

Nearly 17,000 dairy operations enrolled in Dairy Margin Coverage program

The U.S. Department of Agriculture (USDA) has announced that producers of nearly 17,000 dairy operations have signed up for the Dairy Margin Coverage (DMC) program since signup opened June 17. Producers interested in 2019 coverage must sign up before Sept. 20, 2019.

DMC offers protection to dairy producers when the difference between the all-milk price and the average feed cost (the margin) falls below a certain dollar amount selected by the producer.

"We're encouraged by the number of dairy producers who have signed up for this new program, but we are hopeful that we will get more folks in the door," said Bill Northey,

USDA's Under Secretary for Farm Production and Conservation. "At this point in the signup process, we are well ahead of the number of producers covered at this time last year under the previous safety net program, with more producers enrolling every day. As we move into the homestretch, we expect more producers across the country to get coverage through DMC and our team at FSA is really going above and beyond to make sure we get the word out there, the returns this year to-date should speak for themselves."

In June, when the DMC signup was announced, Secretary Perdue said, "For many smaller dairies, the choice is probably a no-brainer as the

retroactive coverage through January has already assured them that the 2019 payments will exceed the required premiums."

To date, more than 60 percent of dairies with established production histories have enrolled in the program. Wisconsin has seen the most participants with more than 4,832 dairy operations, followed by Minnesota (1,865), New York (1,779), Pennsylvania (1,511) and Michigan (702).

USDA's Farm Service

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Riley County 4-H'ers want to say THANKS for purchasing our Food and Livestock at the 2019 Riley County Fair Auction.

In last week's Grass & Grain ad Thanking Our Fair Supporters there was an error in regards to the owners of one of our great supporters. OUR APOLOGIES AND MANY THANKS TO:

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of Blue Rapids

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REAL ESTATE & CONTENTS AUCTION
611 S Missouri St, Kanopolis Sat, Sept 14, 10 am
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411 E Walnut, Salina Sun, Sept 15, 1 pm

CONSIGNMENT SALE
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When 71-year-old Kenny Livingston broke his leg before wheat harvest this year, his 11-year-old granddaughter Kaylee stepped up to run one of their 2388 combines for the first time without anyone else in the cab with her. "Kaylee volunteered to do this, she wasn't told to," said her father, Chad. "She would cut all day, then pitch two evenings a week on her softball team." Kaylee is also active in 4-H, mainly showing her cattle. "Really makes me proud," said Chad.



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With the large drop in the futures market on Friday, August 23rd, the cattle offered were still finding a good demand at unevenly steady prices. Cull cows and bulls sold steady to \$4 higher.

BULLS — 325-550 LBS

Wamego	5 blk	343@185.00
Wamego	5 Cross	393@181.00
Marion	4 blk	416@163.00
Wamego	8 blk	521@160.00
Marion	4 blk	541@157.50

STEERS — 575-950 LBS

Council Grove	7 blk	595@163.00
Alma	17 Cross	589@160.00
Randolph	5 blk	670@155.00
Leonardville	6 bwf	661@154.50
Council Grove	16 blk	750@152.00
Alma	24 Cross	660@150.00
Alma	6 blk	667@150.00
Grantville	8 blk	761@146.75
Leonardville	24 bwf	817@146.00
Alma	5 blk	703@146.00
Alma	24 blk	763@144.50
St. George	6 Cross	737@144.00
Randolph	17 blk	738@143.75
Alma	10 cross	796@140.50
Cttndw Falls	8 blk	791@139.00
Leawood	6 blk	819@135.00
Cttndw Falls	10 blk	882@131.50
Randolph	9 blk	929@131.00

HEIFER CALVES — 350-400 LBS

Wamego	4 blk	357@165.00
Wamego	4 Cross	388@152.00

HEIFERS — 550-925 LBS

Council Grove	4 blk	553@147.50
Randolph	6 blk	597@141.00
Alma	12 Cross	635@139.00
Randolph	18 blk	663@138.25
Council Grove	13 blk	683@137.50
Cttndw Falls	16 blk	747@134.00
Cttndw Falls	7 blk	675@132.75
Alma	9 blk	737@132.50
Randolph	10 blk	772@132.00
Alma	4 Cross	828@124.50
Seneca	43 cross	911@122.75

COWS & HEIFERETTES — 800-1,775 LBS

Alma	1 blk	1000@99.00
Grantville	1 blk	1085@96.00
Marion	1 Cross	815@87.00
Oskaloosa	1 blk	1755@73.00
Manhattan	1 Hols	1585@67.50
Council Grove	1 blk	1445@64.50
Alma	1 blk	1070@64.50
Alma	1 Cross	1305@64.00
Marion	1 blk	1140@59.00
Wamego	1 blk	1290@58.50
Alma	1 bwf	1190@56.00
Manhattan	1 Cross	1255@54.50

BULLS — 1,600-2,150 LBS

Burns	1 blk	2015@90.50
Goff	1 bwf	1965@90.50
Wamego	1 blk	2130@88.50
Council Grove	1 blk	1830@85.50
Blaine	1 Simm	2000@85.00
Olsburg	1 Rd Ang	1600@84.00
Wamego	1 Heref	1860@83.00
Alma	1 blk	1915@83.00

Junction City 1 Heref 1725@78.00 Wamego 1 blk @360.00
BABY CALVES Wamego 1 bwf @300.00
Wamego 2 blk @375.00 Wamego 1 blk @275.00

EARLY CONSIGNMENTS FOR AUG. 30



SELLING AT 11:00 AM:
• 55 blk bwf Fall calving cows, 3-6 yrs, bred to Angus & blk Simm bulls, several with new calves by side, balance Sept/Oct calvers.

• The following consignments come from the same owner. All are current on vaccinations & bull calves worked: 10 home raised OCV Red and blk Angus 1st calf 30 month hfrs w/ big Feb/March Red and blk Angus sired calves by side - hfrs bred back to blk Angus bulls for March calves; 10 home raised OCV Red and blk Angus 2 year old 1st calf hfrs w/ June calves by side, hfrs exposed back to red Angus bulls; 9 home raised OCV blk Angus cows 5-7 years old with big March Angus calves - cows are bred back to blk Simm bull for March calves; 10 home raised 2 year old Red and blk Angus OCV 1st calf hfrs bred to red and blk Angus bulls for Sept/Oct calves; 15 home raised OCV Red Angus & blk Angus 2nd calf hfrs 30 months old bred to red Angus bulls for Feb calves.

TO SELL IMMEDIATELY FOLLOWING:

- 7 Ang hfrs, 700-750 lbs.
- 11 blk str & hfrs, 650-750 lbs.
- 65 blk bwf feeder hfrs, off grass, 750-800 lbs.
- 85 choice blk str & hfrs, 2 complete rds shots, long weaned, off grass, 650-800 lbs.
- 21 choice Red Angus cross hfrs, 850-900 lbs.
- 58 choice Angus str & hfrs, 2 rds shots, long weaned, 550-700 lbs.

EARLY CONSIGNMENTS FOR SEPT. 6

• 39 choice Hereford Fall calving cows — all 5 years old. These cows are bred to Express Ranch Angus Conneally Consensus sons for a 40 day calving period starting Sept. 15 — These cows all originated off of the same ranch as hfr calves and were the top sort out of 97 cows.

Upcoming Special Stock Cow & Bred Heifer Sale Dates • Wednesday's starting at 11:00 AM

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Dorothy L. Koch
1941-2019

Dorothy Louise Dohrman Koch, Newton, KS, gained her eternal reward on Thursday, August 15, 2019. Dorothy was born February 23, 1941 in Delia, KS in her grandmother's bedroom. Though she was an only child, she never saw herself that way and, instead, liked to think she was blessed to be "everyone's child." She attended Catholic schools her entire life and it would be upon that foundation that she would build her life.

On December 31, 1961 Dorothy married Vern Koch and they began their life together where they were blessed with almost 58 years of marriage. Her family was her greatest joy and a source of immense pride. From an early age she taught her four daughters the value of hard work and to believe that they could do anything they wanted, if they simply put their mind to it. She and Vern owned and operated Newton Livestock, where they bought hogs for 40 years. She was also a partner and clerk for Auction Specialists in Newton and thoroughly enjoyed the thousands of people she met along the way, considering each one a friend. Dorothy was the woman behind the man, supporting Vern in all of his endeavors. Dorothy was a world-class pie maker, wedding cake baker, sugar Easter egg maker, and caterer extraordinaire feeding as many as 1,000 people in one meal. She was a perpetual student and traveled the world. She boasted being a skilled weighmaster, daily Mass attendee, and famous radio personality, giving the daily hog markets for more than 25 years. Dorothy single-handedly taught more kids to drive hogs and stick-shift, all in the same summer. She opened her home to anyone and everyone, whether they were Labo Exchange students, kids needing summer jobs, or just someone down on their luck. She had a gracious heart and loved people. She is survived by her husband, Vern; her four daughters, Rae Niles (Doug) of Sedgwick; Dana Knott (Terry) of Heston; Joy Gehrer (Kory) of Zimmerdale; and Jana McKinney (Kyle Headrick) of Zimmerdale; as well as her beloved grandchildren Abby and Mark Walker; Megan and Aaron Austin; Andy and Donna Niles; Morgan and Nathan Simmons; Garrett and Laura McKinney; Chance and Tayler Gehrer; Madi Gehrer; Wyatt McKinney; Ellie McKinney; and Kyle Rutschman; great-grandchildren Madden; Sam; Winston; Abel; Kade; Lin; Logan; Lance; twins, Coleman and Peyton; Elliott; and Baby Boy Gehrer; step brothers Gary Burgett, Terry Burgett, and Greg Burgett. She was preceded in death by her parents, Raphael J. Dohrman and Helen L. Dohrman Burgett; and son-in-law, Lance McKinney.

Mass of Christian Burial was held Monday, August 19, 2019 at Our Lady of Guadalupe Church in Newton with private burial at Eastlawn Cemetery, Zimmerdale, KS. Memorials to Our Lady of Guadalupe Church Food Pantry, or St. Jude's Children's Research Hospital can be sent c/o Petersen's Funeral Home, 215 N. Main St., Newton, KS 67114

Kansas Hay
Market Report

Hay market trade was slow to moderate, demand was moderate, and prices remained steady. The feeling is that the market should stay steady for a bit, as hay and feed supplies currently seem ample, although there is still a lot of hay moving out of state to the east. Rain continued in the east while the south-central region missed out again. According to the U.S. drought monitor, several inches of rain doused a broad area from eastern Kansas northwestward through South Dakota, western North Dakota, and the northern High Plains. Dryness and drought were confined to central and southern Kansas, east-central Nebraska, and northern North Dakota, where a small area of severe drought was introduced. In contrast to areas farther north, central and south-central Kansas recorded only 0.5 to locally 2.0 inches of rain since mid-July; The abnormally dry category is at 23 pct while moderate drought is at 1.42 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 steady; ground/delivered steady to 10.00 lower, movement moderate. Alfalfa: horse, premium small squares 225.00-235.00. Dairy 1.00-1.05/point RFV, Supreme 185.00-226.00, Premium 170.00-195.00, Good 160.00-170.00. Stock or Dry Cow 165.00-175.00. Fair/Good grinding alfalfa, 120.00-130.00. Ground and delivered locally to feedlots and dairies, 150.00-160.00.

Grass Hay: buffalo/bermuda mix small squares 6.50-7.50/bale, large rounds 65.00-75.00. Oat hay: large rounds, 115.00-125.00, rained on 80.00. Wheat straw: large rounds and large squares 65.00-75.00 delivered. The week of 8/11-8/17, 8,497T of grinding alfalfa and 1,250T of dairy alfalfa was reported bought/sold. The average paid by feedlots on August 1 for alfalfa ground and delivered was 171.35, down 7.69 from the previous month, usage was 597T/day, down 10% and total usage was 18,514.5T.

South Central Kansas

Dairy alfalfa steady to .05 lower, alfalfa pellets, ground/delivered steady, grinding alfalfa steady to 10.00 lower; movement slow to moderate. Alfalfa: horse, small squares 200.00-210.00. Dairy, 1.00-1.05/point RFV, Supreme 195.00-225.00, Premium 175.00-200.00, Good 165.00-175.00. Stock cow, 145.00-155.00. Fair/Good grinding alfalfa, 90.00-100.00. Ground and delivered locally to feedlots 135.00-150.00; Alfalfa pellets: Sun cured 15 pct protein 200.00-210.00, 17 pct protein 210.00-220.00, Dehydrated 17 pct 305.00-315.00; Teff hay, mid squares 135.00-145.00. Grass Hay: Bluestem, good small squares 7.00-8.00/bale. Brome, small squares 7.00-8.00/bale, large rounds 100.00-110.00, lesser quality 70.00-80.00. Oat hay, large rounds 70.00-85.00. Wheat Straw: small squares 5.50-6.50/bale, large rounds

2019 Kansas Water photo contest launched

Kansas is blessed with an abundance of great natural resources and Kansans are encouraged to capture the most vital of these: water. The Kansas Water Office (KWO) is accepting water photos to be featured at the 2019 Governor's Water Conference in November. The photos need to pertain to water or water use

in Kansas. Examples include all bodies of water, irrigation, agriculture, recreation and fun, or other water infrastructure.

Worthy entries will be selected for display at the 2019 Governor's Water Conference, scheduled for Nov. 7-8, 2019 in Wichita. Attendees at the conference will have the opportunity to vote for their favorite photo. The winning photo will earn feature photo at the 2019 Governor's Water Conference. It will also, along

40.00-60.00. The week of 8/11-8/17, 8,429T of grinding alfalfa and 1,308T of dairy alfalfa was reported bought/sold. The average paid by feedlots on August 1 for alfalfa ground and delivered was 149.20, down 14.20 from the previous month, usage was 261T/day, up 10% and total usage was 8,090.5T.

Southeast Kansas

Dairy alfalfa grinding alfalfa, ground/delivered, grass hay steady; movement slow to moderate. Alfalfa: horse or goat, 230.00-250.00. Dairy 1.00-1.10/point RFV. Stock cow 150.00-180.00. Fair/Good grinding alfalfa, 130.00-140.00. Ground and delivered, none reported; Grass hay: Bluestem, small squares 140.00-150.00, good, mid to large squares, 85.00-110.00, large rounds 80.00-100.00. Brome, good, small squares 125.00-135.00, mid to large squares 120.00-150.00, large rounds 90.00-100.00, lesser quality 75.00-85.00; Wheat Straw: mid and large squares 75.00-90.00, large rounds 55.00-65.00. The week of 8/11-8/17, 1,206T of grass hay was reported bought/sold.

Northwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: Horse or goat, 215.00-225.00. Dairy, Premium/Supreme 1.00-1.05/point RFV. Stock cow, fair/good 150.00-160.00. Fair/good grinding alfalfa, 105.00-115.00 with instances at 125.00-140.00. Ground and delivered locally to feedlots and dairies, 125.00-135.00.

North Central-Northeast Kansas

Dairy alfalfa, grass hay, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: horse, premium small squares 9.50-10.50/bale. Dairy 1.00-1.05/point RFV, Supreme 185.00-210.00, Premium 170.00-195.00, Good 160.00-170.00. Stock Cow, none reported. Fair/good, grinding alfalfa, 100.00-115.00. Ground and delivered 130.00-140.00. Grass hay: Bluestem, small squares 7.00-8.00/bale delivered, large squares 95.00-105.00. Brome, small squares 7.50-8.50/bale delivered, mid to large squares 120.00-150.00, large rounds 80.00-95.00; Wheat Straw: small squares 5.00-6.00/bale delivered, large squares 95.00-105.00 delivered, large rounds 50.00-60.00. The week of 8/11-8/17, 838T of grinding alfalfa and 350T of dairy alfalfa was reported bought/sold.

****Prices are dollars per ton and FOB unless otherwise noted. Dairy alfalfa prices are for mid and large squares unless otherwise noted. Horse hay is in small squares unless otherwise noted. Prices are from the most recent sales.*

*CWF Certified Weed Free

*RFV calculated using the Wis/Minn formula.

****TDN calculated using the Western formula. Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter (TDN showing both 100% & 90%). Guidelines are to be used with visual appearance and intent of sale (usage).*

Source: Kansas Department of Agriculture - Manhattan, Kansas, Kim Nettleton 785-564-6709. Posted to the Internet: www.ams.usda.gov/mnreports/DC_GR310.txt

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WELDING SHOP EQUIPMENT
AUCTION

THURSDAY, AUGUST 29, 2019 — 5:30 PM
2732 Rory Road — MANHATTAN, KANSAS

96 Ford F350 Dually 179K 5spd, Lincoln Ranger GXT port. welder/generator 532hrs, 2ton Plate dog, Gantry, 1/2" 24v DeWalt hammer drill, Milwaukee Hale Hog drill, 1/2 Dewalt hammer drill, spline drive hammer drill, DeWalt, Milwaukee porta band saw, 18v DeWalt drill, Airflow, F70 Air Cleaner, Slugger Mag press, 3/8 DeWalt Hammer Drill, 14" Dewalt chop saw, 14" Milwaukee metal chop saw, Milwaukee 20amp core drill w/vacuum base, 12", 10", 5" core bits, 10" Husqvarna bit (like new), Miller Vintage 200amp welder, Hobart 210 welder, Doerr air compressor, Hypertherm 600 Plasma cutter, Wilton disc & band sander, Lincoln square-wave 175 Tig & ACDC arc, Wilton 9" wet cold saw, 5C25 bottles, 2 cutting torches w/carts & bottles, 3 Co2 bottles, misc. hand tools, scrap & new iron, Edwards Jaws IV 55 ton iron worker 230volt w/shear, angle iron shear, brake & punch press, bolt bin, misc. welding leads & much more.

Auctioneer's Note: Rory is reducing some of his inventory at his shop. Good used equipment.

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TERMS: Cash or good check. 10% Buyers Premium on all sales. All items to be settled for at the conclusion of auction. Announcements made day of auction take precedence over previous printed materials. All items sold as is, where is. Not responsible for accidents.

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AUCTION



SUNDAY, SEPTEMBER 8, 2019 — 12:30 PM

Morris County 4-H Building, 612 US Hwy. 56 • COUNCIL GROVE, KANSAS

DIRECTIONS: 1 mile East of Council Grove on US Hwy. 56. WATCH FOR SIGNS.

COINS & JEWELRY

Sell at 12:30

Morgan silver dollars, 1900 S & two 1900 O; 1945 S & 1944 Walking Liberty half dollars; hundreds of Eisenhower and Presidential dollars; 2 Presidential Collection US dollar series Washington to Reagan; large selection of Kennedy half dollars inc. 1964; Mercury & Roosevelt silver dimes; Washington silver quarters; large selection of Jefferson nickels 1930's on; uncirculated 5 dollar bills; Diamond Aura Riviere necklace & bracelet set, very nice; several gold rings, 10K, 14K & 18K, 2 with diamond settings.

ANTIQUES & COLLECTIBLES
International Harvester mem-

orabilia 1930's-50's, annual reports, adv, parts, etc; McCormick Deering salesman sampler cream separator; 120+ uncirculated postcards from 1930's, religious, some cowboy, photo; vintage cans, jars & bottles; leather luggage; large selection of costume jewelry 1940's-1950's Plymouth mantle clock; kerosene & other vintage lamps; crock jugs; Coors, Hull & other pottery pcs; Indian pottery; Gleaners & other vintage prints; Sears Ted Williams air mattress set, in box; German pepper mill; several water colors; green S&P's & others; linens & fancywork; Crestwood china; various glassware; vintage Xmas decorations; shoe

shine kit, 1940's; 500 plus 33 records, 1940's-60's.

FURNITURE & MISC.

White galvanized double milk parlor sink; 2 metal lawn rockers; oak curved glass curio cabinet; walnut dressing table; walnut 2 drawer chest; painted school desk; walnut china hutch, 1960's; record cabinets; blonde oak cedar chest; Philco console tube type radio works; walnut dining table & 6 chairs; wing back chairs; 5 drawer pine chest; small bar; TV stand; Health Walker treadmill, new in box; Barbie electric car, needs work; muck cart, new; large roaster; various primitive tools; misc. tools; hand well pump; steel wheels.

MARY JANET DOUGLASS & ANOTHER SELLER

Auctioneer's Note: Mary's father was a sales manager for International Harvester in the 1930s-1950s. Some Nice Collectibles!



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Trump vows response to China tariffs on \$75B of U.S. goods

(AP) — President Donald Trump declared Friday that he had “hereby ordered” American companies with operations in China “to immediately start looking for” an alternative after Beijing announced a series of retaliatory tariffs.

But as markets in the U.S., Asia and Europe tumbled, the White House offered no further details or explanation of Trump’s intentions.

Instead, the president tweeted that he would be “responding to China’s tariffs this afternoon.”

“This is a GREAT opportunity for the United States” he wrote.

The U.S. has said it plans to impose 10% tariffs on \$300 billion of Chinese goods in two steps, on Sept. 1 and Dec. 15. China responded Friday with new tariffs on \$75 billion of U.S. products in retaliation, including pork, beef, chicken, whiskey, coffee and crude oil, deepening a conflict over trade and technology that threatens to tip a weakening global economy into recession. The tariffs on soybean imports will be raised to 30%, which is a five percent

K-State agricultural economists study benefits, challenges of animal traceability

A pair of agricultural economists at Kansas State University are reporting findings of a study on animal traceability systems, indicating that the industry is still searching for the sweet spot between tracking animals and making that profitable for producers.

“When we think about traceability, program designers with the U.S. Department of Agriculture are concerned about decreasing our response time to diseases and preventing losses, but those in the cattle industry are concerned about making money,” said James Mitchell, a doctoral student in K-State’s Department of Agricultural Economics.

“So you have this conflicting story of trying to make an effective traceability program but also trying to incentivize people to use this program, because for animal traceability to be effective, you need high enrollment of animals and producers.”

Mitchell, along with agricultural economists Glynn Tonsor (K-State) and Lee Schulz (Iowa State), have surveyed producers to further understand what it would take to increase their participation in public or private traceability programs.

“We looked at what kind of premium a cow-calf producer is going to need to adopt this kind of program,” Mitchell said. “And is that premium even feasible for a feedlot to pay to receive cattle with that

increase from the current rate.

China also will increase import duties on U.S.-made autos and auto parts, the Finance Ministry announced. Tariffs of 10% and 5% will take effect on two batches of goods on Sept. 1 and Dec. 15, the ministry said in a statement. It gave no details of what goods would be affected but the timing matches Trump’s planned duty hikes.

Washington is pressing Beijing to narrow its trade surplus and roll back plans for government-led creation of global competitors in robotics, electric cars and other technology industries.

On Friday, Trump tweeted, “Our great American companies are hereby ordered to immediately start looking for an alternative to China, including bringing... your companies HOME and making your products in the USA. I will be responding to China’s tariffs this afternoon.”

The White House did not immediately respond to questions about what authority the president believes he has to order private companies to change their business practices. And it remained unclear

same form of traceability?”

Other studies have established that cost is central to the success of a traceability program, but Tonsor notes the benefits to producers are less certain.

“For some producers, there are some clear managerial or marketing benefits,” he said. “There is some probability that we will have an animal health event (at some point) that we need that info on and so forth, but in general, the benefit of these systems are less known and certain than the costs.

“Therefore it shouldn’t be surprising that the cost of participating has a bigger marginal impact on participating than what we present as benefits, which are higher cattle prices.”

Mitchell said sellers will be more sensitive to the cost of implementing a system, while livestock buyers are more sen-

sitive to how much more they will have to pay to receive animals with some form of traceability.

“When we think about sellers, that’s not entirely surprising because the cost of implementing a traceability program is more than the physical cost of purchasing a tag and implementing a tag,” he said. “That could include changes in how you manage animals, or changes in your record-keeping system, or how you process animals. Cost is a very important aspect for those who are making that first adoption decision.”

“For buyers, procuring cattle with traceability is the direct cost of participating. Of course, there are other costs for buyers, such as replacing missing tags when animals arrive at the feedlot, that were not directly considered in this study.”

waterers; 2 large concrete yard art swans; 16+ mostly Ertl toy tractors; selection of vintage & modern toys; antique Paramont stove top washer; 3 wall kerosene lamps; glass minnow trap; dozens of figurines; 20+ glass kerosene lamps; 15+ kerosene barn & RR lanterns; salt & pepper & decanter collections.

AUCTION

SUNDAY, SEPTEMBER 8, 2019 — 10:00 AM
2080 US Hwy. 59 — OTTAWA, KANSAS
(From South side of Ottawa Jct. Hwy. 59 & I-35, 3 mi. South)

24 Guns selling first; good selection of ammo & fishing; assortment of silver coins; Tony Lama State belt buckles; Daisy No. 20 churn; 20+ vintage ladies hats; 50+ Jewel Tea pieces; 800+ marbles; 4 vintage counter balance scales; 14+ china or glass baskets; 10+ nice Aladdin lamps; 10+ quart glass chicken

waterers; 2 large concrete yard art swans; 16+ mostly Ertl toy tractors; selection of vintage & modern toys; antique Paramont stove top washer; 3 wall kerosene lamps; glass minnow trap; dozens of figurines; 20+ glass kerosene lamps; 15+ kerosene barn & RR lanterns; salt & pepper & decanter collections.

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Ramona, 1 blk	1175 \$89.00	Marion, 15 blk	453 \$196.00
Herington, 1 red	1310 \$71.00	Florence, 11 mix	447 \$194.50
Marion, 1 blk	1600 \$70.50	Marion, 55 blk	534 \$178.50
Herington, 1 blk	1450 \$70.00	Cncl Grve, 7 blk	524 \$171.00
Herington, 1 rwf	1330 \$70.00	Marion, 15 blk	651 \$150.00
Marion, 1 blk	1665 \$70.00	Ramona, 5 blk	682 \$145.50
Herington, 1 blk	1395 \$69.50	Florence, 9 blk	709 \$143.50
BULLS		Ramona, 63 mix	813 \$143.25
Tampa, 1 blk	2,220 \$85.50	Marion, 30 blk	810 \$143.00
Marion, 1 blk	1,165 \$72.50	Ramona, 35 red	819 \$141.50
		Ramona, 5 blk	754 \$140.50
		Hope, 62 blk	914 \$136.85
		Hope, 63 mix	890 \$136.75
		Hope, 61 mix	917 \$136.35
		Florence, 5 blk	827 \$135.00
		Lincolnvill, 56 mix	915 \$134.10
		Herington, 54 mix	906 \$133.85
		HEIFERS	
		Florence, 14 mix	443 \$145.00
		Ramona, 4 blk	650 \$135.00
		Marion, 36 blk	752 \$135.00
		Hope, 61 blk	836 \$130.85
		Florence, 9 blk	753 \$129.00

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- 45 blk hfrs home raised, all shots, 30 days weaned, 400-600#
- 20 blk str/ hfrs home raised, all shots, weaned, 700-800#
- 14 blk/ red strs home raised, 1rd shots, long time weaned, 750#
- 25 blk str/ hfrs, home raised, 1rd shots, long time weaned, 600-750#
- 65 mostly blk hfrs, 825#
- 63 mostly blk hfrs, 825#

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ket-opening commitments and are based on stealing or pressuring foreign companies to hand over technology. Some American officials worry they might erode U.S. industrial leadership.

Chinese leaders have offered to alter details but are resisting giving up a development strategy they see as a path to prosperity and global influence.

The talks are deadlocked over how to enforce any deal. China insists Trump’s punitive tariffs have to be lifted as soon as an agreement takes effect. Washington says at least some have to stay to ensure Beijing carries out any promises it makes.

Trump announced plans to raise tariffs Sept. 1 on \$300 billion of Chinese products after talks broke down in May. Increases on some goods were postponed to Dec. 15.

Trump escalated “trade frictions” and is “seriously threatening the multilateral trading system,” China’s Finance Ministry said. “China was forced to take counter-measures.”

A separate statement said The economists evaluated systems that varied in how they would be managed including those fully managed by the federal government; fully managed by private entities; or some combination of the two.

“We do not anticipate that producers, whether they are a cow-calf or feeder-cattle seller, or a feeder-cattle buyer, are going to view those the same,” Tonsor said. “Some have strong preferences toward a strong role for private industry, or maybe a partnership or whatever.”

He adds that for some producers, there may be a tradeoff between higher-cost traceability systems and getting the managing entity that they are most comfortable with.

“Those are the cool kind of tradeoffs that we’re trying to



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tariffs of 25% and 5% would be imposed on U.S.-made autos and auto parts on Dec. 15. Beijing announced that increase last year but suspended it after Trump and his Chinese counterpart, President Xi Jinping, agreed at a meeting in December in Argentina to put off further trade action while they negotiated.

Trump and Xi agreed in June to resume negotiations. But talks in Shanghai in July ended with no indication of progress. Negotiators talked by phone this month and are due to meet again in Washington next month.

BMW, Tesla, Ford and Mercedes Benz are likely to be the hardest hit by the Chinese auto tariffs. In 2018, BMW exported about 87,000 luxury SUVs to China from a plant near Spartanburg, S.C. It exports more vehicles to China than any other U.S. auto plant.

Together, Ford, BMW, Mercedes and others exported about 164,000 vehicles to China from the U.S. in 2018, according to the Center for Automotive Research, a think tank in Ann Arbor, Michigan. Most of them are luxury cars

get at here to better inform the likelihood of voluntary participation in traceability markets going forward,” he said.

The study was funded by a grant from the U.S. Department of Agriculture. The full results will be published soon as part of Mitchell’s work toward a doctoral degree at K-State.

LAND AUCTION

MONDAY, SEPTEMBER 30, 2019 — 7:00 PM

AUCTION LOCATION: Onsite. WATCH for SIGNS! ZEANDALE, KANSAS
****Call Bill in case of inclement weather****

DESCRIPTION:
This productive 34.5± acre farmground parcel sets at the corner of Zeandale and Tabor Valley Roads in Riley County. It is adjacent to the Zeandale Community Center on two sides as well.



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ANDREW SYLVESTER, Auctioneer, 785-456-4352
TERRI HOLLENBECK, Broker/Owner, 785-223-2947

JAMES TULL ESTATE AUCTION

SATURDAY, SEPTEMBER 7, 2019 — 9:30 AM

5791 Hunters Landing — ATCHISON, KANSAS 66002
From Atchison take US 73 Highway South 2 miles to 262nd Road, turn left 2 tenths of a mile to auction. WATCH FOR HOFFMAN AUCTION SIGNS!

CARS: 2017 Buick Regal turbo premium II, 2G4GR5GX789153850, 4-dr, leather, loaded, 5500 act. miles, super nice, one owner (same as new); 1999 Lincoln Town Car, 4 dr, loaded, 77,449 miles, nice car.

CONSTRUCTION EQUIP.: Komatsu D57S Track loader-power shift, Komatsu engine w/ low hrs, motor rebuilt by Komatsu, new radiator, tracks & rails very nice, serial #08657; New Holland EC215 Excavator 3500 hrs. Good condition, serial #721742; John Deere 570A Grader, articulated, all hyd, rebuilt trans, 100 hrs, serial #058472; John Deere 410E Turbo 4X4 backhoe w/extend a hoe, AC, stereo, 12.5/80x18 front tires, 21LX24 rear tires, low hours, nice; Lee-Boy asphalt paver elite w/lazer, truck hitch, push a semi, 1479 hrs., clean & very good; Ingersoll-Rand DD-24 Rolling Packer; Essick Asphalt Finish Roller, Wisconsin V4 engine; Bobcat Asphalt grinder w/14" drum, diamond teeth; KM 4000 Asphalt hot box reclaim, serial #C99792; Km asphalt hot box reclaim; Sheep foot 4' pull type; Backhoe buckets; Bobcat LA Bounty MB5560 Breaker; Bobcat breaker; 1-ton Wrecking ball; Lincoln Ranger 8 port. welder, propane, AC/DC w/Kohler engine; walk behind packer.

TRACTORS, LAWN & GARDEN: New Holland TC 55DA Tractor w/18LA Loader, 4WD, 12-sp trans, 3-pt hitch, dual hyd. outlets, fluids in tires, dual rear wheel wts, 1602 hrs.; Ford 2910

D 3pt Roll guard w/Ford 7209 loader joystick; JD 5' 3pt brush cutter; 6' rear blade; Woods 6' rotary mower 3pt.; Grasshopper 223 Mid Mower, lawn mower, 900 hrs; Case 222 Lawn tractor; 2 push mowers; Troybilt tiller; old wheel horse lawn tractor; old wheel horse lawn tractor New Holland TC 55DA Tractor w/18LA Loader, 4WD, 12-sp trans, 3-pt hitch, dual hyd. outlets, fluids in tires, dual rear wheel wts, 1602 hrs.; Ford 2910 D 3pt Roll guard w/Ford 7209 loader joystick; JD 5' 3pt brush cutter; 6' rear blade; Woods 6' rotary mower 3pt.; Grasshopper 223 Mid Mower, lawn mower, 900 hrs; Case 222 Lawn tractor; 2 push mowers; Troybilt tiller.

TRUCKS & TRAILERS: 1995 Ford F350 XL, 7.3 Turbo diesel engine, AT, flatbed, dual wheels, & chrome wheels, like new tires, super nice truck; 1995 Ford F series truck, Cummins 5.9 diesel engine, 6 spd trans, 20' flatbed, 198,226 miles; Red 987 Marmon dump truck, L10 Cummins engine, 10 sp trans, Heil bed; 1955 Chevrolet 3600 1 ½ ton truck, 6 cyl. engine, 4 spd.; 1978 Chevrolet LUV 4x4 Pickup, need engine work; 2000 Corn Pro 5th wheel trailer, flatbed, 10,000 lb axles; another dump truck for salvage & other salvage items.

TOOLS: Log chain; bench top drill press; lg. pipe wrench; car pumps; pancake air compressor; pressure washer; lots of truck parts; battery charger; RR jacks; air bubble; Stihl MS 170 chainsaw; Poulan P3416 chain

saw; elec. air compressor; circular saw; hand tools; tool boxes- Craftsman & Mac; lot of sockets, open end wrenches, big & small; floor jack; bolt bins; chain picker engine hoist; propane heater & tanks; lg. shop fans; trans. jack; lg. vise; bench grinder; elec. organ; Dewalt chop saws; gas powered generator; ext. ladder; **Much more not listed!**

HOUSEHOLD ITEMS: Wooden chairs; microwave; single wooden bed; entry table, very nice; china hutch, very nice; lg. table & chairs, nice; lg. TV & entertainment center; wing back chair; wooden glider rocker; elec. organ; Grandfather clock; 3 queen size bedroom set; washer & dryer set; divan & chair; rd. dropleaf table; wooden table & 4 chairs; bookcase; vacuum sweeper; lots of figurines; elec. fans; elec. lamps; Christmas décor; file cabinet; wall pictures; hot plate; pots & pans; bowls & dishes.

ANTIQUE: Fancy end table; nice desk; old cast iron heat stove; old T tube type radio; mantle clock; silverware set, hall tree; Lawyers bookcase, 5 stacks; bird cage.

GUNS: Savage 270 Bolt action w/scope; Marlin model 60W — 22LR; Marlin 336 — 30/30; Remington 788 — 308 bolt action; Browning 12 ga.; Remington 1100 — 20 ga.; Winchester 1400 — 20 ga.; Ruger 38 LCR; Colt 22 Auto, old & rough; US Revolver, old & rough; 177 Pellet gun; 4 other BB guns.

MISC.: 16' Van box storage unit (to be moved); Windmill tower to be moved; Livestock shed to be moved.

Auctioneer's Note: The late Mr. Tull has been in the construction and asphalt business for many years. Lots of good, usable equipment, trucks & automobiles will be offered at this auction! Come expecting to find many items not listed! We will be running 2 rings most of the day. Starting with household in ring one & misc., tools in ring two. All items sell to the highest bidder. Concessions by Black Belt BBQ.

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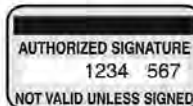
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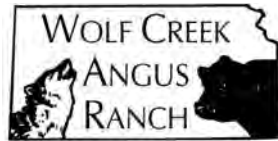
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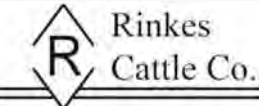
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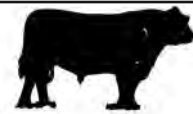
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1990 JD 853A rowhead.....\$10,500

JD 635 flex draper.....\$43,000

JD 630 flexhead.....CALL

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JD 635D draper.....\$21,000

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Biodiesel on the ropes after EPA punches, but support leaves soy hopeful

It's a federal program designed to increase markets for American farmers, decrease U.S. dependency on foreign oil, and curb the carbon footprint through reduced emissions. Yet, the Renewable Fuel Standard (RFS) is again taking hits this year from the Environmental Protection Agency (EPA) in the form of small refinery waivers and flat biomass-based diesel and advanced biofuels volumes for 2020/2021 that, in effect, send the industry staggering backwards.

"These decisions are a one-two punch for the biofuel industry, and bottom line, farmers. But, we are heartened by the support we are getting from USDA and members of Congress, including Senator Grassley and many others speaking up and fighting for the RFS. They understand the value not just for biodiesel produc-

Preparing sheep and goats for breeding season

By Adaven Scronce, Diversified Agriculture and Natural Resource Agent, Wildcat Extension District

Fall is quickly approaching and with fall comes breeding season for sheep and goats. August is a good time to start making plans for breeding season, if you have not done so already, and to evaluate your does and ewes to make sure they are in good condition before breeding. Does and ewes that have good body condition are more likely to be bred and successfully have lambs or kids in the spring.

The body condition score of does and ewes should be evaluated before breeding season. Body condition refers to the fleshiness of an animal. To know the body condition score of a doe or ewe producers should feel over the ribs and on either side of the spine by pressing down with their fingers to determine the amount of fat cover a goat or sheep has. After feeling the amount of fat cover a body condition score can be given.

The math is in: soil health practices produce real return on investment

By Dr. Michelle Perez, water initiative director, American Farmland Trust

Our nation's farmers and ranchers care deeply about the land. They want to use practices that improve soil health and protect water quality like no-till or strip till, cover crops, and nutrient management.

But, farming is a business like any other. If the numbers don't add up, it's hard to make improvements that are good for the environment. Farming is a particularly challenging business in 2019 and investing in new things can often seem too risky when you are hanging on by a thin margin.

That's why I'm so excited about the release of new American Farmland Trust research that proves soil health benefits go right to farmers' bottom line. Last week, AFT and the USDA Natural Resource Conservation Service, or NRCS, released four two-page case studies that show healthier soil on farmland brings economic benefits to farmers and environmental benefits to both farmers and society.

With support from a competitive NRCS Conservation Innovation Grant, AFT staff interviewed four "soil health successful" farmers about the costs and benefits they attribute to their soil health practices. Featured are two corn-soybean farmers from Illinois and Ohio; a farmer with diversified crop rotation from New York; and an almond grower from California whose soil health practices included conservation cover, mulching, and nutrient management techniques like fertigation and compost application.

The case studies quantify key economic factors like increased crop yields, decreased input costs, and increases in annual net income experienced by the four farmers who have invested in practices that build soil health. The economic results are impressive:

Increased crop yields: All four farmers saw increased crop yields averaging 12%, ranging from 2% to 22%

Increased profits: The three crop farmers saw an average increase in net income of \$42 per acre per year and the almond grower's net income increased on average \$657 per acre per year

Significant Return on Investment (ROI): ROI for all four farmers averaged 176%, ranging from 35% to 343%

The farmers also report their soil health practices helped them solve erosion problems on their fields. To model the water quality and climate outcomes from soil

ers and soybean farmers, but rural economies, the environment, and U.S. consumers," said Rob Shaffer, American Soybean Association (ASA) director and chair of the organization's Biodiesel and Infrastructure Committee.

Immediately following EPA's decision to allow 31 additional small refinery exemptions, one of the largest biodiesel producers in the country announced the shutdown of three plants located in Pennsylvania, Georgia, and Mississippi. Other large producers have announced closings and laid off workers, with more closings and layoffs likely if these policies remain unstable.

Shaffer continued, "We may be reeling, but we are not KO'd. Congress can enact an extension of the biodiesel tax credit, and the administration can still get the RFS back on stable footing.

the number of open does and ewes.

While it can be easy to focus on the does and ewes, it is important to remember the bucks and rams as well. Bucks and rams should also be examined prior to breeding season. Their body condition should be determined the same way it is for does and ewes. Prior to breeding bucks and rams should have a body condition score of 3 to 3.5. If bucks and rams are too thin during breeding season they will have decreased stamina. However, if rams and bucks are over-conditioned they may lack the vigor needed to breed large numbers of does and ewes. If rams and bucks are over- or under-conditioned it can result in fewer females being bred and settling during the first heat cycle, which can lead to a longer lambing/kidding season in the spring. If rams and bucks are too thin they should be given supplemental feed starting roughly a month before breeding season to increase their body con-

dition and ensure they are in good physical shape.

In addition to evaluating the body condition of males and females before breeding season, it is also important to check them for internal parasites and check their hooves. When determining the body condition of the animal, it is also a good time to check their FAMANCHA score and/or take a fecal sample to do a fecal egg count to determine if the animal needs to be dewormed before breeding season. Males and females that have a FAMANCHA score higher than three and/or have a high fecal egg count should be dewormed prior to breeding. If you plan on flushing your does or ewes, they should be dewormed prior to flushing. Does and ewes that are wormy will not increase in body condition from flushing and due to this their ovulation rate may not increase. This can increase the likelihood of does and ewes that are wormy to not breed at all or conceive and then later abort.

equipment dealers, ag retailers, etc.) will use these case studies to help their clients better understand the benefits and costs of adopting soil health practices.

Stay tuned, four more case

studies from these same states will be released in late 2019/early 2020. Visit www.farmland.org/soilhealthcasestudies or sign-up for email updates from AFT for the latest on soil health and more.

AUCTION

SATURDAY, SEPTEMBER 7, 2019 — 10:00 AM

Offering for sale at Public Auction, located at 2970 26th Ave., GYPSUM, KS; from Roxbury, KS 3 miles North, 1 mile West & 3/4 mile North.

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AUCTION

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400-500#	\$161.00-\$144.00
500-600#	\$150.00-\$136.75
600-700#	\$147.75-\$135.00
700-800#	\$136.75-\$121.00
800-900#	\$132.00-\$119.00

HEIFERS

300-400#	\$168.00-\$159.00
400-500#	\$161.00-\$144.00
500-600#	\$150.00-\$136.75
600-700#	\$147.75-\$135.00
700-800#	\$136.75-\$121.00
800-900#	\$132.00-\$119.00

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Market Report for 8-22-2019.

450 HEAD SOLD

HFRETTES:

1048#-830# \$111.50-\$96.00

COWS-HIGH YIELDING

2050#-1290# \$76.50-\$61.00

COWS-LGT WT & LOW YIELDING

1995#-880# \$60.00-\$34.00

BULLS:

2280#-1240# \$88.00-\$77.00

MARSHALL COUNTY FAIR 2019



Wes Denton showed the grand champion steer.



Sarah Turnbull exhibited the reserve champion steer.



The champion breeding heifer was shown by Rylie Meinhardt.



Chloe Voet exhibited the reserve champion breeding beef at the Marshall County Fair.



Tate Michaelis led the champion sheep.



Leading the reserve champion sheep was Connor Lee.



David Lee showed the champion breeding lamb.



Jodee Borgerding drove the champion pig.



The reserve champion pig was driven by Alex White.



Rylie Borgerding exhibited the champion breeding gilt.



Reserve champion breeding swine was earned by the entry shown by Hayden Vering.



Angela Prebyl showed the champion breeding goat.

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MARSHALL COUNTY FAIR 2019



Jade Rumbo led the reserve champion breeding goat.



Dakota Gillig showed the champion goat.



Jillian Borgerding led the reserve champion market goat.



The champion mare at the Marshall County Fair was shown by Kinze Wessel.



The champion gelding was shown by Anna Cohorst.



The reserve champion gelding was shown by Kinsley Gillig.



Earning champion young bird was the entry shown by Lizzy Swearingen.



The reserve champion young bird was shown by Bristol Swearingen.



Jaron Knowls showed the champion old bird at the Marshall County Fair.



The reserve champion old bird was shown by Shaylee Vering.



The champion pen of poultry was exhibited by Hayden Vering.



Exhibiting the champion rabbit was Jaron Knowles.



The reserve champion rabbit was shown by Harmon Conti.

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MARSHALL COUNTY 4-H WOULD LIKE TO THANK ALL SUPPORTERS AND BUYERS!

Page 22 Grass & Grain, August 27, 2019

by Ernie Rodina

Being involved with Better Horses Media for over 20 years I have had the privilege to work with some of the best horsemen, both men and women. My plans are to share with you a couple times a month the horse sense that makes these folks great horsemen. This first tip is from a great friend and horseman, Bill Walton. Bill is from the Olathe area and has taken Working Equitation to another level. You can get in touch with Bill via phone at 816-223-3469 or

email him at bar64fly@hotmail.com.

Absorb the knowledge & Ride For The Brand!

Walton Wisdom Tip

Longeing a horse correctly is more difficult than riding one correctly.

When riding on a circle, the horse should be bent around the inside leg while carrying their head softly to the inside of the circle.

When riding you have the aids of the seat and leg, and the rider's hands to assist those

aids to create bend on the circle.

When longeing on a circle, the horse should be carrying itself the same way.

Unfortunately, when longeing you have your hand aid, but you do not have your seat or leg aids to create the correct bend. However, it can be accomplished by using a lateral movement (leg yield).

When the horse looks to the outside, softly pull on the longe line to bring the nose to the inside and step towards the horse asking it to move its whole body away from you while keeping the nose to the inside.

Remember horses are creatures of habit. If you allow your horse to move their rib to the inside of the circle and their nose to the outside of the circle when Longeing, you are not only creating a unbalanced horse, but it will also be very confusing to the horse, if you expect the opposite when you ride.

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FEEDS

Joseph Ebert, VP/GM

JC LIVESTOCK SALES INC.

Wednesday Sale, Hogs NOON • Cattle 12:30 PM

Report from August 21, 2019

STEERS				
8	469	183.50	5	688 134.00
7	570	174.00	2	805 127.50
4	604	166.00	3	757 120.50
12	652	160.50		
5	663	146.50		
5	817	143.50		
4	794	141.00		
5	939	130.25		
12	1026	129.35		
HEIFERS				
5	517	153.25		
5	564	146.75		
2	748	138.50		
3	668	136.50		

TOP BUTCHER COW:

\$72.00 @ 1,515 lbs.

TOP BUTCHER BULL:

\$91.25 @ 1,925 lbs.

BRED COWS SOLD FROM:

\$950-\$1,725.00

PAIRS SOLD FROM:

\$1,725.00

WEDNESDAY, AUGUST 28:

70 Ang X strs & hfrs..... 800-850 lbs, weaned
45 Ang X strs & hfrs..... 600-725 lbs
35 Ang X strs & hfrs..... 500-650 lbs
23 Ang X strs & hfrs..... 650-800 lbs

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LYNN LANGVARDT
Cell: 785-761-5813



CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

Report from August 20, 2019

COWS:			HEIFERS:		
1	1540	71.50	5	712	136.00
1	1665	71.50	4	740	135.00
2	1540	71.00	1	870	125.00
1	1285	69.50	6	912	122.50
2	1445	69.00			
1	1280	64.00			
1	1125	61.50			
1	1330	61.00			

LOWER YLDG COWS:

\$52.00-58.50

SHELLY COWS:

\$39.00-49.00

**NO SALE TUESDAY,
SEPTEMBER 3rd DUE TO LABOR
DAY HOLIDAY**

**NEXT SHEEP & GOAT SALE:
Saturday, September 7th**

**SPECIAL ANNIVERSARY SALE
Tuesday, September 10th**

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Clay Center Field Representatives:

Tom Koch, 785-243-5124

Lance Lagasse, 785-262-1185

CattleTrace program to hold informational meeting

On Tuesday, September 3 at 6:30 p.m., the collaborators of the CattleTrace Pilot Project for animal disease traceability and K-State Research and Extension will be hosting an information session at Manhattan Commission Co. (8424 U.S. Hwy. 24) in Manhattan, with a project update and details of how cow-calf producers and backgrounder operators can get involved.

In early 2018, the CattleTrace collaborators began working to develop a purpose-built infrastructure to track cattle movement through the supply chain. CattleTrace is utilizing ultra-high frequency technology to collect the minimal

KDA announces Kansas Sediment and Nutrient Reduction Initiative

The Kansas Department of Agriculture Division of Conservation announces the expansion of the Kansas Sediment and Nutrient Reduction Initiative. This initiative will provide a onetime incentive payment for Conservation Reserve Program (CRP) contracts for the following practices:

Grassed waterways, Shallow water areas for wildlife, Filter strips, Riparian buffers, Wetland restorations, Improvements to farmable wetland and farmable wetland buffers

The 2018 Kansas Legislative Session allocated \$281,312 to the Division of

necessary data, including an individual animal identification number, a GPS location (of the readers), and date and time, in order to track animals in the event of a disease outbreak. Tag readers are located at partner livestock markets, including Manhattan Commission Co., feed yards and beef processors, with movement data collection having started in fall 2018 and continuing through at least summer 2020.

To learn more, please join CattleTrace and KSRE on September 3 for a free dinner and a brief informational session, or go to www.cattletrace.org. Please RSVP by August 30 to Kara Mayer at 785-765-3821 or kamayer@ksu.edu.

Conservation to help promote the reduction of nutrients and sediment through the CRP program. The initiative is open to targeted watersheds specified for sediment and nutrient impairment. Incentive payments will range from \$162.50-\$225 per acre, depending on level of the impairment as identified by the Kansas Department of Health and Environment.

The following counties have watersheds that fall within these targeted areas: Atchison, Brown, Chase, Clay, Cloud, Coffey, Dickinson,

Douglas, Ellis, Geary, Harvey, Jackson, Jefferson, Lyon, Marion, Marshall, McPherson, Morris, Nemaha, Osage, Pottawatomie, Reno, Republic, Rice, Riley, Saline, Shawnee, Wabaunsee, Washington.

Please contact your local Conservation District for more information on the Kansas Sediment and Nutrient Reduction Initiative and eligibility. You can find a directory of local Conservation Districts at agriculture.ks.gov/ConservationDistricts.

Exports to Mexico and China help pork exports finish strong

U.S. pork exports in June reached the highest export value in 14 months at 212,887 metric tons and \$569.2 million. Exports to China and Mexico were a large reason for the increase in exports.

Removal of a retaliatory duty in Mexico led the U.S. to reach the highest monthly export values since April 2018, at \$119 million, and the highest monthly export volumes since January 2019, at 59,837 metric tons, according to the U.S. Meat Export Federation (USMEF) website. USMEF president and CEO Dan Halstrom says USMEF is looking forward.

“USMEF’s marketing programs have ramped up in Mexico so that we can recapture lost market share and regain momentum in this critical market for U.S. pork,” Halstrom says.

The USMEF website also reports exports to China increased in June, a 123% year-over-year increase and the highest June volume in more than three years at 41,704 metric tons. However, retaliatory duties remain, and the European Union is still the primary pork supplier to China and Hong Kong.

Meanwhile, volume exports to Japan decreased 4% as U.S. pork export competitors received tariff relief through the Comprehensive and Progressive Agreement for Trans-Pacific Partnership. While Japan slowed, exports to Colombia achieved a 20% increase in first-half exports from a year ago. U.S. pork exports also saw first-half volume exports increase 44% to Australia, a top-performing market for the U.S. Central America set records in 2018 and saw a first-half volume increase of 11% to 44,614 metric tons.

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COWS: \$66-\$78.50; \$55-\$65.75; \$54 & down. BULLS: \$87-\$94.00.

HEIFERS				
15 mix.....	589@139.75	19 blk.....	715@137.50	
14 bkbwf.....	615@135.50	16 blk.....	782@130.25	
4 bkbwf.....	611@133.50	18 blk.....	789@128.75	
8 blk.....	629@128.00	6 blk.....	756@128.00	
13 blk.....	641@126.50	236 bkbwf...	876@139.10	
16 bkbwf.....	693@125.00	21 bkbwf....	892@136.75	
13 bkbwf.....	724@128.50	35 mix.....	874@132.75	
18 blk.....	746@127.75	6 mix.....	808@122.00	
12 blk.....	772@124.25	52 bkbwf....	960@134.50	
21 blk.....	726@123.00	103 bkbwf...	972@130.85	
14 blk.....	741@122.00	20 mix.....	971@130.75	
6 bkbwf.....	758@122.00	53 mix.....	951@126.75	
6 mix.....	848@126.75	6 mix.....	950@120.00	
13 blk.....	958@123.25	54 mix.....	1015@127.50	
5 Char.....	958@122.75	34 bkbwf...	1036@127.25	
		26 mix.....	1021@127.00	
		49 mix.....	1021@127.00	
		14 Char.....	1025@125.00	

STEERS

8 blk.....646@137.50
18 blk.....686@131.00

CONSIGNMENTS FOR AUGUST 28

- 23 blk & Char hfrs, 750-800 lbs
- 20 blk hfrs, 775-850 lbs
- 110 mostly blk hfrs, 800-900 lbs
- 60 mix strs, 900-950 lbs
- 180 mix strs, 775-900 lbs

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To see more consignments go to: emporialivestock.com

Slocombe elected alternate Angus delegate to 136th meeting

John Slocombe, Manhattan, has been elected as an alternate delegate to the 136th annual American Angus Association® Convention of Delegates, Nov. 4 at the Peppermill Resort Spa & Casino in Reno, Nevada, reports Mark McCully, CEO of the American Angus Association.

Slocombe, a member of the American Angus Association

with headquarters in Saint Joseph, Mo., is one of 231 Angus breeders who have been elected by fellow members to serve as an alternate state representative to the annual meeting. Representing 42 states and Canada, those serving as state delegates will participate in the business meeting and elect new officers and five directors to the American Angus Association board.

Held in conjunction with the 136th Annual Convention of Delegates, the Angus Convention is set to take place Nov. 2-4, in Reno, Nevada. The Angus Convention offers unrivaled opportunities for real-world education, face-to-face networking and country music entertainment. This year on Saturday the Angus

Genomics Symposium and Innovation Workshops, sponsored by Neogen GeneSeek, will provide thought-provoking keynote addresses and hands-on education in the cattle demonstration area including Dr. Tim Holt speaking about high altitude disease. The Angus University keynote sessions will keep producers on track with a motivational

address by Dr. Beck Weathers and Houston Livestock Show and Rodeo™ president and chief executive officer Joel Cowley. The Sunday afternoon Angus University workshops, sponsored by Zoetis, will further educate and update producers on the latest in technology, association programs and more. In addition, there is a Certified Angus Beef®

brand meats judging contest held in conjunction with Colorado State University using their meat trailer, sponsored by Greeley Hat Works, and three grand prize giveaways that will be awarded on Sunday, Nov. 3. Visit AngusConvention.com to learn more or to register. The early registration discount of \$175 ends Sept. 30.

Know your enemy – pick your battles with insect control

By Jody G. Holthaus, Meadowlark District Extension agent, livestock and natural resources

This is true for life in general, but today we're talking about flies on livestock. I've been at war with the flies around our farmstead. I've purchased four different sticky traps, the fly bait stations and now, I'm resorting to making my own bait stations.

I watched some YouTube videos on what to use to bait my soda pop bottle traps. I used sugar syrup with rotten fruit, rotting meat and red colored sugar water. These were the combinations that were supposed to attract flies and wasps or hornets. So far, so good on the flies, not so much on the wasps and hornets. The best thing I have found is the roll of sticky paper, you just keep unrolling it as it fills up with wasp carcasses. Last year, I used the toilet bowl sanitizers, the little cheap ones that clip on the side of the bowl. Those things are supposed to prevent mud daubers in buildings. I think they worked, but they dissolved so fast in the heat.

On our cow herd, I really tried to find an insecticide that was

NOT permethrin or pyrethroid. If you look at the products sold in most farm stores, they are all permethrin or pyrethroids. I finally found some product with the active ingredient Coumaphos.

Development of insecticide resistance in horn fly populations is the result of a selection process similar to that used to improve herds. Cattle producers can cull horn flies that are susceptible to a certain group of insecticides by using products with the same mode of action year after year. Surviving or resistant flies are left to breed and produce resistant offspring. As a result, products that once gave good control may no longer kill flies or may lose their effectiveness earlier in the season. Insecticide resistance has become a problem in some areas of the US, particularly with the use of insecticide ear tags containing active ingredients with the same mode of action – attacking the same site in the insect.

Specific steps can be taken to manage resistance, including:

1) Target treatment to lactating cows and growing calves

because they have the greatest potential for loss to horn flies and the greatest chance for a return from the cost of treatment.

2) Rotate among insecticides with different modes of action.

3) Wait to treat until there is an average of 200 or more horn flies per animal. This may not occur until early to mid-June. Treating too early, especially with ear tags, may mean poor control in late summer when the flies are most abundant.

4) Use alternative insecticides and application methods late in the season to reduce the percentage of overwintering flies with resistance.

5) Remove insecticide ear tag as soon as horn fly numbers begin to decline in the fall. This reduces the amount of time that flies are exposed to a product and allows the number of susceptible flies to increase late in the season.

6) Change application methods regularly. Use dust bags, back rubbers, pour-ons, or sprays rather than relying continuously on ear tags. Continued use of insecticides from the same class in a slow release form (ear tag) may lead to resistance.

Gap growing between irrigated, rain-fed crop yields

A 65-year comparative analysis between U.S. yields of irrigated and rain-fed crops has sounded a message to farmers, land managers and policymakers: Mind the gap.

The University of Nebraska–Lincoln's Suat Irmak and Meetalpal Kukal analyzed the annual yields of nine crops — corn, soybean, spring wheat, winter wheat, sorghum, cotton, barley, oats and alfalfa — on a county-by-county basis from 1950 to 2015.

Irmak and Kukal found that the yield gaps — differences in food produced with irrigation versus rainfall alone — generally widened over that span, a trend they suspect stems partly from climate change and technological advances in irrigation management.

But the rates at which those gaps widened, and how consistently they did so over time, differed substantially among the crops and the regions that grew them.

"You get more yield from irrigated than rain-fed (agriculture), but the magnitude of yield increase is a function of several variables," said Irmak, Eberhard Distinguished Professor of Biological Systems Engineering. "It's not surprising that as precipitation increases, the yield gap decreases. But that also has spatial and temporal attributes, so it's not really constant in all regions or for all crops."

Irrigation most benefited corn yields, according to the study, boosting them 270% nationally over the 65-year span. The unique growing season of winter wheat meant that its yields rose only 25% with irrigation, the smallest gain among the nine crops. Yet even crop-specific yield gaps varied noticeably by location. Two corn-growing areas separated by about 700 miles, for instance, saw a seven-fold difference in irrigation-related yield gains.

Having mapped such differences across roughly 80%

of the United States' cultivated land, the researchers said they hope the findings can help guide future crop production while calibrating water management and irrigation use nationwide.

Regions or states with historically wider gaps, especially those growing the most irrigation-thirsty crops, might consider irrigating more or investing in soil management practices that help conserve moisture, Irmak said. Those that have historically seen little difference — or, in a few areas, seen the gaps between irrigated and rain-fed yields narrow — might decide to allocate their resources in other ways.

The county-level precision of the study's data might also help individual farmers better estimate the potential return on investing in irrigation.

"We have those answers for different crops in each county, so they can go back and do some analysis," Irmak said. "If they want to buy a center-pivot for approximately \$150,000 and convert their land to irrigation, they can quantify the (return on investment). Of course, these are ranges (of values), but they can say, for instance, 'I can increase my yield by about four to six tonnes per hectare. Depending on grain prices, over the course of five to eight years, I can pay for my pivot.'"

Irmak and Kukal likewise quantified the number of years that given counties failed to generate any meaningful yields of a crop when relying only on rainfall, which some farmers might factor into long-term risk assessments, the researchers said.

"There's a bigger risk with rain-fed (agriculture)," Irmak said. "There's an overall, long-term average value for rain-fed yields, but that doesn't mean you are going to get that yield every year. That's why we consider irrigation an

insurance policy that normalizes things and provides stable productivity under varying climatic conditions."

The researchers, who in 2018 published studies that quantified the lengthening of growing seasons and the agricultural effects of climate trends across the United States, said they expect farmers and other ag professionals to welcome the depth and complexity of the new analysis.

"Farmers are very smart people," Irmak said. "In extension, there is a general concept that you need to provide simple information and (focus on making it) understandable. And that's great. But that was probably (truer) a long time ago. Things are changing as farmers and their operations are getting more complex and sophisticated, especially in changing climatic conditions."

"I interact with a lot of farmers, almost on a daily basis. They want more information. They really appreciate

more and more scientifically based data."

By contrast, Irmak conceded that he regularly encounters irrigation-related pushback from colleagues who study environmental issues, including irrigation's role in ferrying nitrogen and other fertilizer components into groundwater. A desire to balance that perspective with the upsides of irrigation motivated Irmak and Kukal to publish the new study in Environmental Research Communications.

"Irrigation on 24% of the cultivated land produces 40% of the total global food supply," Irmak said. "If we stopped irrigating today, more people would suffer or worse due to substantially reduced food, fiber and feed production, especially in areas that are already experiencing a significant shortage of supplies. In my program, we look at reducing the negative environmental impact of irrigation. And I do acknowledge that

irrigation may have some negative environmental effects when management is not practiced properly; there's no question about that.

"But overall, irrigation contributes substantially (to food production), and I want to get this message to platforms

where the most environmental colleagues are. I thought this could contribute to getting environmentally and agriculturally focused people thinking about irrigation's positive impacts rather than focusing on just their own ideas."

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On Thursday, August 22 we had 557 head of cattle on an active market.

STEERS	10 blk 882@134.50	14 bkred 731@129.00
2 blk 550@161.00	13 bkrgy 846@130.50	15 bkbfw 764@129.00
12 bkbfw 610@155.00	HEIFERS	23 bkred 859@128.00
6 bkbfw 603@145.00	3 bwf 533@146.00	6 bkrgy 783@127.00
37 bkbfwrbf.....	18 bkbfw 592@146.00	9 blk 818@125.00
..... 730@145.00	31 bkbfw 690@138.25	6 blk 921@124.00
16 bwrbf 808@144.50	5 bkred 708@133.75	BULLS
23 bkbfw 700@143.50	13 bkChr 667@133.50	3 blk 458@164.0
27 bkbfwgry.....	25 bkred 742@132.00	1 rd Ang 920@120.00
..... 704@143.00	5 blk 647@130.00	2 blk 1025@120.00
10 blk 841@137.00	7 bkChr 693@130.00	2 blk 1118@117.00

Butcher Cows: \$50-\$83.00, mostly \$63-\$77.00.
Butcher Bulls: \$83-\$95.00, mostly \$90-\$94.00.
Big fat cows selling \$2-\$4 higher. Rest of the cows steady.
Bulls steady, all selling very active.

BUTCHER COWS	2 blk 1663@77.00
2 blk 1910@83.00	BUTCHER BULLS
1 Char 1900@82.25	1 blk 1665@95.00
1 blk 1745@81.00	1 blk 1750@95.00
3 bkbfw 1642@81.00	1 blk 1840@95.00
1 blk 1480@79.50	1 blk 1765@94.00
1 blk 1435@79.50	1 blk 2380@94.00
1 blk 1470@78.00	1 bkSim 1400@93.50
1 blk 1860@78.00	1 blk 1695@91.00

EARLY CONSIGNMENTS FOR AUGUST 29 • 250 blk bwf rbf str & hfrs, 500-800 lbs, Fall calves off the cow & vac. • 35 blk bwf str & hfrs, 600-800 lbs, off the grass.	
EARLY CONSIGNMENTS FOR SEPTEMBER 5 • 90 blk bwf Char cows, 5-10 yrs old, heavy Springers, bred to Angus bulls. Nice cows, heavy bred.	
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or Matt Hoffman (Owner): 620-727-0913
Hay Auction- Every Tuesday at 9:00 a.m.
Cattle Auction- Every Tuesday at 10:00 a.m.
Hog/Sheep/Goat Auction- Every 3rd Saturday
Horse/Tack Auction- Every 1st Saturday

Tues., September 3rd - NO SALES
Tues., September 7th - Horse & Tack Sale
Tues., September 10th - Calf/Yearling Special

EL DORADO
LIVESTOCK AUCTION, INC.
316-320-3212
Fax: 316-320-7159
2595 SE Highway 54, P.O. Box 622,
El Dorado, KS 67042
Market Report - Sale Date 8-22-19. 710 Head.
300-400 lb. steers, \$164-\$179; heifers, \$135-\$159; 400-500 lb. steers, \$131-\$164; heifers, \$137-\$142.50; 500-600 lb. steers, \$141-\$159.75; heifers, \$119-\$147.50; 600-700 lb. steers, \$140-\$155; heifers, \$121-\$144; 700-800 lb. steers, \$130-\$146; heifers, \$118-\$132.50; 800-900 lb. steers, \$126-\$139.25; heifers, \$103-\$125. **Trend on Calves:** \$5-\$7 higher on Choice calves. **Trend on Feeder Cattle:** Feeder steers \$1-\$2 higher on light test; Feeder heifers steady to \$3 higher. **Butcher Cows:** High dressing cows: \$63-\$67.50; Avg. dressing cows: \$55-\$60; Low dressing cows: \$47-\$53. **Butcher Bulls:** Avg. to high dressing bulls: \$86-\$92.50.

HEIFERS	STEERS
19 blk 602@143.00	14 mix 661@148.00
70 mix 644@144.00	22 blk 738@146.00
63 mix 698@141.00	33 blk 758@145.50
	22 blk 841@139.25

SPECIAL COW SALE: THURSDAY, AUGUST 29:

- 135 blk & bwf bred cows, 3-5 yrs old, start calving Sept. 10 for 70 days, bred to Angus bulls, cows weigh 1250-1300lbs
- 125 black & bwf cows, 5-6 years old, bred to black bulls, start calving Sept 1st for 90 days
- 81 black & rwf cows, 3-9 years old, bred to black Simmental bulls, start calving Sept.1st for 60 days
- 20 black cows either with calf at side or heavy bred, mostly home raised, cows are 4-5 years old, calves will be out of McCurry bulls, herd dispersal
- 45 black & red running age cows, bred to black bulls
- 21 black 3 year old cows, bred to Angus bulls, start calving Sept. 20th
- 40 blk & red 3-5 yr old cows, start calving Sept 15 for 75 days
- 35 red/rwf/Char cows bred to Angus bulls, 3-5 years old, start calving Sept 10th for 70 days
- 25 black & bwf pairs, cows 3-5 years old with 200-350# calves, cows not exposed back
- 25 black & red spring heifer pairs, bred back to black bulls. Spring calves
- 25 black & red bred heifers, start calving right away
- 20 mixed colored pairs, cows 3-5 years old with 200-300# calves, not exposed
- 50 black 4-5 year old cows, bred to Angus bull & will calve Sept 15th for 60 days
- 55 mixed running age cows bred to black or Hereford bulls, Start calving right away.
- 40 black & red 4-5 year old cows, bred to calve in Sept & Oct.
- 50 red angus replacement heifers

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

Chris Locke (316) 320-1005 (H) (316) 322-0675 (M)	Steven Hamlin (602) 402-6008 (H) (620) 222-1199 (M)
Larry Womacks, Fieldman (620) 394-3273 (H) (620) 229-0076 (M)	Van Schmidt, Fieldman (620) 367-2331 (H) (620) 345-6879 (M)

Cattle Sale Every Thursday 11:00 AM

Holton Livestock Exchange, Inc.
1/2 mile East of Holton, KS on 16 Highway
Livestock Auction every Tuesday at 12 NOON
Serving the Midwest Livestock Industry for 67 Years!
******STARTING TIME: 12:00 NOON******

MARKET REPORT FOR TUESDAY, AUGUST 20, 2019
RECEIPTS: 393 CATTLE
VIEW FULL RESULTS ON OUR WEBSITE.

STEERS	HEIFERS
1 bwf str 390@167.50	7 blk hfrs 605@144.00
2 blk bwf 517@163.50	4 blk bwf hfrs 566@143.50
3 blk bwf str 543@161.00	5 blk hfrs 498@143.50
2 blk bwf str 580@158.50	7 blk hfrs 607@141.50
3 blk str 545@158.00	4 blk hfrs 565@141.00
5 blk str 687@147.00	2 blk hfrs 432@140.00
8 blk grey str 738@143.00	8 blk red hfrs 623@140.00
7 blk bwf str 787@135.75	2 blk hfrs 572@139.00
3 blk bwf str 838@135.00	14 mix hfrs 655@136.00
3 blk str 861@133.50	3 blk bwf hfrs 628@135.00
4 blk 743@129.00	8 blk hfrs 758@129.75
5 blk str 1107@117.00	127 blk bwf hfrs 824@128.10
	3 blk hfrs 713@126.50

Dan Harris, Auctioneer & Owner • 785-364-7137
Danny Deters, Corning, Auct. & Field Rep • 785-868-2591
Dick Coppinger, Winchester, Field Rep. • 913-774-2415
Steve Aeschliman, Sabetha, Field Rep. • 785-284-2417
Larry Matzke, Wheaton, Field Rep. • 785-268-0225
Craig Wischropp, Horton, Field Rep. • 785-547-5419
Barn Phone • 785-364-4114
WEBSITE: www.holtonlivestock.com
EMAIL: dan@holtonlivestock.com
View our auctions live at "Imauctions.com"

K-State study on determining teaching effectiveness wins national award

A study conducted by two Kansas State University agricultural economics faculty members found that student evaluations are still likely the most common way to determine the effectiveness of education in ag economics classes.

Brian Coffey, assistant professor and Andrew Barkley, a professor in K-State's Department of Agricultural Economics teach undergraduate and graduate-level classes. To help them and their colleagues across the country understand how teaching is evaluated in

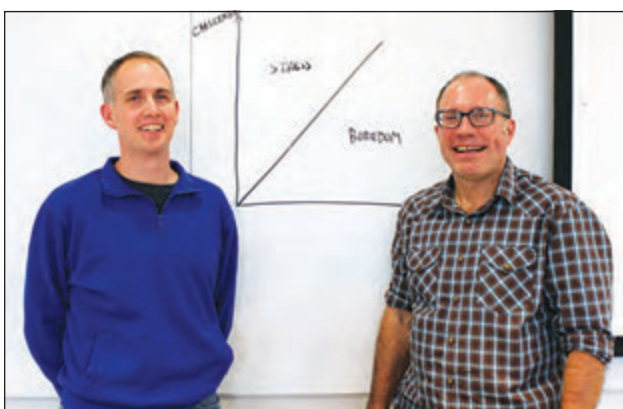
general, plus criteria on how faculty members are evaluated for promotion, tenure and salary, they reached out to heads of ag economics departments at other universities.

For the article that resulted, Coffey and Barkley were awarded the 2019 North American Colleges and Teachers of Agriculture Jack Everly Journal Award. The paper was published in the March 2018 issue of the NACTA Journal.

Why is it important? Agricultural economics influences food policy, agricultural policy

and environmental policy in any given country and around the globe, so it's important that students have at least a basic understanding of the principals of agricultural economics.

The K-State survey found that while imperfect, students' evaluations of their teachers' effectiveness is often the major method of evaluating teaching in departments of agricultural economics. Other factors such as evaluation by a faculty member's peers are considered but used more when faculty members are under con-



Kansas State University agricultural economics faculty members Brian Coffey, left, and Andrew Barkley, right, won the 2019 North American Colleges and Teachers of Agriculture Jack Everly Journal Award for a recent study.

Flooding, a trade war and Deere cuts outlook again

AP — Deere & Co. cut its profit expectations for the second time this year as beleaguered farmers and an escalating trade war with China cut into sales.

Widespread and heavy flooding severely delayed planting this year for thousands of farmers. In the 18 states that grow most of the nation's corn, only 58% of the crop had been planted by the last week of May, far from the 90% in a typical year. Less than half of the normal soybean crop had been planted in that same period, leaving many farmers to decide whether to plant at all.

Rising trade tensions have exacerbated the situation.

China this month abruptly cut off purchases of U.S. farm products in protest of tariffs and tariff threats from the Trump administration.

China bought \$6 billion in U.S. farm exports last year, according to the U.S. Census. It's the world's biggest soybean buyer and it purchased about 60 percent of U.S. soybean exports in 2018.

Soybean prices have been deteriorating since the trade war began.

Deere now anticipates profits of about \$3.2 billion. Its prior outlook was for earnings of \$3.3 billion. Deere still foresees a full-year revenue increase of about 5%.

In May, the company low-

sideration for promotion and tenure, for example when an associate professor is under consideration for promotion to full professor.

More information about the study, including how agricultural economics departments determine attitudes about publishing and other creative activity related to teaching, is available by contacting Coffey at bcoffey@ksu.edu or Barkley at barkley@k-state.edu.

More information about K-State's Department of Agricultural Economics is available on its website or by calling 785-532-6702.

ered its profit expectations from \$3.6 billion, and lowered revenue expectations as well.

"Concerns about export-market access, near-term demand for commodities such as soybeans and overall crop conditions have caused many farmers to postpone major equipment purchases," Chairman and CEO Samuel Allen said in a prepared statement.

Sales of agricultural and turf equipment, Deere's biggest operation, slid 6% in the third quarter and profits fell 24%, the company said.

That was partially offset by strong activity in the construction industry. Sales of related equipment rose by a percent and profit rose 35%,

Deere, based in Moline, Illinois, earned \$899 million, or \$2.81 per share, for the period ended July 28. Excluding certain items, earnings were \$2.71 per share, or 9 cents short of per-share projections from industry analysts, according to a survey by Zacks Investment Research.

It was also short of last year's quarterly profit of \$910 million.

Revenue fell 3% to \$10.04 billion, with adjusted revenue totaling \$8.97 billion. That was also short of expectations.

Investors had been bracing for worse; however, given the worsening trade relations and slowing global economy. Shares rose 3% at the opening bell.



Grass & Grain Weather Report

Aug. 28, 2019

Seven Day Forecast

WEDNESDAY
Isolated T-storms
High: 80 Low: 61

THURSDAY
Partly Cloudy
High: 76 Low: 57

FRIDAY
Mostly Cloudy
High: 74 Low: 59

SATURDAY
Sunny
High: 75 Low: 56

SUNDAY
Sunny
High: 73 Low: 58

MONDAY
Sunny
High: 80 Low: 61

TUESDAY
Sunny
High: 88 Low: 70

In-Depth Local Forecast

Today we will see partly cloudy skies with a 30% chance of showers and thundershowers, high temperature of 80°, humidity of 64%. Light winds. The record high temperature for today is 109° set in 2000.

Last Week's Almanac

Date	Hi/Lo	Normals	Precip
8/16	87/67	90/65	0.01"
8/17	90/69	90/65	0.41"
8/18	90/72	89/65	0.02"
8/19	95/71	89/65	0.00"
8/20	97/78	89/64	0.00"
8/21	80/70	89/64	0.10"
8/22	82/72	89/64	0.00"

Rainfall 0.54"
Normal rainfall 1.12"
Departure -0.58"
Average temp 80.0°
Average normal 76.9°
Departure +3.1°

Local UV Index

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

Today's Local Outlook

Washington 79/65, Blue Rapids 77/58, Seneca 79/56, Clay Center 78/60, Manhattan 80/61, Wamego 79/60, Ogden 79/59, Junction City 81/61, Abilene 79/60, Council Grove 80/62

This Week's Sun & Moon Chart

	Day	Sunrise	Sunset	Moonrise	Moonset	
New	Wednesday	6:51 a.m.	8:03 p.m.	4:26 a.m.	7:14 p.m.	Full 9/14
	Thursday	6:52 a.m.	8:02 p.m.	5:40 a.m.	7:58 p.m.	
	Friday	6:53 a.m.	8:00 p.m.	6:56 a.m.	8:37 p.m.	
	Saturday	6:54 a.m.	7:59 p.m.	8:11 a.m.	9:13 p.m.	
First	Sunday	6:55 a.m.	7:57 p.m.	9:26 a.m.	9:46 p.m.	Last 9/21
	Monday	6:56 a.m.	7:55 p.m.	10:38 a.m.	10:20 p.m.	
	Tuesday	6:57 a.m.	7:54 p.m.	11:49 a.m.	10:54 p.m.	

Weather History

Aug. 28, 1959 - Lieutenant Colonel William Rankin bailed out of his plane at a height of 46,000 feet into a violent thunderstorm and lived to write about the 45-minute journey. He said it was one of the most bizarre and painful experiences he could imagine.

Growing Degree Days

Date	Degree Days	Date	Degree Days
8/16	27	8/20	37
8/17	29	8/21	25
8/18	31	8/22	27
8/19	33		

LAND AUCTION

5,725 ACRES M/L IN GRAY COUNTY

Tuesday, September 17, 2019 | 10:00 AM

Clarion Inn | 1911 E Kansas Ave | Garden City, KS

The 613 Agro Holdings Farm is located in Gray County, Kansas along the Arkansas River Valley 17 miles from Garden City, Kansas. The property will be offered in 14 Tracts ranging from 7.25 acres m/l to 800.4 acres m/l. The Farm is comprised of 5,725 contiguous assessed acres m/l. The property consists of approximately 4,837.05 FSA tillable acres m/l that carry an NCCPI of 26, and the remaining acres include 242.9 acres m/l of improved pasture located on the north side of Highway 50. The 613 Agro Holdings Farm has extensive water rights which authorize 5,063 acres m/l to be irrigated according to the Kansas Department of Water Resources. The Farm includes 31 well-maintained pivots which may irrigate approximately 4,200 acres m/l. The Seller will be transferring 100% of their owned mineral rights associated with the Farm to the new Buyer(s).

For more information, maps, and videos, please visit 613Agro.com.

Greg Stone: 620.937.8011, Greg@PeoplesCompany.com

Steve Bruere: 515.222.1347, Steve@PeoplesCompany.com

PEOPLES COMPANY
INNOVATIVE. REAL ESTATE. SOLUTIONS.

PeoplesCompany.com
Listing #14537

PUBLIC AUCTION

SATURDAY, SEPTEMBER 7, 2019 — 9:00 AM

11320 S. Muir Road — FALUN, KS • Lunch Available!

From West edge of Lindsborg 2 1/2 mi. North on Cornado Ave., turn left on Cornado Heights Rd. go 2 mi. to Muir Rd., turn right 1 1/2 mi. to sale site.

PICKUPS, TRAILERS, SADDLES, TACK: 2004 Ford F350 dually 4WD, diesel pickup, 157,000 mi.; 1995 Chevy 1500, 4WD, approx. 120,000mi.; 2000 20' Travelong livestock trailer; 2017 18'x83' flatbed car trailer w/ramps Nice; 5x10 tilt trailer; Billy Cook 15" saddle w/buckstitch styling; (2) 16" saddles all very nice; Broken Horn headstall & ear pieces; saddle pads; bridles; bits; halters; leadropes; bridge for trail training; propane tank heater; Rubbermaid 100 gal. water tank; men & women's show chaps & cowboy hats.

MOWERS, YARD, TOOLS: 2008 Excel Hustler FasTrak 60" mower; Sears push mowers; mower jack; Toro rototiller; Poulan Pro weed eater; seed broadcasters; 25 gal. trailer sprayer; chainsaw; utility cart; Rubbermaid wagon; 2 wheelbarrows; Rain Train; metal hose stand; hoses; 2 hand pumps; Yoder smoker; charcoal grills; smoking wood/logs; birdhouses & feeders; chiminea; concrete cowboy boot planter; glider patio bench; mobile tool rack; sm. bench grinder; sm. air compressor; hand grinder; bench top drill press; circular saw; 25 gal. shop vac; aluminum & wood extension ladders; 8' wood step ladder & *much more.* **ART, FURNITURE, CAMPING, MISC:** Alba Malm watercolor; Anton Pearson carving & oil paintings; Tom Clark gnomes; Bing & Grondahl Swedish plates; Christmas in Lindsborg set; small safe; oak secretary; tiger oak dining room buffet w/beveled mirror; square oak table; 60" oak oval table, 2 leaves, 4 captain, 4 reg. chairs; sofa; 5 pc. full bedroom set; full size maple bed set; king size bed frames; dressers; 4 wood bar stools; deep freezer; microwave & stand; kitchen misc.; piano; TVs; stereo system & rack; sewing machine table; fabric; 2 dehumidifiers; vacuum cleaners; fans; fireplace equip.; file cabinets; quilts; pillows; down comforter; pop up tent; Coleman camping equip. (many brand new); 15 speed bicycles; old car tags; road signs; aluminum handrails; diamond shape Corian tiles; John Deere sled & metal toys; T-posts; wood & electric fence posts; fencing supplies; & *much, much more!*

GARY & SUE HOWARD, SELLERS

For pictures go to ksallink.com & click on marketplace

WILLIAM CRANE, AUCTIONEER/REALTOR
785-577-0488 • 785-254-7034

Statements made day of sale take precedence over all advertising.

Sell

Sell Or Buy

At

By Auction

St.

STARTING TIME 10:30 AM

Marys

Tuesdays

We sold 1806 cattle August 20. Steer and heifer calves were in good demand at steady to higher prices. Feeder steers and heifers sold \$3.00 to 7.00 higher. Cows and bulls were steady.

STEER & BULL CALVES			
3 bwf str/bulls	422 @ 170.00	6 blk str	793 @ 141.50
3 bwf bulls	305 @ 165.00	55 mix str	862 @ 141.25
1 blk str	530 @ 164.00	124 blk/red str	902 @ 141.10
3 blk/bwf bulls	438 @ 156.00	5 blk/red str	760 @ 140.50
1 blk bull	545 @ 154.00	7 blk str	796 @ 139.75
1 blk str	530 @ 152.00	62 mix str	867 @ 139.75
1 bwf bull	520 @ 145.00	128 blk/red str	798 @ 139.00
		57 blk/bwf str	907 @ 138.35
		58 blk/char str	939 @ 136.25
		61 mix str	964 @ 133.00
		10 blk str	897 @ 132.25

STOCKER & FEEDER STEERS			
10 blk str	569 @ 168.00		
4 blk str	613 @ 160.00		
19 blk/bwf str	653 @ 157.25		
9 blk str	610 @ 154.00		
127 blk/bwf str	718 @ 152.00		
78 blk/red str	732 @ 152.00		
112 mix str	766 @ 149.75		
71 blk str	814 @ 148.85		
3 bwf str	740 @ 146.50		
5 blk/char str	787 @ 146.50		
120 blk/char str	790 @ 146.10		
49 blk/bwf str	825 @ 143.25		
32 mix str	818 @ 143.00		
16 blk str	758 @ 142.00		

HEIFER CALVES			
2 blk hfr	413 @ 150.00		
6 blk hfr	436 @ 150.00		
9 blk hfr	528 @ 149.50		
3 blk hfr	480 @ 148.00		
1 blk hfr	395 @ 145.00		
1 blk hfr	410 @ 145.00		
1 blk hfr	475 @ 143.00		
2 x-bred hfr	443 @ 139.00		

STOCKER & FEEDER HEIFERS			
3 blk hfr	602 @ 143.50		

3 blk hfr	570 @ 143.00		
73 blk/bwf hfr	713 @ 139.75		
11 blk/bwf hfr	615 @ 139.25		
66 blk/bwf hfr	724 @ 138.60		
13 blk/char hfr	698 @ 137.25		
8 blk hfr	626 @ 137.00		
45 blk/bwf hfr	747 @ 136.00		
4 blk hfr	759 @ 133.50		
66 blk/bwf hfr	821 @ 132.85		
65 mix hfr	800 @ 131.25		
66 blk/bwf hfr	850 @ 130.50		
6 blk/bwf hfr	688 @ 130.00		
2 blk/bwf hfr	850 @ 125.50		
3 blk/char hfr	815 @ 125.00		
4 blk/bwf hfr	834 @ 120.50		
2 blk/char hfr	893 @ 110.50		

COWS			
1 x-bred cow	1455 @ 68.50		
1 sim cow	1250 @ 65.50		
1 bwf cow	1505 @ 65.00		
1 blk cow	1160 @ 62.50		
1 bwf cow	1810 @ 62.00		

1 bwf cow	1480 @ 61.00		
1 blk cow	995 @ 59.50		
1 blk cow	1025 @ 55.50		
1 bwf cow	1185 @ 54.50		
1 blk cow	1315 @ 50.00		

BRED COWS & PAIRS			
8 blk/bwf cows/cvs	@ 1125.00		
2 blk/bwf cows	@ 1050.00		
1 blk cow/cf	@ 1025.00		
2 blk cows	@ 935.00		
1 blk cow	@ 775.00		
2 blk cows	@ 775.00		
3 blk/bwf cows	@ 750.00		

BULLS			
1 blk bull	1700 @ 85.00		
1 blk bull	1675 @ 82.00		
1 wf bull	1875 @ 81.50		
1 blk bull	1700 @ 80.00		
1 wf bull	1690 @ 76.50		
1 blk bull	1925 @ 76.50		

CONSIGNMENTS FOR AUGUST 27:

- 50 blk str & hfrs, 450-550 lbs., vacc.
- 52 blk str & hfrs, 500-600 lbs., weaned, vacc.
- 55 Angus str & hfrs, 600-700 lbs., weaned, vacc.
- 65 blk str & hfrs, 650-700 lbs., weaned, vacc.
- 35 Angus steers, 800-850 lbs., off grass
- 130 black heifers, 775-800 lbs., off grass
- 130 black heifers, 750-800 lbs., off grass
- 57 black steers, 850-875 lbs., off grass
- 95 black steers, 775-825 lbs., off grass
- 62 black steers, 850-900 lbs., off grass
- 200 blk Char steers, 800-875 lbs., off grass
- 120 blk Char steers, 875-925 lbs., off grass
- 110 blk Char steers, 850-900 lbs., off grass
- 60 blk Char steers, 875-900 lbs., off grass
- 73 black steers, 900-925 lbs., off grass
- 61 black crossbred steers, 925-950 lbs.

CONSIGNMENTS FOR SEPTEMBER 3:

- 82 blk hfrs, 600-625 lbs., weaned, vacc.
- 54 black steers, 925-950 lbs., off grass
- 150 black steers, 550-700 lbs., longtime weaned, 2nd rd. shots

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

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:

REZAC BARN ST. MARYS, 785-437-2785
DENNIS REZAC ST. MARYS, 785-437-6349
DENNIS' CELL PHONE 785-456-4187
KENNETH REZAC ST. MARYS 785-458-9071

LELAND BAILEY TOPEKA, 785-608-4005
LYNN REZAC ST. MARYS, 785-456-4943
REX ARB MELVERN, 785-224-6765

Livestock Commission
Company, Inc.

St. Marys, Ks.

Toll Free Number.....1-800-531-1676

Website: www.rezaclivestock.com

AUCTIONEERS: DENNIS REZAC & REX ARB