says University of Missouri Extension state agronomist Bill Wiebold.

Corn ears tell and show us what went wrong during pollination and fertilization, the most critical time of yield establishment.

The ear takes us on an amazing journey of its hard work to make kernels for high yields and profits.

Before pollination, the ear collects 1,000 female flowers. The structure that will become a kernel, if all goes well, is an ovule. One silk attaches to each ovule.

Just prior to stage R1, all 1,000 silks jump into action. They elongate under

the husks and emerge. When timing is correct, pollen sheds from the tassel onto the silks. Then, pollen grains and pollen tubes begin a courtship dance of sorts. The pollen grains germinate and pollen tubes grow inside the silks all the way to the ovule. Male and female sex cells called gametes then merge to make kernels.

"It's an amazing process, but in a good year, it successfully happens 15 to 20 million times in each acre of corn," Wiebold says.

But sometimes things go awry, resulting in poor tip fill or unfilled ear tips. Silks from the ovules near

the ear tip elongate later and slower than other silks. These latecomers emerge last and other silks may cover them. Because of this, sometimes these silks do not capture pollen grains.

Two main causes prevent ovule fertilization.

The first is because of slow silk elongation. Silk elongation slows if there is limited water available. Tassels develop at a normal pace but silks may emerge too late to receive pollen shed. Tip silks are the last to emerge and may be the most likely to miss pollen. Silks that stay attached at the tip indicate fertilization of tip ovules did not happen. As a re-

sult, kernels do not grow.

The second thing to prevent ovule fertilization happens during the 24 hours between pollen grain germination and ovule fertilization. Silks must remain fully swollen for pollen tubes to grow. When silks dry during hot or dry weather, pollen tubes stop growing and ovules do not fertilize. This can happen anywhere on the ear. The location depends on where the stress occurred.

Kernels do not grow from unfertilized ovules. Cob tissue is easy to see and looks chaffy as the ear grows. As the ear matures, the cob dries and unfertilized areas shrink. These

areas may be less visible at ear maturity.

Sometimes fertilization occurs, but developing kernels abort or stop growing. Kernels within the ear compete with one another for sugars, minerals and water. Because of the path these nutrients take as they enter the ear from the stalk and spread through the ear, kernels at the tip are at a competitive disadvantage to receive them.

Kernels need a constant supply of sugars from photosynthesis to grow. Drought stress interrupts photosynthesis and causes leaf stomates to close and leaves to roll. Overcast skies with thick clouds also slow growth

after several days. Unfortunately, kernels cannot restart their growth even when weather improves, Wiebold says.

Agronomists refer to the symptoms of these problems as "tip dieback" or "tipback." Some dieback is normal when seeding rates are managed for maximum yield. Tipback may be visible and shows that there are enough ears for the highest yield.

Plants also compete for light and space at high stand densities and some dieback may occur. "Of course, the number of ears more than makes up for a small reduction in ear size," Wiebold says.



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Walmart to source fresh beef products more sustainably

Walmart will source fresh beef products "more sustainably" by 2025, prioritizing soil health, animal welfare and responsible use of antibiotics, the company said in a news release.

"As the world population continues to grow, so does the global demand for protein, which brings a unique set of sustainability challenges and opportunities. Livestock grazing and beef production in the U.S. can be part of a resilient, sustainable food system. Grazing lands cover about 40% of the United States. This includes iconic ecosystems and important wildlife."

The effort will include working with suppliers to improve grain sourcing and grazing practices. Moreover, Walmart is pushing suppliers to better understand the entire beef production cycle, using science-driven processes to improve sustainability efforts.



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For our sale held Friday, September 4th, steer and heifer calves were in shorter supply and were selling at mostly steady prices. Feeder weight cattle sold from steady to weaker prices with overall quality not as attractive. Cull cows and bulls were selling \$2-\$3 higher.

STEERS — 550-1,025 LBS.

St. George	4 blk	565@166.00
Manhattan	3 blk	593@162.00
Manhattan	4 blk	690@144.00
St. George	7 blk	695@141.00
Burns	53 blk	760@140.00
Cedar Point	8 blk	661@140.00
Cedar Point	16 blk	771@137.25
Burns	60 blk	865@136.10
Manhattan	4 Cross	831@135.50
Leawood	4 bwf	701@135.00
Tecumseh	9 Cross	650@132.00
Cedar Point	18 blk	924@127.50
Cedar Point	10 blk	720@122.00

Onaga	8 Ang	928@119.25
COWS & HEIFERETTES — 875-1,500 LBS.		
Clay Center	1 Simm	1350@90.00
St. George	1 blk	975@79.00
Council Grove	1 blk	980@71.00
St. George	1 blk	1465@67.00
Alma	1 blk	930@67.00
Council Grove	1 bwf	1120@66.00
Council Grove	1 blk	1045@65.00
Council Grove	1 Cross	1255@64.00
St. George	1 blk	1455@62.75
Council Grove	1 blk	1145@62.00
Council Grove	1 blk	1275@62.00
St. George	1 blk	1215@60.75
Americus	1 blk	1455@58.50
Americus	1 blk	1495@58.50
St. George	1 blk	1195@58.00
St. George	1 blk	1125@57.00
Frankfort	1 Heref	1345@56.50
St. George	1 blk	1280@56.50
Cedar Point	1 bwf	1170@55.50
Cedar Point	1 blk	1220@55.00
Randolph	1 blk	880@54.50

Frankfort	1 blk	1860@88.25
Goff	1 blk	1595@87.50
Clay Center	1 blk	1255@87.00
Manhattan	1 blk	1410@85.25
Leonardville	1 blk	2110@85.00
COW/CALF PAIRS		
AGE		
Kincaid	6 blk 4-5	@1850.00
Havensville	1 blk 5	@1650.00
Kincaid	1 blk 8	@1475.00
Americus	1 Cross 5-6	@1450.00
Americus	2 blk 6-7	@1425.00

BRED COWS			
AGE BRED			
Americus	1 Cross 3	8 @1475.00	
Americus	4 blk 3-4	7-8 @1460.00	
Americus	9 blk 6-7	7 @1450.00	
Welda	1 blk 3	9 @1450.00	
Wamego	2 blk 4-5	8 @1400.00	
Americus	2 Cross 5	8-9 @1225.00	
Americus	4 Cross 7-8	7 @1175.00	
Americus	4 blk 7-8	7-9 @1125.00	
Welda	1 blk 5	7 @1125.00	
Cncl Grve	22 blk 3	2-3 @1085.00	

EARLY CONSIGNMENTS FOR SEPT. 11

- 35 choice blk strs, 3 rds shots, off grass, long weaned, 700-850 lbs.
- 13 blk replacement OCV hfrs
- 76 choice reputation Ang Gelv cross strs & replacement quality hfrs, weaned, all shots, 700-850 lbs.
- 18 Choice reputation Angus OCV Fall born replacement hfrs, all shots pelvic measured, 700-750 lbs.
- 62 blk strs & hfrs, weaned April, 2 rds shots, off grass, 600-800 lbs.
- 10 blk & Red Angus strs & hfrs, weaned, Spring shots, 500-800 lbs.
- 42 blk strs & hfrs, weaned March, off grass, 600-700 lbs.

SELLING AT 11:30 A.M.

- 40 blk cows, 4-8 yrs, approx. half will have SimmAng Aug. sired calves by side, balance heavy Springers.

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			DAN COATES BALDWIN 785-418-4524
			BRYCE HECK LINN 785-348-5448 Cell: 785-447-0456
			ANDREW SYLVESTER WAMEGO 785-456-4352

Kansas Hay Market Report

Hay market trade slow to moderate; producers are still moving hay around although fewer tons were reported. Demand has picked up a bit with an increase in inquiries from out of state as well as in state, while prices remain steady. The hot and dry weather continued for most growers and all could use some rain. The cutting of hay may have varied across the state, from wrapping up third to finishing fourth, but all agree that these later cuttings are providing greater yield and higher quality than earlier cuttings. However, overall most producers

and buyers are watching the quantity of hay available closely. The U.S. Drought Monitor states that abnormal dryness (D0) remained around 17.5 pct, moderate drought (D1) decreased to 12 pct, severe drought (D2) remained steady at 4 pct, and extreme drought (D3) remained less than .05 pct. If you have any extra hay to sell and/or need hay here in Kansas, use the services of the Internet Hay Exchange: www.hayexchange.com/ks.php.

Southwest Kansas

Dairy alfalfa, grinding alfalfa and ground and delivered steady; movement slow. Alfalfa: horse, premium small squares 230.00-240.00. Dairy 1.00/point RFV, Supreme 185.00-226.00, Premium 170.00-195.00, Good 150.00-170.00. Stock or Dry Cow 155.00-165.00. Grinding alfalfa 120.00-135.00 delivered, with an instance at 140.00. Ground and delivered locally to feed lots and dairies, 150.00-160.00, with a couple of instances at 170.00. Grass Hay: large squares 100.00-110.00, large rounds 95.00-100.00; Sudan: large rounds 65.00-75.00. The week of 8/23-8/29, 5,678T of grinding alfalfa and 475T of dairy alfalfa was reported bought/sold.

South Central Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, alfalfa pellets, steady; movement slow. Alfalfa: horse, small squares 255.00-275.00. Dairy, 1.00/point RFV, Supreme 185.00-225.00, Premium 170.00-195.00, Good 150.00-178.00. Stock cow, 140.00-150.00. Fair/good grinding alfalfa 80.00-115.00, 120.00-130.00 delivered. Ground and delivered 135.00-155.00. Alfalfa pellets: Sun cured 15 pct protein 185.00-200.00, 17 pct protein 200.00-210.00, Dehydrated 17 pct 305.00-310.00. Grass Hay: Bluestem, mid to large squares 100.00-110.00. Brome: large squares 100.00-120.00. Sudan: large rounds 55.00-65.00. Crabgrass: large rounds 60.00-70.00. Wheat straw: large squares, 55.00-65.00. The week of 8/23-8/29, 5,760T of grinding alfalfa and 650T of dairy alfalfa was reported bought/sold.

Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered

steady, grass hay steady to 5.00 **lower; movement slow. Alfalfa: horse or goat, 230.00-240.00. Dairy 1.00/point RFV. Stock cow 145.00-155.00. Fair/Good grinding alfalfa, none reported. Ground and delivered, none reported; Grass hay: Bluestem, small squares **120.00-125.00, good, mid squares 80.00-100.00, large squares, 95.00-120.00, large rounds 60.00-90.00. Brome, good, small squares none reported, mid to large squares 95.00-105.00, large rounds 75.00-85.00. Wheat Straw: mid and large squares 60.00-70.00, large rounds 55.00-65.00. The week of 8/23-8/29, 751T of grass hay was reported bought/sold.

Northwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: Horse or goat, 205.00-215.00. Dairy, Premium/Supreme 1.00/point RFV. Stock cow, fair/good 145.00-155.00. Fair/good grinding alfalfa, 95.00-100.00. Ground and delivered locally to feedlots and dairies, 125.00-135.00. Sudan, large rounds 60.00-70.00. Wheat straw, large squares 55.00-65.00.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay, steady; movement slow. Alfalfa: horse, premium small squares new crop, 9.00-10.00/bale. Dairy 1.00/point RFV, Supreme 185.00-225.00, Premium 170.00-195.00, Good 150.00-170.00. Stock Cow, 150.00-160.00. Fair/good, grinding alfalfa, 105.00-120.00. Ground and delivered 120.00-135.00. Grass hay: Bluestem, small squares 6.50-8.50/bale, mid to large squares 100.00-105.00, large rounds 70.00-80.00. Brome, small squares 8.50/bale, large squares 120.00-125.00, large rounds 75.00-85.00; Sudan, large rounds 55.00-65.00. Wheat Straw: small squares 5.00-6.00/bale, large squares 75.00-85.00, 100.00-110.00 delivered, large rounds 65.00-75.00. The week of 8/23-8/29, 661T of grinding alfalfa and 550T of dairy alfalfa was reported bought/sold.

* Prices are per ton and FOB unless otherwise noted

** Posted by Kim Nettleton, Kansas Department of Agriculture.

K-State provides statewide data on 2020 winter wheat performance

With the next winter wheat crop planting just days away, Kansas farmers can be armed with information about how different varieties fared across the state in the last growing season.

K-State Research and Extension has made available the 2020 results of its Winter Wheat Performance Tests for the crop harvested this summer, showing county by county yield, moisture, height, test weight and other data by the name of the wheat variety. The data also show where certain diseases were a factor.

"Choosing the right variety is as vital to maximizing profit as optimizing field activities and

equipment and agronomic inputs," said Jane Lingenfelter, assistant agronomist and coordinator of the crop performance testing program.

Data from prior years is also available online.

"The Kansas wheat performance tests are designed to provide timely, unbiased, comparative yield information on commercially available and soon-to-be-released cultivars that are adapted for Kansas," Lingenfelter

said. "We do our best to cover a range of management and environmental conditions across the state to assist producers in selecting the best product for their own growing conditions."

An Agriculture Today radio interview with Lingenfelter on the topic is available online.

More information about the Kansas State University Department of Agronomy is available on its website or by calling 785-532-6101.



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AUCTION

SATURDAY, SEPTEMBER 12, 2020 — 9:30 AM
Auction will be held in City Hall (National Guard Armory Building) 217 S High in MANKATO, KANSAS

FURNITURE
2 oak ledge cupboards; oak tall dish cupboard; oak 3 door ice box; walnut dresser w/hankie drawers; oak hall seat; 48" round oak claw foot table; iron & brass bed; newer oak curved glass china cabinet; flip tray high chair; oak office chair; claw foot rocker; oak upholstered rocker; other rockers; walnut drop leaf table & chairs; round seat oak chairs; oak pattern back rocker; telephone table & chair; wall hat rack; trunks; modern oak roll top desk; drop front desk; 3 piece 60's bedroom set.

ANTIQUES & COLLECTIBLES
Large assortment of all

collections: Fenton; 60's carnival; Jewell T "Autumn Leaf"; pink depression many lace edge; red depression; American pressed glass; stems; shoe collection; milk glass; blue & red Cape Cod; blue white china; cookie jars inc: Indian, Little Red Riding Hood, Mammy, many others; tea pots; blue square depression; Angel collection; hen on nest collection; cow creamers; egg collection; Frankoma; Pyrex; very large collection of other glass; apples; strawberry's; kerosene lamps; dresser lamps; liquor bottles; plate collection; Hummel bells; silhouette picture collection; mantel clock; viewer & cards; canes; fruit boxes; children's books; Bobbs Merrill readers; costume jewelry; **DOLLS:** large collection dolls, composition, Barbie, other; Barbie ornaments; Red Crown Gas sign; Good Year Tires sign; KO Rec crock feeder; Afghans; large assortment material; buttons; sewing machine table; sewing magazines; thread; dress form; water separator; scale beam; tin washing machine; tin buggy seat; cream can; ceiling light; cast iron boiler; lard press; cream separator parts; table saw; 50's double school desk; patio table & chairs; large assortment of other items.

NOTE: Marcella has a very large collection of glass, dolls & other items. Check our website at www.thummelauction.com for pictures. For your safety please wear your masks and social distance. If you do not feel well please call in you bids to 785-738-0067.

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SUNDAY, SEPTEMBER 20, 2020 - 11:30 AM
2619 MARQUE HILL ROAD, MANHATTAN, KANSAS

Queen sleep number bed, dresser & mirror; nice desk & credenza; newer round Oak table & 4 chairs; African bookcases; 2 couches; credenza; desk; old round Oak table & 4 chairs (painted green); chests; glider rocker; dresser with mirror; dresser; cedar chest; high chair; computer desk; Oak office chair; entertainment center; wood 2-drawer file cabinet; cart; large cabinet; shelving; bookcases; safe.

Clarinet; Viola; 2 cloth chairs; coffee & end tables; rocker; floor lamp; tables; Maple chairs; small shelves; old trunks; file cabinets; Elna sewing machine; loom. 1982 Ford Van; tilt garden trailer; Craftsman 80th anniversary DYS 4500 Intek Twin 22/ OHV riding lawn mower; metal gazebo; push mower; metal yard art wheels; 2-tine & 4-tine gas tillers; electric leaf/limb shredder; Craftsman 10" radial arm saw; Craftsman 10" table saw; 2 Craftsman tool cabinets; chain saw; anvil; folding tool table; assortment of hand & shop tools; tool cabinet; fishing poles; tackle boxes; bikes; sled; propane heater; lawn planter; lawn products.

African baskets & artifacts; Hummel collectibles; crystal; bread maker; glassware; dishes; chicken figurines; vases; camera equipment; globe; HP printer; lamps; kitchen items; many board games; tablecloths; nice coats; jewelry box; Bibles; books; cookbooks; many baskets; luggage; encyclopedias; record albums; office supplies; briefcases; Christmas & Holiday decorations; crafts; old dress patterns; bags; baby scales; yarn; fabric; craft supplies & books; hats; gloves; skates; ball bats; lots & lots more.

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COLLECTIBLE TOY & POTTERY AUCTION

SATURDAY, SEPTEMBER 19, 2020 — 9:30 AM
LOCATION: K-14 Auction Center, 10919 S K-14 Hwy - HUTCHINSON, KANSAS 67501
6 miles south of the Loves Truck Stop in South Hutchinson on 14 Hwy.



100S OF COLLECTIBLE TOYS
CAT Construction and Farm Toys; Ertl Farm Toys; Tonka; Cast Iron Toys; Marx Tin Toys; 1/64 Scale Semi Collection; Collectible Cars and Trucks; Ertl Precision Classics; Matchbox; Hotrod; Steel Wheel Ertl Toys; Lighted Showcase; plus many more not listed.

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Hull; Shawnee; Weller; Brown Drip; Roseville; McCoy; plus others. 1000's of Drawing Cards including Baseball; Football; Basketball and others.

Note: This private collection is very clean and well maintained, go to the website for photos. Auction will be held in climate controlled building, so come and spend a good day with us. Thanks Morris
For more photos go to auctionzip.com

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Cover Crop meetings to be held September 22 and 23

No-till on the Plains is hosting three cover crop informational meetings on September 22 and 23, 2020. The meetings will provide insight to attendees about the value of planting cover crops. Farmers, conservationists and the public are invited to the meetings to learn about where, when and why to plant cover crops. Retired NRCS soil health specialist Doug Peterson will share his 30-plus years of knowledge with attendees. The meetings are being held in partnership with Country Crock®, and its parent company Upfield, as part of the

brand's new sustainability initiative, The Cover Crops Project.

The partnership between No-till on the Plains and Country Crock aims to launch a new cover crop cost-share program for eastern Kansas and western Missouri growers. Details of the new cost-share program will be covered during each of the meetings. The program is ideal for growers wanting to try cover crops or add acres that have not been previously planted to a cover crop. Participants will be offered \$10 per acre on their qualified acres. A map of the eligible coun-

ties and the contract can be found on the No-till on the Plains website. www.notill.org

Meetings will be held on September 22, 2020 in Spring Hill, Kansas, and Archie, Missouri, and on September 23 in Independence, Kansas.

September 22, 2020
Spring Hill, Kansas
Community Center
613 S. Race St.
Spring Hill, KS 66083
9:00 a.m. until 12:00 p.m.

Limit of 45 attendees, pre-registration is encouraged

Archie, Missouri Community Building

34800 S. Butcher Rd.
Archie, MO 64725
2:00 p.m. until 5:00 p.m.
Limit of 45 attendees, pre-registration is encouraged

September 23, 2020
4-H Building
Park Boulevard and Oak Street
Independence, KS 67301

9 a.m. to 12 p.m.
Limit of 45 attendees, pre-registration is encouraged

Visit notill.org or call (785) 210-4549 for registration information. Pre-registration online is encouraged.

Columbus couple invests in renaming biological and agricultural engineering department at K-State

Carl and Melinda Helwig, Columbus, have invested in the naming of the Carl and Melinda Helwig Department of Biological and Agricultural Engineering in the Carl R. Ice College of Engineering at Kansas State University. The college plans to unveil the new department signage honoring the Helwigs on April 9, 2021.

This investment will empower the department to recruit and retain top faculty, support deserving students and provide flexible funding for department leaders to take advantage of emerging opportunities.

"I am extremely honored that Carl and Melinda Helwig have chosen to invest in the Department of Biological and Agricultural Engineering," said Joseph Harner, department head and professor. "The Helwigs are committed to assuring undergraduate students have extracurricular experiential learning opportunities beyond the classroom. Their generous gift enables students to participate in a team environment working on product design, testing, manufacturing and marketing prior to entering the pro-

fessional workforce."

The Helwigs, owners of Helwig Farms, raised wheat, corn, soybeans and grain sorghum on their southeast Kansas farm. The Helwigs also competed in state and nationally sanctioned tractor-pulling competitions and placed nationally in the early 1980s. Neither attended Kansas State University, but in the past few years, they have become important supporters and mentors of K-State students by investing in the university's quarter-scale tractor team. They felt a kinship with the students of K-State's quarter-scale

tractor team and were motivated to support that team, which demonstrates the power of engineering and inspired innovation.

"We are honored to support K-State as it educates the next generation of engineering professionals," Carl Helwig said. "We have had a good life, been fortunate in grain production, and we've enjoyed the thrill of competition. We want students to have every opportunity to be on top."

A gift of this magnitude is truly transformational for the college and the university.

"Carl and Melinda Hel-

wig personify the generosity of the K-State family," said K-State president Richard Myers. "Their investment in the success of the Carl R. Ice College of Engineering faculty, students and programs not only elevates the college but brings prestige to the university and helps propel K-State toward being nationally recognized as a student-centered public research university."

ONLINE AUCTION
PREVIEW: Monday, September 14, Noon-4 PM
4795 Frisbie Rd, Shawnee, KS 66226
BIDDING SOFT CLOSES Tuesday, September 15, 6:00 PM



All items consisting of 1947 Ford 2N tractor, 3 pt equipment. Snowblowers, Push mower, Shop equipment, Tools, Antiques, Collectibles, Household items, TV's, Jazzy motorized wheel chair, Handicapped equip, & much more.

BIDDING IS GOING ON NOW!
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SUNDAY, SEPTEMBER 13, 2020 — 10:00 AM
1321 NW Glick Road — TOPEKA, KANSAS
Power, Hand and Yard Tools, Garage Items, Modern Italian Dining Room Table and Chairs, China Cabinet, Other Furniture, Collectibles, Household, Misc. **Big Green Egg BBQ.**
AUTO (12-NOON): 2006 Chevrolet HHR LT, 165K.
ZERO TURN MOWER (Sells after Auto): Husqvarna MZ5225
See website for list & pictures soon: whunterauctions.com/ac.htm
Auctions by WAYNE HUNTER • 785-221-9622

2006 DODGE RAM 2500
3/4 ton Pickup
\$10,500
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AUCTION
SUNDAY, SEPTEMBER 13, 2020 — 10:00 AM
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FARM ESTATE AUCTION
MONDAY, SEPTEMBER 28, 2020 — 9:30 AM
Auction at the farm located at 8298 E. Magnolia Rd., SALLINA, KS. From Solomon, KS go 1.5 miles west on Old 40 to Donnemeyer Rd, then 7.5 miles south and about 1.5 miles west, south side of road, or from Salina go 7 miles east on Magnolia.
FARM MACHINERY, SEMI, TRAILERS, PICKUP, CAR, MOWER, ATVs & MISCELLANEOUS
NOTE: Please wear masks & adhere to social distancing guidelines.
CLERK: Shirley Riek, 526 Fredrick, Clay Center, Ks. 67432
LUNCH: Robin Fowles. Loader tractor available.
LEO ROESNER ESTATE & MALIN TORNBERG, SELLERS
See next week's Grass & Grain for listings & Go to kretzauctions.com or kansasauctions.net for pictures, map and any additional information
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Herington, 1 bwf	1410@69.00	Ramona, 61 blk	880@131.50	Marion, 55 blk	623@157.00
Woodbine, 1 blk	1500@69.00	Hope, 60 mix	884@131.00		
Tampa, 1 bwf	1390@68.50	Lincolntonville, 63 mix	893@129.00		
Herington, 1 blk	1310@68.50	White City, 4 blk	894@127.25		
Herington, 1 blk	1280@68.50	Manhattan, 3 blk	1358@99.00		
Herington, 1 blk	1265@68.00				
Herington, 1 blk	1475@68.00				
Herington, 1 red	1070@68.00				
Herington, 1 blk	1305@68.00				
Herington, 1 blk	1160@67.50				
Herington, 1 blk	1275@67.50				
Herington, 1 blk	1370@67.50				

EARLY CONSIGNMENTS FOR SEPTEMBER 9
• 35 blk hrs, home raised, LW, AS, off grass, 500-600 lbs. • 40 blk hrs, long wean, shots, 550-625 lbs.
MORE CATTLE BY SALE TIME

EARLY CONSIGNMENTS FOR SEPTEMBER 16
• 77 blk Red str & hrs, home raised, LW, AS, off grass, 600-800 lbs.
MORE CATTLE BY SALE TIME

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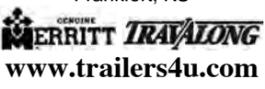
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- '16 Cat 272D, C/H/A, Warranty, 2600 hrs
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- CIH 2412 cornhead.....\$16,500
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- Frontier GC1107 grain cart.....\$19,500
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Three intake solutions are available on the VB 560 to meet your needs, all of which are silage-ready. The new TwinCharge intake excels in high capacity, high-productivity needs when baling straw, corn stalks or even soybean stubble. The OptiFeed system easily handles a range of crops from silage to dry hay and straw with the proven integral rotor. But, when it comes to no compromise cut hay, the Opticut 19 knife system easily processes the crop down to 2.8" (7 cm) while baling at high capacities along with a no-fear drop floor.

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Pork industry capitalizing on 2020 momentum

Pork demand in the U.S. has been sluggish for several years, but soaring retail meat sales due to the COVID-19 pandemic offer a renewed opportunity to grow market share, Angie Krieger, vice president of domestic marketing at the National Pork Board (NPB), said during a recent producer webinar.

"During COVID-19, sales have been very strong," she said. Pre-pandemic, pork was falling behind last year's pace, but as of midyear 2020, pork is up 25% in dollars at retail and up 17% in pounds at retail.

"We have more consumers today who have eaten pork in the last month than maybe at any time in history, and we are poised to take advantage of that," Krieger said.

As part of its efforts to capitalize on the momentum, the pork industry will soon be launching a new masterbrand campaign: "Deeply rooted in insights and research."

Research commission by NPB recently revealed that 73% of carnivores and 63% of omnivores agree that real meat is the best source of protein, while 38% of consumers want to know the farm where their meat was raised, and 60% say farmers are on their side when it comes to helping them stay healthy.

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"We're going to give them what they're asking for," Krieger said, unveiling the new "Real Pork" masterbrand, which will be integrated into everything NPB does.

The board will further be reimagining some of its former campaigns as well

as working with its dieticians to create a nutrition strategy for 2021. Additionally, the organization is working to modernize its position by focusing on younger consumers.

"Researcher shows that consumers form most of their cooking habits when they're in their late teens or young adult. You'll see a different look and feel to pork.org this fall as well as we really try to target that consumer demographic," she said.

All of these initiatives will help the industry meet its goal of being the top protein choice for consumers through converting consumer from other proteins, increasing pork consumption and creating a new consumer mindset.

What does all of this mean for U.S. producers? Krieger said she hopes producers will feel re-energized about this after a challenging year.

"We've worked very hard to keep products moving at a time that I know has been very difficult for you all on farm. We hope that 'Real Pork' will show you that the future is bright for our products," she said.

The momentum demonstrated during COVID-19 can be continued, and NPB seeks to do just that, she added.

NPB also has created a very robust strategy around foodservice, as the channel has undergone a great deal of change since COVID-19 emerged.

"Certainly, foodservice has changed and will likely continue to change, so we're talking about things like ghost kitchens and street food and delivery services that are different than how they've look in the past; we want to make sure that pork is on those menus," Krieger said.

Ground pork gains new fans

According to Krieger, the ground pork category has been seeing fantastic growth since early March, with 22% growth still in recent weeks. Also, while the pork industry traditionally thinks of ground pork for pork burgers, she said consumers are thinking about it differently.

"The really great news is 45% of ground pork shoppers had not purchased it in the previous 12 months, and they're likely to purchase the product again. So, we've got a bunch of new people to this category and just a fantastic opportunity for us to provide them with even more ideas for how they utilize ground pork at home."

NPB is working with several retailers and packers right now to increase ground pork's share of the meat case for the rest of 2020 and into 2021.

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Feedlots reload in July

By Derrell Peel, Oklahoma State University

A recent USDA Cattle on Feed report pegs the August 1 feedlot inventory at 11.284 million head, 101.5 percent of last year. This is the largest August 1 feedlot inventory in the data series back to 1996.

July feedlot marketings were 99.4 percent of one year ago. Placements in July were 111 percent of last year and were the largest July placements since 2011. Marketings were about as expected but placements were well above even the highest pre-report expectations and pushed the on-feed total slightly higher than expected.

Feedlot dynamics are a challenge to figure out after the turbulence of the first half of the year. Placements were down 17.7 percent year-over-year in February, March and April and, despite the 11 percent increase in July, are down 7.1 percent year-over-year for the last six months. Marketings dropped dramatically in April and May (down 25.6 percent year-over-year in those two months) and are down 6.0 percent in the six months from February to July.

One of the biggest concerns in fed cattle markets is the extent to which the backlog of fed cattle created in April and May still remains. Although June and July marketings were about equal to one year ago, a significant portion of those marketings were likely fed cattle that were carried over from April and May. The reductions in placements as far back as February have reduced the number of cattle finishing starting as early as June. Not only were total placements down in the February to July period but more of the reduction was in heavyweight placements, further reducing the number of cattle finishing now.

In the last six months, feedlot placements under 700 pounds have made up a larger percentage of total placements, which further reduces the number of cattle finishing at this time.

Carcass weights provide another indication of how current feedlots are at this time. Steer and heifer carcass weights have been above year-ago levels all year but the gap became especially wide in May as delayed marketings pushed carcass higher rather than to the normal seasonal low. In May, steer carcass weights averaged over 49 pounds heavier year over year and heifer carcass weights averaged nearly 42 pounds heavier than one year ago.

Currently carcass weights are still above year ago levels and are increasing seasonally but the gap is narrowing compared to last year. The latest data shows that steer carcass weights are 28 pounds higher year over year while heifer carcass weights are 26 pounds above one year ago. Carcass weights may continue above year ago levels for the remainder of the year but the gap will likely narrow a bit more.

The data, along with anecdotal indications, are that the backlog of fed cattle is rapidly diminishing and may be nearly cleaned up. Going forward, the one million head decrease in feedlot placements in February, March and April suggests that front-end feedlot supplies will be relatively tight at least through September.

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TRACT 1 – 320 ACRES

Legal description: South half (S/2) of Section 7, Township 20 South, Range 4 East, Marion County KS
Land Location: From Marion, 1 Mile South on Sunflower Rd.
Land Description: 237 acres of River bottom cultivated cropland. (80 acres in corn, 80 acres full season soybeans, 77 acres double crop soybeans) approximately 55 acres is native grass land, and the balance of 28 acres is Spring Branch creek, woodlands and trees. This farm contains some of the BEST and most productive cropland Marion County has to offer. Lying in the Cottonwood River valley and along Spring Branch creek the farmland acreage contains rich bottomland soils. Up the hill in the SW part of the farm is a native grass pasture/hay meadow that provides an excellent building site overlooking the river valleys towards Marion. Deer and other wildlife flourish along Spring Branch Creek and in its woodlands and trees. A 5 acre sheltered field is an excellent food plot to hunt in a secluded location yet very accessible and near town. The land has blacktop road (Sunflower) along the East and county gravel roads along the South and West sides. This farm not only has it all, It has the BEST!!

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TRACT 2 – 92.66 ACRES

Legal Description: Part of the SW/4 Section 18, Township 19, Range 3 East, Marion County KS
Location: From Hillsboro, 2 miles East on Hwy 56, then 2 miles North on Kanza, then 1 East on 220th
Land Description: All cultivated cropland (50.4 acres is corn, 40.2 acres double crop soybeans). An excellent open and clean tract of farmland having productive soils lying right beside the Marion Reservoir. This farm is a great investment property or addition to any farming program.

Possession: At closing subject to the present tenants rights to harvest growing crops. Present tenants MAY plant wheat in the corn acres where which the buyer will receive the 2021 rent on those acres. Seller will retain the 2020 rents.

TERMS: Earnest money deposit day of sale as follows: TRACT 1 \$75,000 (OR \$50,000 for tract 1a and \$25,000 for 1b, if sold in 2 parcels), TRACT 2 \$25,000. Earnest money is payable to Security First Title Company. The balance will be due in full at closing which shall be on or before October 10, 2020. Title insurance and closing fees will be divided equally between buyer and seller. Taxes for Tract 1 are \$5,206.58. Taxes for tract 2 are \$1,334. 2020 taxes will be paid by seller. All financing arrangements and/or inspections must be made prior to the auction. The property is being sold in an "AS-IS" condition and is not subject to financing or appraisal. All information is gathered from Marion County sources and is deemed reliable but not guaranteed. Statements made day of sale take precedence over any advertisements, printed material or previous statements. Leppke, Inc. is the agent of the Seller.

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21st K-State Beef Stocker Virtual Field Day scheduled for October 1

Making alternative ration ingredient changes work, beef cattle market outlook and nutrition, management, and economic aspects of limit feeding are among topics planned for the 2020 Kansas State University Beef Stocker Virtual Field Day on Thursday, Oct. 1. The conference will be hosted on the Zoom webinar platform.

"Due to increasing concerns around this evolving situation and standing by our commitment to keeping the safety of our participants, volunteers and partners as our top priority — we've made the decision to transition this year's Field Day to an online format," says Dale Blasi, K-State Animal Sciences and Industry professor and beef cattle Extension specialist. "Like previous years we will still provide the latest information on marketing, nutrition, health and technology for attendees to apply to their operation just in a little different format this year."

The day will start with a welcome at 9:30 a.m. and will conclude around noon.

Topics for this year's agenda include:
 Beef Cattle Market Outlook
 Making Alternative Ration Ingredient Changes Work
 Nutrition and Management — Limit Feeding
 Economic Aspects — Limit Feeding

Registration is free. We encourage you to register online by Sept. 24. To register go to the website:

//asi.ksu.edu/stockerfieldday. For more information, contact Lois Schreiner at 785-532-1267 or lschrein@ksu.edu.

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2010 Dodge Ram 4 door Laramie 4x4, 5.7 Hemi engine, LOADED with all leather interior, ONLY 12,285 miles, shiny red color, EXCEPTIONALLY CLEAN!! 2012 Dodge Chrysler Limited Van, loaded, automatic sliding door, leather interior, white color, very clean ONLY 50,127 miles; 1950's VW Bug, modified/stripped down and used as a fishing wagon/dune buggy (hasn't run for several years); John Deere D on steel (D55R) restored years ago and run last in '06, stored inside; John Deere 60, narrow front, w/power steering, PTO, add-on 3 pt.

SKID LOADER, KUBOTA, BOAT & MISC.

John Deere CT 322 Hi-Flt skid steer on tracks, 2 spd, enclosed cab/AC, ONLY 308 actual hours; Skid Steer attachments: 72" tooth bucket; 72" smooth bucket; 80" grapple bucket; pallet forks; Dauer Rotary tree saw; hyd. driven chain saw on telescoping arm; 2011 Kubota RTV 1100 4x4 diesel, full cab w/ac/heat only 4,242 hours, stored in garage; 21' sail boat on trailer; 1950's Johnson "Sea Horse" 5 1/2 hp boat motor w/manual trans.; John Deere 727 Z trac 54" mower, 23 hp, 525 hrs; 2 wheel 5'x8 1/2" metal tilt bed trailer; hydraulic log splitter on trailer w/5 hp Honda gas eng.; Stationary cement mixer w/elec. motor; Danuser Hyd. Post driver w/Triggs eng.; 3 pt. 100 gal field sprayer; Troybilt "Horse" rear tire tiller; gas snow blower; garden hose on 2 wheel cart/winder; 55 gal. fuel tank w/12 v. pump (new); McCormick "New Big 4" pull type sickle mower.

ANTIQUE & COLLECTIBLE

Quarter-sawn oak drop lid desk; 2 marble top parlor tables; Oak square table w/4 press back chairs; marble top dresser w/handkerchief drawers & mirror; Oak kitchen cupboard (very nice) w/glass front, roll top cabinet, flour bin, porcelain top; 5 drawer painted chest of drawers; Oak small side cabinet; oak love seat; glass front hutch; sideboard; Neolien player piano w/player rolls; Huge ornate dark wood marble top dresser w/all mirror (10' tall); American Cherry ornate 4 post pedestal bed; Large Oak roll top desk; Oak glider rocking chair; Grandfather clock (handmade by Docs father).

Dr. Salsbury's personal set of leather straps & Brass Spurs; Docs military helmet and binoculars; Old signs; Lucky Strike cigarettes, Hi-Patio Ethyl & more; Gilbert mantle clock; branding iron; bull whip; bridle; powder horn; 2 fox pelts; Jackalope mount; shaving mug & brush; cork & wooden decoys; boat oars; wooden cars/trucks made by Doc.; Aladdin oil lamp; 2 oil lamps w/cast iron wall mounts; numerous other oil lamps; Ace Hardware toy car banks; Warrensburg Mo. Commercial penny bank; No. 8 Mahogany hand crank coffee grinder; ice shaver; corn sheller; old forage on rolling cart; forge tools & ladles; wooden platform scale; old National Cash register; cast iron R.R. train caboose chimney smoke stack; R.R crossing lights; large metal electric bell; 5 & 10 gallon jugs, some w/ metal case/handles; old cans & tins, buckets; 5 lb "Sheep Brains" metal can; oil cans, livestock cans; sausage stuffer; meat grinders; sad irons; wooden pulleys; horse bits; cow bells; leather pilot helmet & head set in wooden box; 2 man saws; ice tongs; log roller; wooden planes; Pepsi bottle opener; old microscope; malt machine; Misc. old glassware, dishes, figurines; Dolls; pictures.

SHOP & OUTDOOR

Century 160 mig wire welder; Lincoln 225 AC welder; hyd. press; Atlas metal lathe; Enco 30 105-1110 milling & drilling machine; sand blasting machine; Craftsman rolling top chest; lg. metal rolling shop tables; Carolina tool & equip. band saw; cutoff saw; 2) Delta drill press; Belsaw planer; Jointer; Craftsman 10" table saw; DeWalt 20" scroll saw; B&D radial arm saw; lg. Band saw; 3) chain saws; acetylene torch set; bench vice; Anvil w/2 Hardys; DeWalt 12v saw/drill set; PC angle air nailer; PC brad nailer; DeWalt jig saw; Makita reciprocating saw; misc. hand tools, stapler, other misc. air & elec. tools/sanders/drills; rotary grinder tools, garden tool & woodworking tools; lg. wooden shop table; Stihl telescoping chain saw; rollers; bar & C clamps; Craftsman wet/dry vac; air wrenches; elec. drills, grinders, saws; chain hoist; wet/dry vac; floor jack; air hose; appliance dolly; Werner step ladders, ext. ladders, folding ladder; log chains; bolt cutters; combination wrenches; hand tools; saws; sockets; drill bits; misc. bolts, nails, screws, oils & other shop supplies; wheelbarrow; push mower; metal shelving; kerosene heater/blower.

36" cannon with 2" opening on 4 wheel cart

LOTS OF AMMO (various calibers) reloading tools; reloading supplies (powder, bullets, brass, dies); cleaning rods; several knives & swords; buck knife; sword w/brass handle; African knife w/bone handle; pocket knives.

HOUSEHOLD

Leather double recliner; Maytag washer & dryer set; Walnut 3 drawer nightstand; oak round high table w/5 oak chairs; modern double bed, dresser & chest of drawers; 2 cedar chests; wicker seat rocking chair; glass top end table; sm. end table; 3 recliners; sofa; matching couch & side chairs; sm. gun rack; magazine stand; 2) glass front stacking bookcases; book shelf; misc. lamp tables; Hatico dart cabinet & electric scoreboard; wooden file cabinets; 2 metal paint cans; 2 kerosene heaters; smoker/grill; 2 wool spinning wheels; cider press; camping gear & equipment; "we the people" U.S. constitution pendulum clock; pictures; misc. glassware; & much more!

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SELLERS: Property of DELORIS SHANNON & the Late GENE SHANNON

TRACTORS & VEHICLES: 1961 John Deere 4010 Propane; 1965 Ford 100 Twin I Beam Pickup; Allis D19, Turbo Charged Diesel; 1995 Ford F350 XLT, Crew Cab, Dualy, 7.3 Powerstroke, 2wd, 190,049 mi.; Ford LGT-165 lawn tractor w/ loader (not running); Caterpillar Track Dozer, not running (#7U4501); Ford 9n/2n Tractor. **MOTORCYCLES & MISC:** (Honda 750 Hondamatic, shows 15,977mi (not running); Honda Goldwing Interstate (not running); EZ loader Pneumatic Motorcycle Lift); **ROUND BALES** (36 Brome Bales, 12 Prairie Hay Bales). **TRAILERS & FARM EQUIPMENT:** (1992 Donahue 8'x16" Gooseneck tandem axle dump trailer); **TOOLS & OUTDOOR ITEMS:** (Country Tuff 22-Ton Log Splitter; Kubota ARX5500 Generator, 13-hp); **HOUSEHOLD & ANTIQUES:** (50-gal Barrel Parade Train Cars w/ seats x5; Queen SLEEP Number Lift Bed & 4-pc Set (Dresser, Chest of Drawers & End Table).

This is a partial listing. See website for full listing & photos:

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2020 MORRIS COUNTY FAIR LIVESTOCK GRAND AND RESERVE CHAMPIONS



The Grand Champion Market Lamb was led by Cassidy Dalquest.



Leading the Reserve Champion Market Lamb was Lakodah Downes of the Flint Hills 4-H Club.



Morris County Sheep Showmen earning top honors were, from left: Cassidy Dalquest (GC Intermediate Showman), Lakodah Downes (RGC Intermediate Showman), Chase Bacon (RGC Senior Showman), and Carissa Dalquest (GC Senior Showman).



The Supreme Breeding Heifer was shown by Cassidy Dalquest of the Flint Hills 4-H Club.



Cooper Andres of the Dwight Sunflowers showed the Reserve Champion Heifer and Champion Morris County Born.



Carissa Dalquest, Flint Hills 4-H Club, showed the Overall Champion Market Steer and Market Beef.



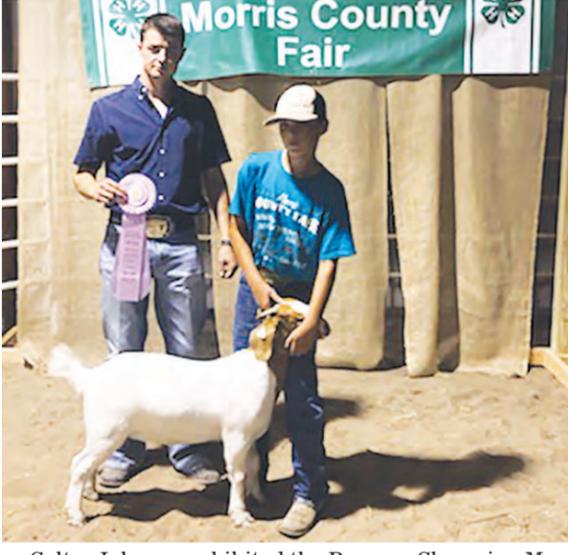
The Reserve Champion Market Beef and Steer was shown by Colter Johnson of the Willing Workers 4-H Club.



Beef Showmanship winners were, from left: Atley Johnson (GC Junior Showman), Cassidy Dalquest (GC Intermediate Showman), Castyn Andres (RGC Intermediate Showman), Carissa Dalquest (GC Senior Showman), and Jayden Patry (RCG Senior Showman).



The Grand Champion Meat Goat was led by Lakodah Downes.



Colter Johnson exhibited the Reserve Champion Market Goat.



The Grand Champion Breeding Doe was shown by Hudson Lange. Hudson's entry also won first place in the goat costume contest.



Senior Grand Champion Showman went to Mandy Wainwright; Intermediate Grand Champion Showman - Lakodah Downes; Junior Grand Champion Showman - Daylen Nielsen.

Congratulations to the Morris County 4-H'ers from these area businesses.

Congratulations to all 4-H Participants!

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Earning Senior Reserve Champion Goat Showman was Dryden Powell.



Gavin Carson was named Reserve Champion Intermediate Goat Showman.



Receiving the handshake as Reserve Champion Junior Showman was Fayth Ehrlich.

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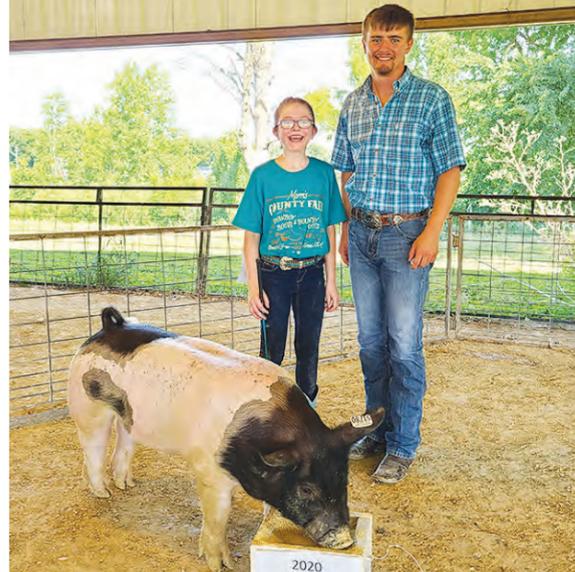
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The Grand Champion Market Swine was presented by Alexandria Priest.

More Morris County Fair winners on page 21.

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2020 4-H YOUTH SHOWCASE



Carissa Dalquest showed the Reserve Champion Market Swine.



Hudson Lange, of the Dwight Sunflowers was the Champion Junior Horse Showman and he and his horse Reyna were the winners of the All Around Ranch Horse.



Colter Johnson exhibited the Champion Market Heifer. He is a member of the Willing Workers 4-H Club.

Kansas AG files appeal in effort to defend rights of farmers, ranchers

Kansas Attorney General Derek Schmidt has filed an appeal challenging a federal district court ruling that parts of the Kansas Farm Animal and Field Crop and Research Facilities Protection Act violated the First Amendment of the U.S. Constitution. The Act, passed in 1990, made it a crime to gain access to an agricultural facility through deceit, then take pictures or video without the owner's consent, with the intent to harm the facility. The district court judge determined the Kansas law was a content-based restriction of free speech, which triggered the highest form of judicial scrutiny on constitutional issues. As a result, the judge ruled the government did not have a compelling interest in passing the law and ruled most of the law unconstitutional.

KLA disagrees with the district court and believes the law does not infringe upon the First Amendment of the U.S. Constitution, nor is the criminalized trespass conduct in the Act protected by it. KLA appreciates Schmidt's continued defense of the Act, which protects the privacy and property rights of Kansas farmers and ranchers. The Animal Legal Defense Fund, one of the plaintiffs that filed the lawsuit in December 2018, has admitted it wishes to commence an undercover investigation at a facility in Kansas. These purported investigations often manipulate stolen photographic and video content to portray alleged animal abuse with the intent to damage the reputation of a facility and the animal agriculture industry in general. Any actual mistreatment of animals is not tolerated by the agricultural community.

July Cattle On Feed numbers higher than expected

The latest U.S. Cattle on Feed report revealed an August 1 inventory of 11.28 million head, which is the largest in almost 25 years. July feedlot marketings were 99.4% of a year ago, but placements were 111% of last year, the largest since July 2011. According to Oklahoma State University Extension livestock marketing specialist Derrell Peel, marketings were about as expected, but placements were well above even the highest pre-report expectations and pushed the on-feed total slightly higher than expected. In Kansas, the inventory was up 3% from last year at 2.41 million head, with placements up 16% at 520,000 head.

Peel said feedlot dynamics are a challenge to figure out after the turbulence of the first half of the year. U.S. placements were down 17.7% year over year in February, March and April and, despite the 11% increase in July, are down 7.1% year over year for the last six months. Marketings dropped dramatically in April and May, down 25.6% year over year in those two months, and are down 6% in the six months from February to July.

One of the biggest concerns, Peel explained, is how much remains of the fed cattle backlog that was created in April and May. He said although June and July marketings were about equal to one year ago, a significant portion of those likely were cattle carried over from April and May. Overall, total placements were down from February to July, with most of the reduction falling in the heavyweight category, further reducing the number of cattle finishing now.

Peel believes data and anecdotal indications show the backlog of fed cattle rapidly diminishing. He said, going forward, the one million head decrease in feedlot placements in February, March and April suggests that front-end feedlot supplies will be relatively tight at least through September.



McKennon Lehman earned Grand Champion in Jr. Visual Arts at the Clay County Fair. His piece was State Fair nominated.



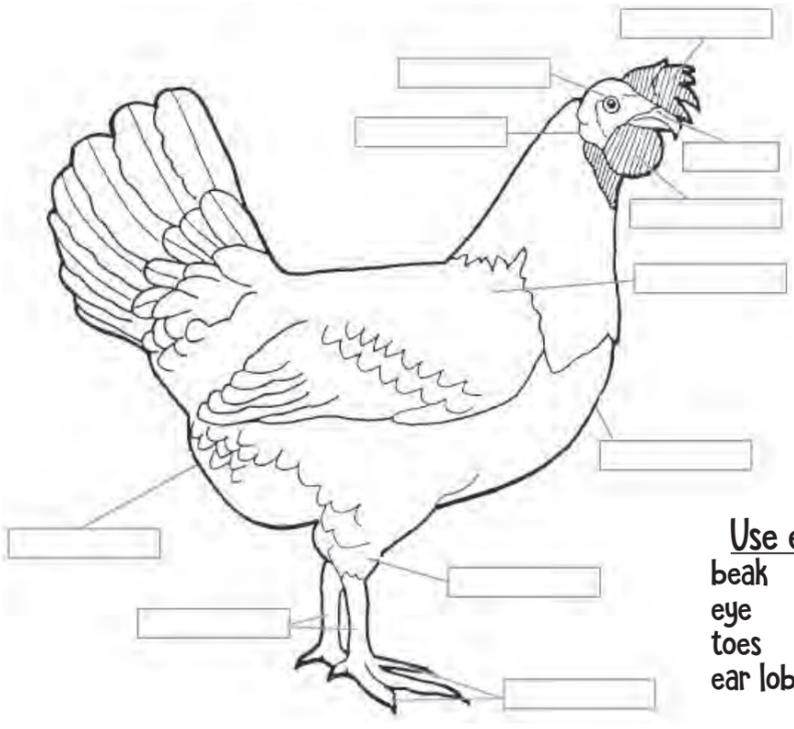
Daegen DeGraff, 13, of the Republican Valley 4-H Club, describes this project that he took to the Cloud County Fair like this, "I got the idea for this drawing because my Uncle asked me if I would draw his dog for him. This project took me around five months as I worked on it when I had time between school and other activities. This is my favorite project because I learned many new techniques while drawing it."

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September is:
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 AND
 National Honey
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Color and label the parts of a chicken



Use each word only once:
 beak breast comb
 eye hock shanks
 toes vent wattles
 ear lobe shoulder

This worksheet is a part of the Inhabitant and Embryology Project (<http://www.cornwall.ac.uk/embryology/>). University of Cornwall, Cornwall, UK.

Bee Clever!

Unscramble the bee-related words. Then take the red letters in the answers to find out how many bees it takes to make a single teaspoon of honey.

- | | | | |
|-----------|-------|-----------|-------|
| ebvheie | _____ | ycoon | _____ |
| yohne | _____ | geg | _____ |
| isgtn | _____ | vahstre | _____ |
| chnoyboem | _____ | krowre | _____ |
| wlofre | _____ | arcnet | _____ |
| pnloel | _____ | aalvr | _____ |
| zvbznig | _____ | enoybehe | _____ |
| neuve | _____ | xwa | _____ |
| derno | _____ | aploeilnt | _____ |

How many bees does it take to make one teaspoon of honey: _____



K-State research among first to analyze safety of industrial hemp as cattle feed

A pair of studies at Kansas State University is bringing new insight to farmers and producers seeking to incorporate industrial hemp in cattle feed.

After the 2018 Farm Bill legalized hemp production in the U.S., interest has grown in industrial hemp as an agricultural commodity, including as feed for animals. FDA approval, however, through the Association of American Feed Control Officials would be required before hemp could be fed to livestock or pets.

"Although hemp can be legally cultivated under license in Kansas, feeding hemp products to livestock remains prohibited because the potential for cannabinoid drug residues to accumulate in meat and milk has not been studied," said Hans Coetzee, professor and head of the anatomy and physiology department in the College of Veterinary Medicine.

A team of K-State researchers recently received a \$200,000 Agriculture and Food Research Initiative Competitive Grant from the U.S. Department of Agriculture's National Institute of Food and Agriculture to establish concentrations of cannabinoids in livestock after exposure to industrial hemp.

"Industrial hemp is typically grown to produce oil, seed, fiber and medicines," said Michael Kleinhenz, assistant professor of beef production medicine. "While varieties of hemp may be planted for a single or dual

purpose, such as for seed and fiber, byproducts consisting of leaves, fodder and residual plant fibers remain after harvest. These byproducts could serve as potential feedstuffs for animals. Because these are predominantly cellulose-containing plant materials, the ideal species for utilizing these feeds are ruminant animals, specifically cattle."

While there is interest in the use of hemp for cattle feeds, there are questions about whether the feed can be used safely because of concerns about tetrahydrocannabinol, or THC, intoxication and the presence of other bioactive cannabinoids. Kleinhenz noticed that most research was focused on humans, mice and swine, but not on cattle.

"This is surprising because cattle can readily utilize industrial hemp byproducts as they can digest cellulose plant materials in their rumens," Kleinhenz said.

Kleinhenz is part of a multidisciplinary research team consisting of pharmacologists, toxicologists, analytical chemists and horticulture experts. The hemp used in the studies was grown at K-State's John C. Pair Horticultural Center near Wichita. Other K-State researchers involved include Geraldine Magnin, Zhoumeng Lin, Steve Ensley, Jason Griffin, Katie E. Kleinhenz, Shawnee Montgomery, Andrew Curtis, Miriam Martin and Coetzee. The research team also included John Goeser and

Eva Lynch, Rock River Laboratories.

"We observed that the acidic cannabinoids, such as CBDA and THCA, are more readily absorbed from the rumen than other nonacid cannabinoid forms, such as CBD and CBG," Kleinhenz said. "Now that we have found that some cannabinoids are readily absorbed from the rumen, the next steps are to study the tissue and milk residue depletion profiles of these compounds after animal feeding experiments. The effects of cannabinoids on cattle are also unknown."

Follow-up experiments will include pilot studies to examine the effect of feeding hemp on animal behavior and immune function.

"Our goal is to fill in the knowledge gaps," Kleinhenz said. "Until feedstuffs containing hemp are established as safe in animals, our data will assist producers in managing situations involving intentional or unintentional hemp exposures."

The two published studies are "Nutrient concentrations, digestibility, and cannabinoid concentrations of industrial hemp plant components," which can be found in the journal Applied Animal Science, and "Plasma concentrations of eleven cannabinoids in cattle following oral administration of industrial hemp (Cannabis sativa)," which was published in *Scientific Reports*.

KSU experts discuss matching cattle needs to feed resources

By Lisa Moser

Cool crisp mornings and school activities filling the calendar are two signs that fall is on the horizon. Just as families make plans, cattle producers need to be looking into their fall grazing options, according to the team of experts at Kansas State University's Beef Cattle Institute.

"Producers need to be thinking now about planning for fall grazing whether that is stockpiling pasture or planting perineal grasses to minimize the use of stored forages such as hay," said K-State veterinarian Brad White.

White was among a group of experts who recently discussed fall grazing on *CattleChat*, a weekly podcast produced by the BCI.

Phillip Lancaster, a research assistant professor and beef cattle nutritionist for BCI, said that stockpiling is removing cattle from a pasture to allow late season forage growth to accumulate for grazing in the late fall and winter after the plant enters dormancy. K-State veterinarian Bob Larson added this can be done with or without adding fertilizer to the pasture.

"If producers use stockpiling as a management strategy it is important to know if that forage is a

good option because not all forages will work well," White said.

Larson added: "Effective stockpiling means that cattle are removed from the pastures at the right time to allow for good regrowth and not just putting them out on old, nasty, tall dormant forage. For example, cool season grasses such as fescue work well for this."

As with any management strategy, it is important to assess the costs, said K-State agricultural economist Dustin Pendell.

"Think about the costs tied into feeding the harvested forages in the winter, not to mention the amount of time it takes to feed the cattle, and weigh that against the investment of letting the cattle graze late into the season," Pendell said. "If you add on fertilizer, that is another expense to include in your calculations."

Larson said that the dollars per calorie of feed may be similar but the labor of feeding stored forages versus letting the cattle graze is much different.

"Producers need to look at all the costs, not just the cost of the calories but also the cost of getting those calories into the cows," Larson said.

Lancaster pointed out that stockpiling can happen with both a perenni-

al forage as well as on a planted winter annual.

"Producers need to consider the nutritional requirements of the animal consuming this forage," Lancaster said. "For example, if I am going to put spring calving cows in late gestation on a field, then a winter annual may not be the most cost effective. But if there are calves that are going to be weaned in the next month and backgrounded on my pastures, the winter annual may provide some high-quality forage and add weight to the calves."

Backgrounding allows the calves to graze pastures until they are ready to enter the feed yards.

Options for overseeding annuals could include winter wheat, ryegrass or fall oats, Lancaster said.

"The benefit of overseeding with those types of plants is that cattle will get a small benefit from fall grazing," White said. This strategy will also provide some early spring grazing opportunities for cows that ahead of rebreeding.

Lancaster said with this management plan, rebreeding rates often in-

crease because it keeps the cows in good body condition.

The group agreed that the best strategies to follow will always be the ones built around the nutritional needs of the animal.

Here are their top five considerations for fall grazing plans:

Be open to trying new things and be sure to talk to others who've tried it.

Consider grazing on cover crops or winter an-

nuals.

Remove cattle from forages if you plan to stockpile cattle on them in the fall.

Determine the appropriate amounts and optimum timing for fertilizer applications.

Develop a strategy to minimize storage forage to maximize the grazing days.

To hear the full discussion about fall grazing plans, listen to the BCI *Cattle Chat* podcast.



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7 blk str	611@147.00	7 blk hfrs	618@141.00
8 bwf rwf str	658@147.00	12 blk hfrs	580@141.00
7 blk bwf str	707@144.00	9 blk red hfrs	591@139.00
66 blk bwf str	825@143.85	14 blk hfrs	713@139.00
10 blk str	738@143.50	12 blk red hfrs	620@138.00
17 blk bwf str	792@141.50	20 blk red hfrs	700@137.25
17 mix str	773@139.50	8 blk char hfrs	642@137.00
13 blk str	615@136.50	6 blk hfrs	733@136.75
10 blk red str	855@135.00	13 blk hfrs	607@135.75
7 red rwf str	720@132.50	5 blk hfrs	594@135.00
9 blk str	911@131.25	11 blk bwf hfrs	699@135.00
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El Dorado, KS 67042

Market Report - Sale Date 9-3-20. 646 Head.
300-400 lb steers, \$179-\$189; heifers, \$119-\$181; 400-500 lb. steers, \$166-\$169; heifers, \$143-\$167; 500-600 lb. steers, \$137-\$162; heifers, \$137.50-\$148; 600-700 lb. steers, \$109-\$155; heifers, \$108-\$136; 700-800 lb. steers, \$119-\$138; heifers, \$126.25-\$130; 800-900 lb. steers, \$125-\$138.25; heifers, \$113-\$126.50; 900-1000 lb. steers, \$115-\$130.25. **Trend on Calves:** Fully steady on better kind. **Trend on Feeder Cattle:** Mostly \$7-\$8 lower. **Butcher Cows:** high dressing cows \$65-\$71; Avg. dressing cows \$55-\$64; low dressing cows \$45.50-\$53. **Butcher Bulls:** Avg. to high dressing bulls \$87-\$95. **Trend on Cows & Bulls:** \$4-\$5 higher.

Some highlights include:

<p>HEIFERS</p> <ul style="list-style-type: none"> 5 blk 351@181.00 9 blk 424@167.00 8 blk 579@140.50 5 blk 678@128.00 15 mix 791@126.25 9 mix 829@126.50 7 mix 899@116.00 	<ul style="list-style-type: none"> 11 blk bulls 506@156.00 5 blk str 569@155.00 4 blk 618@155.00 7 blk calves 705@138.00 16 mix 803@133.75 21 mix 844@131.00 39 mix 858@132.50 20 mix 906@127.00 119 mix 931@128.50 69 mostly blk 933@130.50
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THURSDAY, SEPTEMBER 10, 2020
EXPECTING 800 HEAD

- 100 blk heifers, LTW, HR, 600-650lbs
- 50 mostly blk steers & heifers, LTW, 700-800lbs
- 50 blk steers & heifers, weaned, 700-800lbs
- 1 load mostly blk heifers, 775-800lbs
- 1 load mostly blk steers, 850-900lbs
- 3 loads mostly blk steers, off grass, 875-925lbs
- 80 mix steers & heifers, 650-700lbs

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

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

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

<p>Josh Mueller Owner/Manager (316) 680-9680</p> <p>Chris Locke (316) 320-1005 (H) (316) 322-0675 (M)</p>	<p>Steven Hamlin (602) 402-6008 (H) (620) 222-1199 (M)</p> <p>Van Schmidt, Fieldman (620) 367-2331 (H) (620) 345-6879 (M)</p>
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Cattle Sale Every Thursday 11:00 AM

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!

On Thursday September 3rd, we had a light run of cattle with mostly cows and bulls.

<p>STEERS</p> <ul style="list-style-type: none"> 2 blk 588@150.00 7 blkbwf 624@140.00 8 blkRd 783@139.00 	<p>BULLS</p> <ul style="list-style-type: none"> 4 blkRd 591@130.00
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Butcher Cows: \$47-\$74.50, mostly \$57-\$69. Steady & very active. Butcher Bulls: \$89-\$97.00, mostly \$92-\$94. Steady & very active. Preg Cows: \$825-\$940.

<p>BUTCHER COWS</p> <ul style="list-style-type: none"> 1 blk 1515@74.50 1 blk 1360@74.00 1 blk 1425@73.50 1 blk 1585@72.00 1 blk 1275@72.00 1 blk 1655@71.50 1 blk 1340@71.00 1 Red 1365@70.00 	<p>BUTCHER BULLS</p> <ul style="list-style-type: none"> 1 Char 1825@97.00 1 Bfmstr 1655@94.50 1 wf 1840@94.00 1 blk 1615@94.00 1 Red 1870@94.00 1 blk 1765@93.50 1 blk 2245@93.00
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EARLY CONSIGNMENTS FOR SEPT. 10

- 123 blk Red Char X strns, 850-950 lbs, off the grass.
- 105 blk Limo X str & hfrs, 400-650 lbs, weaned 45 days or more & dbl. vac.
- 65 blk Red str & hfrs, 550-750 lbs, off the cow.

EARLY CONSIGNMENTS FOR SEPT. 17

- 350 Fancy bk bwf & few rbf X str & hfrs, 700-950 lbs, home raised & longtime weaned & triple vac.
- 100 motly blk hfrs, 725-800 lbs, off the grass.
- 85 blk Char str & hfrs, 550-750 lbs, weaned & vac.
- 45 blk bwf str & hfrs, 400-500 lbs, long time weaned & dbl. vac.
- 60 blk str & hfrs, 450-650 lbs, vac. & off the cow.

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

Be safe and smart around silage this season

By Tracey Erickson, South Dakota State University Extension
Corn silage making season will soon be upon us. It is important to take the time to communicate with employees proper protocols while making silage, along with safe practices around silage piles or silos.

Tractor rollovers are a leading cause of accidents and deaths on farms. Due to the steep nature of the piles or the sheer walls that exist on bunkers extra precaution is needed when operating tractors while packing the silage pile. To help with the steep nature of silage piles the recommendation is to utilize a 1 to 3 slope

on ends and sides of drive over piles. Tractors should also be backed up to piles to help tractors from flipping over backwards on steep slopes. It is suggested to put lighting or rails above the walls on silage bunkers to provide an indication for the location of the edge of the wall. Next is the lack of employees utilizing the safety belt when operating the tractor which causes them to be thrown from the tractor potentially being crushed in a rollover. Tractors should also be equipped with R.O.P.S. (rollover-protective structures) which help provide a protective barrier around the person operating the equipment.

FALL PREVENTION
Falls are another source of injury or death around silage piles. It can occur when climbing up the silo, falling off the side of the bunker, or the face of a pile. Make sure all guard rails are properly installed on silo ladders and chutes are in good repair prior to accessing them. Workers need to utilize good practices when there is slippery conditions or wet weather. Care should be taken when removing tires and tarps covering the pile, making sure not to get too close to the edge and fall off. Other types of falls have occurred when employees have slipped out of the bucket of the pay loader trying to access the face of a pile.

entrapping people in the silage. Weak spots can occur between old crop and new crop silage if a pile is "added onto" causing silage to release and break away. Thus, extra caution should be used in these areas of piles. When accessing the pile always start at the top working your way down the face of the pile. Never dig into the pile with the loader from the bottom and work up. Utilizing a tractor or equipment that has a R.O.P.S. installed will also provide extra protection if an avalanche occurs and the cab is entrapped in silage.

tightly sealed and gases can concentrate under the tarps.
We also need to recognize that in addition to gases, sometimes there may be molds present. Some molds produce toxins such as aflatoxin, mycotoxin, endotoxin, etc., which can trigger asthma attacks or allergic reactions. Precautions such as dust masks or respirators are recommended also when handling moldy silage, anytime throughout the feed handling process.

2-DAY ESTATE ANTIQUE AUCTION

SATURDAY, SEPTEMBER 19 & SUNDAY, SEPTEMBER 20, 2020
LOCATION: Wallace County Fairgrounds, Event Center & CAB building, SHARON SPRINGS, KANSAS

Saturday, September 19, 9:00 CT/8:00 MT @ Event Center
ANTIQUÉ FURNITURE: 3-drawer wooden chest; sm. cast iron 2-burner stove; Pine kitchen cupboard; Oak 2-dr ice box; Oak kitchen cabinet; rnd. oak dining table; Garland round cast iron heating stove (nice); 2-drawer oak chest w/mirror; sev. oak parlor tables; (3) Oak wash stands; Oak 5-stack lawyers bookcase; lg. oak square heavy carved dining table, 7" w/6-oak pressed back dining chairs; pressed back arm chairs; sm. church pew; lg. oak wardrobe; Oak dropfront desk, different; lg. back bar cupboard, out of Cheyenne Wells, Co. drug store; (2) 3-dr ice boxes; oval library table; pressed back rocker; Oak kitchen cupboard; Oak post master desk; 3-drawer oak dressers; drop front desk w/bookcase; queen size high back bed w/matching 5-drawer dresser; lg. store spool cabinet out of a General Store; (2) 5-stack lawyers bookcases; narrow oak wardrobe; 2-drawer dresser w/high mirror; Oak drop front desk w/side hutch, round glass; Oak roll top desk; reg. size iron bed; (2) Oak claw & ball feet parlor tables; China hutch; Serpentine dresser w/mirror; sm. settee; Oak wardrobe; Pine cabinet; Burl walnut dresser w/marble top; dry sink; sev. oak rockers.
PRIMITIVE ITEMS: Model "T" wheels; wooden potato bin; rug beaters; sock stretchers; old sad irons; wash board collection, some unusual ones; Enamelware; Maytag oil cans; oil lamps; old wooden spice rack; old kitchen utensils; Bentwood butter churn; lots of tins; Biscuit tin; (3) wooden butter churns; Kraut cutters; wooden butter molds; coffee grinders; brass bucket; cast iron foot warmer; old wooden fire log box; old coal advertising picture; crock, jars, open crock, bowls, butter churns, pitchers; old shoe stool, wrought iron; Pine blanket chest; spool cabinet w/glass drawers; Victrola floor model; camel back trunk; (2) spinning wheels; Stereo scopes; sm. cast sausage press; rnd. wooden butter churn; (2) glass bottom butter

churns; cylinder phonograph w/horn, table model; old wooden tool box; wooden bread bowls; music cabinet.
TOYS: Child's toy wringer washing machines; child's cast iron kettle w/wringer; cast iron banks; cast iron toys; doll house w/furniture; wooden wagon; lots of metal & tin toys; train sets.
OTHER ANTIQUES: Old quilts; camel back trunk; music cabinet; Collection of German hand carved wooden cork bottle stops (nice collection); battery jar; old baritone; (2) Violins; Harmonica; salesman sample cast iron waffle iron; sm. cast iron skillet; salesman sample cast iron cook stove (one of a kind); (2) Regulator clocks; mantle clock; old wooden humidior (different).

Sunday - September 20, 10:00 CT/9:00 MT @ CAB building
GLASSWARE: Depression glass; Pyrex bowls; Jadeite bowls; sev. sets of china; Drug store glasses; white Carnival glass bowl; Carnival glass; sev. biscuit & cracker jars; pitcher collection; hat pin holder; sev. compotes; glass baskets; lots of glassware; Blue Delft items; Precious Moments figurines (lots); Hummel figurines; Monk figurines; pitcher & bowls.
OTHER ANTIQUE ITEMS: "Gone with the Wind" style lamps-kerosene & electric; beaded flapper dress; copper kettles, pots, coffee pots; lots of jewelry (some new); lots of knick knock items; figurines; sewing baskets; vintage sewing items; S&P shakers; Indian pottery; old advertising items; pewter mugs; silhouette pictures; ladies hats; brass items; Jewelry armoire; Paintings by Shelia; Indian head pennies; Walking Liberty half dollars; Sliver certificates; foreign money.
OTHER ITEMS: Tons of Holiday decorations; International sewing machine; sev. vacuum sweepers; lots of yard art; pictures & frames; lots of baskets; pots & pans; cooking items; sm. kitchen appliances; Very very large selection of Hobby Lobby items & craft items; *Many other items!*

Entanglement in silage making equipment unfortunately happens too often. Due to the extensive amount of moving parts including blades, knives, belts, chains, gears and PTO shafts it is extremely important to make sure all shields and safety guards are kept in place while operating equipment. This equipment is extremely large and can now chop twelve plus rows of corn at a time, thus, it is crucial to know where all employees are before starting the equipment and moving forward. Absolutely, do NOT let children play around this equipment.

PILE AVALANCHES
Silage pile avalanches are also another source of danger. People should never stand closer than three times the height of the feeding face of the pile to help eliminate potential entrapment in a silage avalanche. To help minimize this risk, silage piles should never be constructed higher than the defacing or unloading feeding equipment can reach the top of the pile. This prevents undercutting which creates a cornice on the top of the silage pile that can potentially collapse,

AUCTION FOR RALPH & MRYTLE OSWALD ESTATE

SATURDAY, SEPTEMBER 19, 2020 — 9:00 AM
AUCTION LOCATION: 627 Market Street — PORTIS, KS
FURNITURE: Bookcases; Bentwood rocker; Oak child chairs; child's Twig rockers; cedar chests; rnd. Oak table; Post Office sorting table; Post Office desk (Luray, KS); 2 school desks & more. **ANTIQUES-PRIMITIVES-COLLECTIBLES:** Model & Promotional cars; lots of adv. pcs.; Tootsie Toy cars; tin windup Wee Scottie Dog; Lincoln Logs & American Bricks; Louis Marx Walt Disney Train set; Majorette record player; Mattel Music Box Cowboy Ge-Tar; Dionne Quint scrapbook; Jewelry; Mandolin; kids books; Coca Cola adv. silhouette picture; 1964 Spiderman Collectors Series comics & lots more Comic Books; Dietz lanterns; Store Counter Cigar Lighter; Folk Guitar; board games; adv. matchbooks; Zenith, Motorola & Airline Bakelite radios; Dog Gone Guitar; Marionettes; Van Briggle vase; Pyrex; Fire King; Dryden; Black Amethyst; Sears Roebuck girl's bike; Coast King boy's bike; Vornado fan; lg. ammo boxes; Louis Lamour paperbacks; 45 rpm records; Marbles; ladies hats; Military items; Plymouth car emblem; political pins; Winston adv. ash tray; J&L Café adv. ashtray (Luray); Auburn Toy Tractors; blue/white Enamelware & others; Luray, KS adv. pcs.; Indianapolis Motor Speedway puzzle; old cameras; hand stitched quilt; Red Goose Egg Shoe bank; Playtime glass dishes in box; Sunburst alum. glasses; Dolls of All Nations; Pearl Harbor Silk; tin windup Lady Bug toy; old Coke tray; Pepsi, Dr. Pepper & Coke wooden pop crates; Dial tin toy typewriter; Auburn toy motorcycles; adv. Bullet pencils; Goodyear adv. tire ashtray; Old Shell reloading equip.; galv. washtub; old fishing reels in boxes; double washtub; old Maytag washer; Millerich & Bradsby Co. baseball bats; Pfeuffer reels; Hubley & Ford toy Tractors; Showcases; Cl Dog; Frazier Wood Carved duck, geese & others; Charles Russell calendar tops; oil painting by Van Ripper; miniature log cabins; glassware; G. Inness picture; quilt blocks; 4 qt. Dazey butter churn; Spectrum Guitar; Elvis records; 8 qt. butter churn; mini Anvil; Harold Ensley fish lures; Zebco 33 reel. **GUNS:** Nylon 66 Black w/White Diamonds & Nylon 66 Black w/Black Diamonds; old 22 shorts shells; 4 boxes of 550 short shells; 6 sm. boxes (old) of 22 shorts; 5 boxes of 7.62x39MM shells. **MISC.:** Yarn; Kitchen Aid mixer; tool box w/tools; Craftsman air comp.; cordless drills.

Please go to our website For Full Listing! www.woltersauctionandre.com
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GASES AND MOLDS
When first accessing silos, bunkers and piles be aware of toxic gases that are produced during the fermentation process. Silos typically have the highest risk of these gases being concentrated although they can occur in all types of silage fermentation. These gases include nitric oxide (NO), nitrogen dioxide (NO2) and nitrogen tetroxide (N2O4). These gases are toxic and often fatal when inhaled. Typically, the greatest concentration of these gases occurs during the fermentation process in the first 3 weeks after completion of filling the silo. Once a silo is opened for the first time run the silage blower for 20-30 minutes and wear a respirator before entering the confined space. Precaution should also be taken when opening bunkers or piles for the first time as they are also

INSIDE THE SILO
As producers enter a confined space the should be tethered to a rope or harness, which a person outside of the silo can use to pull the person out of a silo in emergency situations. The "lock-out-tag-out" system should be engaged so that the blower is not accidentally turned on by someone outside the silo if maintenance or repair is being performed inside the silo.
In Summary
Communicating and training all workers on proper safety protocols for handling and accessing silage is essential to minimize the risk of accidents. Additional access to proper safety equipment simultaneously, such as reflective vests, eye protection and breathing equipment when needed is equally important. Lead by example and do not be afraid to correct improper worker performance, if they are not following established safety protocols, you may save a life!

CFAP Round 2 could come soon

USDA Sec. Sonny Perdue told reporters recently that another round of the Coronavirus Food Assistance Program (CFAP) could be announced shortly after Labor Day. USDA said the second program will address the arbitrary cutoff date of April 15.
"Agricultural producers continue to be impacted by COVID-19, and USDA is working to assist our farmers and ranchers," a USDA spokesman said. "Our team will reflect on what worked well under the current CFAP and on the information and feedback we gathered as part of the process to make the next round even stronger and more effective for our producers."
USDA extended the original CFAP deadline from Aug. 31 to Sept. 11.



Sell At St. Marys
Sell Or Buy Cattle By Auction STARTING TIME 10:30 AM Tuesdays

Buyers & sellers are welcome in the ring area with social distancing being practiced. You can watch the live auction at www.dvauction.com. If you need assistance with watching or bidding online contact DV Auction customer service at 402-316-5460. Thank you for your cooperation. If you would like approval to bid online from the safety of your home, please do the approval process on www.dvauction.com prior to Tuesday.

We sold 1395 cattle September 1. There were some cancellations because of the rain Tuesday morning. Steer & heifer calves were in good demand at steady prices. Feeder steers and heifers sold steady to \$2.00 higher. Cows & bulls were steady to \$2.00 higher.

STEER & BULL CALVES			
5 blk str	477 @ 171.00	35 blk/bwf str	723 @ 142.00
1 blk bull	235 @ 169.00	21 blk/char str	801 @ 140.25
5 blk/bwf str	495 @ 166.00	5 x-bred str	755 @ 140.00
1 blk bull	410 @ 159.00	12 blk str	875 @ 138.50
3 blk str	545 @ 157.00	60 blk/bwf str	790 @ 138.00
5 blk/bwf str	547 @ 157.00	29 blk/bwf str	884 @ 137.25
3 blk/bwf str	523 @ 152.50	5 blk/bwf str	782 @ 135.00
		64 blk/char str	904 @ 135.00
		59 mix str	809 @ 134.10
STOCKER & FEEDER STEERS			
4 blk/bwf str	560 @ 156.00	23 blk/char str	865 @ 134.00
35 blk/red str	616 @ 154.50	8 blk/red str	783 @ 133.50
2 bwf str	585 @ 154.00	60 mix str	945 @ 129.00
8 x-bred str	586 @ 154.00	7 blk str	965 @ 129.00
3 blk str	617 @ 154.00	5 blk/bwf str	1017 @ 123.00
6 blk str	683 @ 152.50	4 blk/str	1213 @ 106.50
4 blk/char str	628 @ 151.50	HEIFER CALVES	
4 blk/bwf str	596 @ 147.50	1 blk hfr	395 @ 156.00
63 blk/bwf str	752 @ 147.25	1 blk hfr	380 @ 145.00
8 mix str	565 @ 145.00	7 blk hfr	503 @ 138.00
60 blk/wf str	782 @ 145.00	3 blk hfr	545 @ 134.00
126 blk/bwf str	872 @ 143.75	STOCKER & FEEDER HEIFERS	
55 blk/bwf str	806 @ 143.60	32 blk/bwf hfr	588 @ 145.25
117 blk/char str	844 @ 142.60	8 blk hfr	613 @ 143.50
5 blk/bwf str	768 @ 142.50	9 bwf hfr	579 @ 142.00

4 bwf hfr	611 @ 140.50	1 blk cow	1230 @ 59.00
2 blk hfr	563 @ 140.00	1 bwf cow	1400 @ 58.00
71 blk/bwf hfr	789 @ 136.60	1 blk cow	1165 @ 57.50
58 blk/bwf hfr	788 @ 136.25	1 blk cow	1065 @ 57.00
26 blk/bwf hfr	699 @ 135.00	1 blk cow	995 @ 56.00
6 x-bred hfr	700 @ 132.00	1 red cow	1195 @ 55.00
45 mix hfr	801 @ 130.75	BULLS	
39 mix hfr	757 @ 130.25	1 char bull	1760 @ 92.50
23 blk/char hfr	748 @ 129.75	1 brang bull	1465 @ 89.00
5 blk/red hfr	651 @ 127.50	1 blk bull	2000 @ 87.50
17 wf/bwf hfr	893 @ 116.50	1 blk bull	2050 @ 86.00
8 mix hfr	861 @ 111.00	1 red bull	1410 @ 85.50
4 wf hfr	1028 @ 108.00	1 blk bull	2000 @ 85.50
		1 wf bull	1960 @ 84.50
COWS		1 red bull	1425 @ 84.00
1 bwf cow	1925 @ 67.50	1 blk bull	1895 @ 83.50
1 blk cow	1535 @ 67.00	1 brang bull	1295 @ 82.50
1 bwf cow	1270 @ 66.50	1 red bull	1165 @ 82.00
1 blk cow	1595 @ 66.00	1 brang bull	1115 @ 81.50
1 red cow	1280 @ 65.50	1 blk bull	1905 @ 80.00
1 blk cow	1295 @ 63.50	1 brang bull	1190 @ 79.00
1 sim cow	1415 @ 62.00	1 red bull	1105 @ 76.50
1 blk cow	1100 @ 61.00	1 red bull	1190 @ 75.00
1 blk cow	1475 @ 60.00		

CONSIGNMENTS FOR SEPT. 15:
• 50 black steers & heifers, 500-600 lbs., vacc.
• 60 black steers, 725-750 lbs., off grass

CONSIGNMENTS FOR SEPT. 8:

- 100 Red Angus str & hfrs, 400-550 lbs., vacc.
- 34 bwf str & hfrs, 450-550 lbs., vaccinated
- 50 blk str & hfrs, 500-650 lbs., weaned, vacc.
- 120 blk str & hfrs, 60-700 lbs., weaned, vacc., off grass
- 50 SimAngus str & hfrs, 550-750 lbs., weaned, vacc.
- 90 blk str & hfrs, 650-750 lbs., off grass
- 80 blk steers & heifers, 700-750 lbs.
- 21 blk heifers, 725-750 lbs., off grass
- 40 blk heifers, 725-750 lbs., off grass
- 70 blk heifers, 750-800 lbs., off grass
- 120 blk heifers, 800-825 lbs., off grass
- 135 blk heifers, 800-825 lbs., off grass
- 65 black heifers, 775-800 lbs.
- 210 black steers, 850-900 lbs., off grass
- 85 blk str, 825-850 lbs., Northern origin, off grass
- 60 black steers, 875-900 lbs., off grass
- 65 black steers, 825-850 lbs., off grass
- 62 black steers, 825-850 lbs., off grass
- 60 black Charolais steers, 875-900 lbs., off grass
- 63 black steers, 850-900 lbs., off grass
- 61 black crossbred steers, 900-925 lbs.

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

FOR INFORMATION OR ESTIMATES:
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