A Little Scare

The spring of 1874 was an uneasy season for settlers on the southern Kansas frontier. The Comanches attacked Kansas buffalo hunters at Adobe Walls in late June. The hunters who were illegally hunting below the Kansa border relied upon their long-range rifles to repel the all-out attack and three-day siege. On July 2, 1874, rumors that Indians were following the warpath frightened settlers along Cowskin Creek, just beyond Wichita. Panicked families swarmed into Wichita with hastily loaded wagons. Settlers from farther away arrived the next day only to discover there were no Indians in the

However, on July 4th, just as settlers were returning home, a small wagon train was attacked in Indian Territory. The bodies of freighter Pat Hennesey and two men in his employ were found along the Chisholm Trail on July 6, 1874. A Cheyenne war party was suspected.

The news forced the Laflin freighting company to circle their wagons. A messenger rode to Caldwell while the freighters prepared for an attack. At Caldwell twenty wellarmed men started down the trail to relieve the wagon train the evening of July 7th.

The Wichita City Eagle of

July 9, 1874, reported, "Bands of murdering, thieving red devils have been scouring the country between Ft. Sill, in the Indian Territory, and Ft. Dodge, on the Arkansas river..." The report claimed that four or five men and one boy had been killed in the past three months, citing "murders committed on the Medicine Lodge river and near Ft. Dodge.'

The "scare" was heightened by the news of the Hennessey massacre. The freighters had just left Wichita ten days before, "their teams loaded for Fort Sill." Another man, the brother-in-law of Wichita's Joe Hooker was believed killed near the state line and Hooker was on the trail "to ascertain the facts."

The Wichita paper further reported that "The country is full of rumors which grow into frightful stories, and the further one is from any actual danger, the more bloody and sanguine are the tales doled

Meanwhile, the scare quickly spread along the frontier. The morning of July 7th, the day after Hennessey was found, Mr. and Mrs. Charles Robinson awoke to find a throng of people passing by their humble prairie home. Mrs. Robinson later recalled

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that day on Shoo Fly Creek (present-day South Haven, Kansas)., "...people were passing, driving their stock before them and their wagons loaded with such household goods as they could load on." Panic filled the air. Everyone was in "a great hurry" to get away. They carried "news" that the Indians were to the west at Caldwell, murdering and scalping settlers. With only a single ox team to carry them and their possessions the Robinsons resigned to stay and face the consequences. Rather than face a fight with their slow-moving team on the open prairie the Robinsons and five other families "forted up" in the largest house in the community and waited.

North of the Robinsons, settlers were streaming into Wellington. Several companies of armed men were organized to meet the approaching warriors. All expected a great Indian war.

The Eagle editor almost seemed to relish the idea. "The only way to deal with an Indian when found off the reservation is to kill him. There is no good in them. It is an Indian's ambition - his whole life's desire, to murder and steal... Their destiny is extinction and the quicker it is done the better for all concerned."

Armed men went out on the trail. Companies drilled and waited, but the hated "red devil" failed to show. Evidence at the scene of the Hennessey murders strongly suggested the vile deed was done

Grass & Grain, July 2, 2019 by men in high-heeled boots. On Cowskin Creek, rumors of Indians lurking about were spread by a known horse thief, Hurricane Bill Martin. The plan was to steal the livestock left behind by fleeing settlers. However, Martin overplayed his hand in Wichita and was thrown in jail just as the Indian scare was unfolding on July 6th.

Down on Shoo Fly Creek the Robinsons heard that the horse thieves had been hanged. That story apparently originated at Guelph, Kansas, where an unnamed Texas man spread stories of marauding Indians.

took him for a jaunt "where the woodbine twineth,' Ultimately, outlaws proved more of a threat to settlers than Indians. At the Eagle, the editor had to admit that the big Indian war was nothing more than a little "scare" on The

According to the Arkansas

City Traveler some local men

Page 15

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

Way West.





Six-and-a-half-year-old Eva is shown driving her 1983 Montgomery Ward tractor she named Pickle. She loves to mow and dress up when doing her work. The blades on the mower are permanently disengaged.

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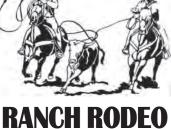


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SUMMER SCHEDULE:

For our sale Friday, June 28, the bulk of the run was 600-850 lb cattle and they were selling from steady to \$2 higher. The lighter cattle were selling mostly steady to spots weaker on the kind offered. Cull cows and bulls were selling

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595@137.00 6 Cross Leavenworth 597@136.00 Blaine 5 blk Eudora 6 blk 603@129.00 12 blk 722@125.00 Eudora Basehor 9 blk 685@120.50

Basehor 6 blk 456@142.50 Allen 5 blk 447@140.00 Green 6 blk 353@135.00 **HEIFERS — 550-800 LBS** 9 blk 585@141.50 Fudora 578@139.50 Wamego 4 mix Carbondale 6 Ang 562@139.50 50 Ang 690@135.25 Carbondale Junction City 34 mix 741@134.75 Allen 6 blk 557@132.50 608@130.50 Basehor 15 blk 21 blk 790@124.00 Seneca 5 blk 782@114.00 Basehor BULLS —1,325-2,150 Waterville 1 blk 1915@92.00 2040@85.00 Randolph 1 blk Waterville 1 blk 1845@83.00 Frankfort 1 blk 1340@83.00 Goff 1 blk 1800@82.00 seneca 1 blk 2135@81.00 Manhattan 1 blk 1445@80.00 Olsburg 1 blk 2035@79.00 Waterville 1 blk 1485@77.00

1 blk

COWS & HEIFERETTES — 625-1,975 LBS Wamego 1 blk 710@115.00 635@112.00 Wamego 1 blk 1015@89.00 Wamego 1 blk Council Grove 1 blk 1960@79.00 Frankfort 1 Cross 785@79.00 Manhattan 1 Rd Ang 1500@77.50 Centralia 1 blk 1835@77.50 Frankfort 1 Cross 1440@77.00 1500@76.50 Manhattan 1 Rd Ang 1490@74.00 Grantville 1 bwf

1485@72.00 1 blk Baileyville Goff 1 blk 1700@68.00 Waterville 1 blk 1275@67.00 Baileyville 1 blk 1320@66.00 1582@63.50 Wamego 2 blk

July 5: No Sale • July 12: Regular Schedule Perry Perry Perry

Wamego 2 blk 1452@63.00 Council Grove 1 blk 1400@62.00 Goff 1365@58.50 1 blk Goff 1 blk 1145@57.00 Perry 1 blk 1130@56.00 Baileyville 1 blk 1190@56.00 Baileyville 1 blk 1140@55.50 Grantville 1 blk 1305@55.00 **BABY CALF** Perry 1 blk 245@480.00 Leonardville 1 blk @410.00 1 blk 185@400.00 Perry Wamego 1 bwf @300.00 Leonardville 1 blk @260.00 **COW/CALF PAIRS AGE** 4 blk Perry @1550.00 5-6

2 blk @1475.00 7-8 SS @1375.00 2 blk 2 blk @1300.00

EARLY CONSIGNMENTS FOR JULY 12 131 choice blk strs & hfrs. Fall shots, no implants 700-800 lbs.

- 27 choice reputation Angus strs & hfrs, one rd shots, 600-750 lbs.
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CLEANER FIELDS. HIGHER YIELDS. THE



Dr. Jake and comrades have been readying stage coaches to ply the Smoky Hill Trail once more. They just had a wheelwright session at the museum. The boys were in hog heaven.

On July 12, 13, and 14, the Butterfield Trail Museum at Russell Springs and the Fort Wallace Museum will bring the Butterfield Overland Despatch back to life when stages once again ply the Smoky Hill Trail. Gathering in Russell Springs on Friday evening, supper will be served, stages will gather in the park, and a screening of Thof's Dragon will be offered on the museum lawn. Following breakfast on Saturday morning, the stages will head to the next station at Henshaw Springs (the Ber-

trand Ranch) before making

the rest of the journey to Pond

There are so many activities planned for the entire

Russell Springs is hosting a **Draft Horse Trail Competition** and Feed Team Race in the arena at 10:30 a.m. Central time. Admission is by donation and there is a \$25 fee for teams. Contact Ron Henry (evenings) at 785-443-4583 or Sharon Henry at 620-874-0193 for more information.

While the stages are making their way along the trail, an encampment of living history presenters will be set up at the Fort Wallace Museum. Opening at 10 a.m. Mountain time (you cross time zones at the Wallace County line), there will be leather workers, a blacksmith, wheelwright, baker, laundress, native plant expert, and much more.



B/C Georgia 8428 won grand champion bred-andowned female at the 2019 Kansas Junior Angus Association Preview Show, June 1-2 in Hutchinson. Austin Woodrow, Emporia, owns the October 2018 daughter of Duff Carry On 252. She first claimed senior calf champion. Brittney Creamer, Montrose, Colo., evaluated the 94 entries.

Photo by Jeff Mafi, American Angus Association

At 2 p.m. Mountain time, author/historian Michelle Martin, from Phoenix, will speak on the experiences of Natalie and Sandy Forsythe as they made their way in the late summer of 1905 from the east coast to the monument dedication at Beecher Island Battlefield.

At 4 p.m. and 7:30 p.m. Mountain time, Hell on Wheels, an original comedy by Marla Matkin will be presented on the grounds of the Fort Wallace Museum. The comedy co-stars Mark Berry, Kevin Soderland, and Mark Ferguson. Marla is an accomplished playwrite and actress, and the museum has been fortunate to have her appear at many of our events. This will also be the debut of her new children's book with illustrations by acclaimed artist Ronald Kil.

Special guests for the events will be western writer Monty McCord and actor/historian Peter Sherayko (Texas Jack Vermillion in the movie Tombstone). They will be passengers on the stage, as will be historian Mike Baughn

and Capt. Myles Keogh, as portrayed by New Yorker Bill

On Sunday morning, a memorial service will be held for Dr. Theophilus Turner, who died at the post 150 years ago this July. He and Scout William Comstock discovered the plesiosaur fossil that is the subject of the film Thof's Dragon.

So much hard work and hundreds of volunteer hours go into planning all these events and we hope you can come out and join us. We have really worked hard at the collaboration between the sites/



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COWS & HEIFERETTES

er, it has been challenging to schedule. Nearly everyone involved works in farming or ranching, and harvest schedule is a mess. Many of them are making great sacrifices for these events, to keep their sites

counties, and with the weath-

See you on the Smoky Hill

Deb Goodrich is the host of the Around Kansas TV Show and the Garvey Historian in Residence at the Fort Wallace Museum, as well as the chair of the 200th anniversary of the Santa Fe Trail in 2021. Contact her at author.debgo-

odrich@gmail.com.



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Herington, 10 blk

Hope, 107 mix

Hope, 5 blk

Hope, 4 blk

Hope, 72 mix

Lnclnvlle, 57 mix



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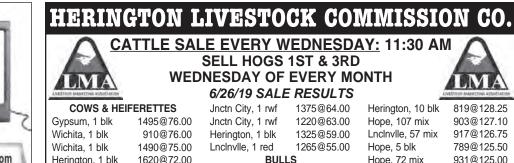
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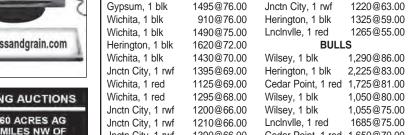
Sale bills with pictures at www.soldbywilson.com

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Herington, 3 blk 983@115.50 Herington, 56 mix 931@110.00 **HEIFERS** Wilsey, 6 blk 558@132.00 Enterprise, 7 mix 465@130.00 Jnctn City, 3 rwf 563@127.50 Enterprise, 7 rwf 716@125.75 714@125.00 Herington, 6 blk Hillsboro, 62 blk 862@121.50 Enterprise, 2 rwf 853@117.50

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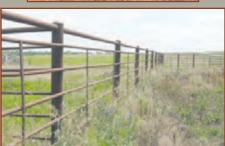
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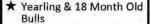
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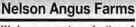
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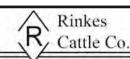


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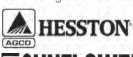
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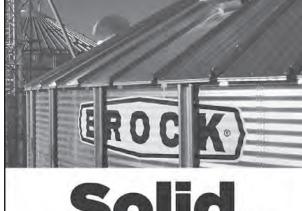
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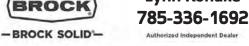
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Hay market trade has slowed, activity and demand is slow to moderate. Prices remained generally steady, however, we continue to see a downward trend in price for both old and new crop grinding alfalfa. Rain continues to hamper having activities and the frustration is evident. Those that have been able to get alfalfa hay baled are averaging 2.0-3.0 tons per acre. 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/delivered, steady; movement slow to moderate. Alfalfa: horse, premium small squares 250.00-270.00. Alfalfa: Dairy 1.00-1.05/point RFV, Supreme 185.00-210.00, Premium 170.00-195.00, Good 160.00-170.00. Stock or Dry Cow old crop 185.00-195.00, new crop 160.00. Fair/Good grinding alfalfa, old crop 160.00-170.00, new crop 110.00-135.00. Ground and delivered locally to feedlots and dairies, old crop 195.00-205.00, new crop 135.00-160.00; Triticale: large rounds, new crop 60.00-80; The week of 6/16-6/22, 7,767T of grinding alfalfa and 1350T of dairy alfalfa were delivered.

South Central Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay, alfalfa sun cured pellets, steady; alfalfa dehydrated pellets steady to 5.00 higher; movement slow to moderate. Alfalfa: horse, small

squares 200.00-210.00. Dairy, 1.00-1.10/point RFV, Supreme 195.00-215.00, Premium 175.00-200.00, Good 165.00-175.00. Stock cow, 140.00-160.00. Fair/Good grinding alfalfa, old crop 120.00-140.00, new crop 100.00-120.00. Ground and delivered locally to feedlots old crop 165.00-185.00, new crop 140.00-150.00; Alfalfa pellets: Sun cured 15 pct protein 205.00-220.00, 17 pct protein 210.00-230.00, Dehydrated 17 pct *295.00-305.00; Sudan: large rounds 75.00-85.00; The week of *6/16-6/22, 5,533T of grinding alfalfa and 675T of dairy alfalfa were

Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady; movement slow to moderate. Alfalfa: horse or goat, 220.00-240.00. Dairy 1.00-1.05/point RFV. Stock cow 170.00-180.00. Fair/Good grinding alfalfa, none reported. Ground and delivered, none reported; Grass hay: Old crop bluestem, premium small squares 140.00-150.00. Good, mid to large squares, 100.00-130.00, large rounds 95.00-110.00. Old crop Brome, good, small squares none reported, mid to large squares 140.00-155.00, large rounds 125.00-135.00; Sudan: large rounds 75.00-85.00; Oat hay, mid squares 60.00/bale; Wheat Straw: mid and large squares 75.00-100.00. Mulch: large rounds 50.00-60.00. The week of 6/16-6/22, 950T of grass hay was delivered.

Northwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: Horse or goat, 220.00-230.00. Dairy, Premium/Supreme 1.00-1.05/point RFV. Stock cow, fair/good 150.00-160.00. New crop fair/good grinding alfalfa, 105.00-115.00. Ground and delivered locally to feedlots and dairies, 130.00-140.00

Dairy alfalfa, grass hay, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: horse, new crop, 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, old crop, 195.00-200.00. New crop fair/good, grinding alfalfa, 130.00-140.00. Ground and delivered 155.00-165.00. Grass hay: Bluestem, small squares 8.00-8.50/bale, large squares 120.00-130.00, large rounds 100.00-110.00. Brome,

large rounds 80.00-90.00; Wheat Straw: mid squares 80.00-90.00, and large rounds 60.00-70.00. The week of 6/16-6/22, 534T of grinding alfalfa and 400T of dairy alfalfa were delivered. ***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.

small squares 8.50-9.50/bale, large squares 145.00-155.00, large

rounds 100.00-110.00 with an instance at 115.00-120.00; Sudan:

Grass & Grain, July 2, 2019

North Central-Northeast Kansas

*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_

High hog prices and trailing pork prices compress processor margins

Pork exports are expected to increase more than 7% next year as Mexican demand for U.S. pork was reestablished following the lifting of tariffs in May, according to the latest USDA Livestock, Dairy, and Poultry Outlook says.

Estimated gross processing margins have been consistently year-over-year lower since early April, says Mildred Haley, USDA agricultural economist. Although second-quarter prices of both hogs and wholesale pork cuts have been year-over-year higher, hog prices have increased relatively faster, squeezing processor margins as a result.

Undoubtedly, the rescission of Mexican tariffs on U.S. pork largely prompted upward revisions in U.S. pork export forecasts for both 2019 and 2020, Haley says.

In April and May of this year, the price of 51-52% lean hogs averaged \$58.65, more than 35% above prices in the same period of 2018. This jump was partly due to an increase in the demand for hogs and partly due to the African swine fever (ASF) situation in China and its implications for U.S. pork exports to China.

"It is notable that along with the larger April-May slaughter numbers, the U.S.

processing sector produced more pork products, and that those products cleared the wholesale market at higher wholesale prices," Haley says. "A larger volume of pork selling at higher prices points to increased pork demand."

In particular, given that April pork exports were more than 4% lower than a year earlier, higher market-clearing wholesale pork prices suggest a strong increase in domestic demand. Weekly federally inspected pork production for April and May was 4% higher than a year ago, and the wholesale carcass cutout price averaged almost 20% above April-May of 2018.

"Wholesale price increases were not sufficient to offset larger hog price changes, however, and processor margins declined as a consequence," Haley says.

Hog price forecast still above a year ago

For the second quarter, hog prices are expected to average \$58 per cwt, more than 21% higher than the same period a year ago. Forecasts for thirdand fourth-quarter hog prices were lowered slightly to \$60 and \$56 per cwt, respectively.

These prices reflect slightly weaker expected packer demand for hogs, Haley says, although continued robust demand-both domestic and foreign-for U.S. pork products will underpin prices at above year-ago levels through the balance of 2019.

Meat Export Forecast

Beef exports are forecast to increase 2.7%, primarily because of the lower anticipated competition in Asian markets, as beef supplies in Oceania will reflect weather-related herd reduction this year. Broiler export growth is forecast at 2.3% based on expectations of increased demand in lowand middle-income countries. particularly as the global meat and poultry market is pressured by shifting Chinese demand, Haley adds.

A 3% growth is anticipated for turkey exports next year, supported by strength in shipments to Mexico with continued low turkey prices expected to draw additional international purchasers. Lamb and mutton exports are likely to fall as U.S. production trends lower. Export volumes for eggs and egg products are forecast to decrease by 3%, based on expectations of continued softness in foreign demand. Dairy exports are expected to grow 3.3% next year as global demand grows.



Washington County FFA Officers (USD108) accept a check for \$2500 from the Bayer Fund and Bill and Vicki Slater at their annual banquet. The Slaters were selected as winners of Washington County for America's Farmers Grow Communities. The program offers farmers the chance to direct a \$2500 donation to a nonprofit of their choice. It has awarded more than \$33 million to over 8,000 nonprofits across America in it's 10 years. Advisor for Washington County FFA is John Kern.

NRCS announces Monarch Butterfly habitat RCPP funding application cutoff for July 26

Karen A. Woodrich, Kansas State Conservationist for the USDA Natural Resources Conservation Service (NRCS), announced funding to help landowners improve restore, manage, and conserve habitat for Monarch butterflies on agricultural and tribal lands. The National Fish and Wildlife Foundation and other partners, have joined NRCS in a Regional Conservation Partnership Program (RCPP) to offer financial assistance to help agricultural producers increase milkweed and Monarch nectoring plants on agricultural

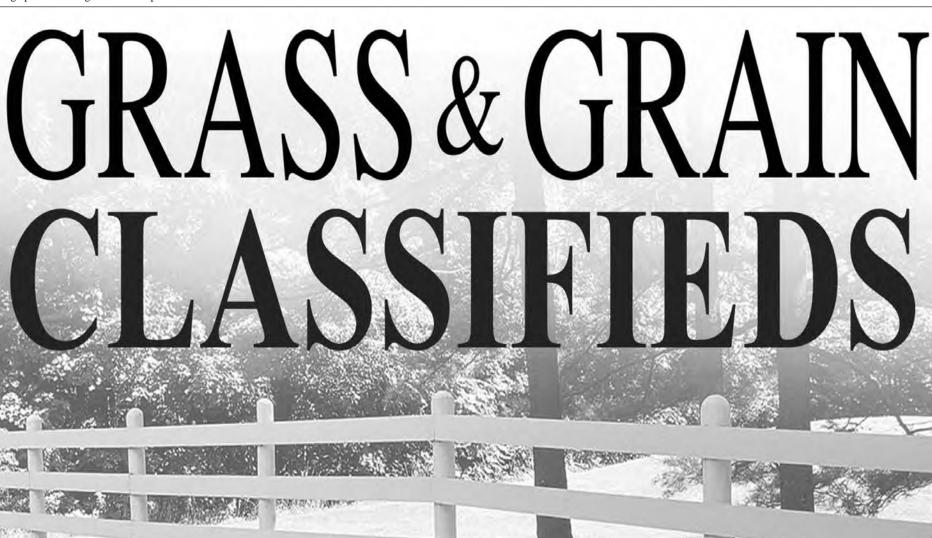
land to improve the habitat needs for Monarch butterflies according to Woodrich.

NRCS is providing funding through the Conservation Stewardship Program (CSP). There will be a fiscal year 2019 CSP application evaluation period for this RCPP project. The application evaluation period will be for applications received by July 26, 2019.

Targeted areas where CSP funds will be available for agricultural producers interested in implementing conservation practices include all counties in Kansas. Funding will go toward conservation improvement practices such as milkweed plantings, pollinator plantings, brush management, prescribed grazing, as well as

For more information, go to the Kansas NRCS website www.ks.nrcs.usda.gov/ programs or visit your local U.S. Department of Agriculture Service Center. To find a service center near you, go to offices.usda.gov. USDA is an equal opportunity provider,

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Grass & Grain, July 2, 2019

Inter-State Fair's Junior Advisory Board sells raffle tickets for VIP seating to Summer Celebration The winning raffle ticket go towards scholarships that There's a chance to win the and Kelsey Wall.

best seats in the house for the annual Coffeyville Summer Celebration.

The Inter-State Fair and Rodeo's Junior Advisory Board (JAB) is selling raffle tickets for the chance to sit in the VIP booth at the arena at Walter Johnson Park, to have the best viewing of the fireincludes seating for 25 in the south stand, plus appetizers and drinks during the Summer Celebration on July 13.

This is the fourth year for the Celebration, which includes a fun run walk and 5K, car show, poker run and cruise, kids power wheels show and cruise and live music by the Backroads Band and the Retro

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Market Report for 6-27-2019.

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BULLS: 2255#-920# \$99.00-\$65.00

SUMMER SCHEDULE:

NO SALES: July 18th - July 25!

Raffle tickets are \$10 each and can be purchased from any JAB board member or through the Coffeyville Chamber of Commerce (620-251-2550). JAB board members include Brittany Monroe, Jack Hill, Kyle Jackson, Nate Osborne, Delaney Pippin, Morgan Rexwinkle, Ani Rexwinkle, Cameron Vail, Harley Rexwinkle

Gail Smith, Andy Duncan and Mike Bradley are the organizers for the event, and Bradley loves giving the JAB youth a way to raise money for their scholarship funds. "I'm for the kids," he said. "Anything that has to do with kids, I'm for. And that bunch of kids is the hardest-working bunch of kids I know."

Funds raised by the JAB

are awarded at the end of the Inter-State Fair and Rodeo. Last year, five youth were awarded scholarships courtesy of the JAB: Dalton Flatt, Madison Gilman, Lane Kabrey, Caleb Mackie, and Mackenzie White. In the three years the JAB has been in existence, \$4.750 in scholarships has been awarded. Scholarships

are given to JAB board mem-

NPPC launches 'Keep America

This year's Inter-State Fair and Rodeo takes place August 13-17 with grandstand entertainment each night.

More information on and tickets for the fair and rodeo can be found by visiting www. fairandrodeo.com or by calling the Coffeyville Chamber of Commerce at 620-251-

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First in Agriculture' campaign ducers Council (NPPC) has launched "Keep America First in Agriculture," a new campaign to highlight the impor-

tance of establishing a proper regulatory framework for gene editing in American livestock. Gene editing technology, which introduces useful genetic variation into food animal breeding programs, promises significant animal health bene-

fits, including a natural immu-

nity to disease and a reduction in the need for antibiotic use. "Gene editing is a huge step forward for America's farmers, as it offers a powerful new way to combat animal disease," said Dr. Dan Kovich, NPPC's deputy director of Science & Technology. "With gene editing, livestock breeders can knock out specific genes that make animals vulnerable to

While countries like Can-

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consumers," he said.

viral infections. Healthier animals benefit both farmers and ada, Brazil and Argentina are moving quickly on this advancement to gain competitive advantage in the market, the U.S. is running the risk of falling far behind as a result of a regulatory land grab by the Food and Drug Administration (FDA). Under FDA regulation, gene editing faces an impractical, lengthy and expensive approval process, threatening hundreds of thousands of jobs and nearly six percent of U.S. Gross Domestic Product.

Additionally, the FDA's regulation inaccurately classifies livestock as drugs and farms as drug-manufacturing facilities, creating significant challenges for the international trade in animals and animal products.

The U.S. Department of Agriculture (USDA) is the only agency prepared to effectively regulate this new technology. It already has a review process in place for genetic editing in plants under

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AUCTION

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Inspection Service (APHIS), which can easily be adopted for livestock. The USDA also has the understanding and history of working directly with livestock and agriculture, unlike the FDA, which regulates packaged food, drugs and medical devices.

"Allowing the FDA to regulate gene editing could drive elite animal breeding out of the U.S., long the international leader, and place U.S. producers at a potentially catastrophic competitive disadvantage with foreign competitors," said Dr. Bradley Wolter, a leading pork producer and president of The Maschhoffs, a company that produces over 4 million market hogs per year. "International competitors that commercialize this technology will gain as much as a 15 percent production efficiency advantage over U.S. pork. It's critical that America remains the global leader in agricultural innovation and gives regulatory oversight to the USDA, the agency that is most equipped

Kansas cattle on feed up 3 percent

Kansas feedlots, with capacities of 1,000 or more head, contained 2.38 million cattle on feed on June 1, according to the USDA's National Agricultural Statistics Service. This inventory was up 3 percent from last year. Placements during May totaled 450,000 head, down 6

percent from 2018. Fed cattle marketings for the month of May totaled 440,000 head, unchanged from last year. Other disappearance during May totaled 10,000 head, unchanged from last year. Access the national publication for this release at: https://usda. library cornell edu/concern/



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Michael Davenport, COO of Rain and Hail and Chairman of the American Association of Crop Insurers, brought

this positive message to Capitol Hill when he testified before the House Agriculture Committee's Subcommittee on General Farm Commodities and Risk Management. Davenport's testimony

highlighted the unique public-private partnership that allows crop insurance to be flexible, affordable, available, and predictable.

By offering a variety of insurance products, federal crop insurance provides growers

with dependable coverage options that fit the requirements of their individual farm. And with new investments in technology and a continuous focus on high-quality customer service, private crop insurers can quickly process claims while keeping costs manageable.

The 2018 Farm Bill helped strengthen the federal crop insurance program, and Davenport thanked the committee for investing in the American

"With the continued bipartisan support for the public-private partnership crop insurance provides, farmers are able to receive a reliable and cost-efficient safety net to protect both themselves and the future of farming," Davenport testified.

The overwhelming success of crop insurance has made it the cornerstone of the federal farm safety net. More than 1 million federal crop in-

surance policies provide more than \$100 billion in coverage across 300 million acres of farmland in all 50 states.

"The bottom line is that the crop insurance program is successfully meeting the needs of thousands of farmers who can tailor their risk management needs to serve them best with the help of a local agent," Davenport said.

And as farmers face sig-

the committee that the private crop insurance industry is standing ready to provide timely assistance and "fulfill the promises of the Federal Crop Insurance Program to each and every farmer who purchased a policy."

Farming can be unpredictable. But the federal crop insurance program provides a reliable safety net that benefits farmers and taxpayers

Getting

By Heather Smith Thomas

The two-year-old year is the toughest time of a cow's life. She's raising her first calf, still growing, and needs enough nutrition and body condition to cycle on schedule after calving. Otherwise, she may end up open or calving late next year. It can be a challenge to get heifers rebred without losing ground in their

calving schedule. She is generally the most valuable and expensive animal in the herd. She has not yet generated any income because her first calf has not yet been sold, but a lot of money has been invested in her — to raise or purchase her. If she fails to stay in the herd, this is a significant financial loss. It pays to invest more management to get her rebred than to start

over with another heifer. Mark and Della Ehlke raise

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Ford 2110 gas tractor w/front

loader; Zipper STS 28hp ze-

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riding mower; Shopbuilt HD 7x18'

flatbed trailer, title; MillerMatic

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purebred Angus and Herefords on their ranch near Townsend. Mont., and have an advantage with two calving seasons.

"With our spring group, we sort those heifers off and put them in a separate pasture so they don't have to compete with the older cows. That way we can feed them a little extra," savs Mark Ehlke.

"We pamper them a little, and they pay it back in a longer life of production. It never pays to shortchange them," he continues. "One old-timer told me years ago that for every dollar you take from a cow, she will reach out and take two dollars out of your wallet!"

The young cows are kept in their own pasture groups until they wean that first calf and into their second gestation. This makes sure they have adequate mineral or any other supplement, he says. The two-

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lection of L&G items, shop tools

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Pics & listing: www.wischroppauctions.com

year-olds are still growing and need a little different nutrition than older cows.

These heifers are wellgrown already because they were selected out of a group that was born from the first calving cycle. Their mothers settled quickly.

"Our fall-calving group is a little different situation. We can take our later-born spring heifers and hold those to breed later, to be in the fall-calving group the next year. By doing that we don't have to worry about keeping them separate from the other cows as firstcalvers, because they are calving on grass and have adequate nutrition," Ehlke says.

Being a little older also helps these heifers recover faster from calving and re-

"With the fall-calving (first-calf) heifers, their calves weigh right up with those from the older cows. That extra bit of age makes a big difference. We now take the fall-born heifers and carry them through to be bred for the spring group," says Ehlke.

Thus, these females will be half a year older when they

Keeping heifers another half year before they calve doesn't help performance-based data, but helps on cow longevity, he says. Fewer fall out of the program, because they are mature enough to recover quickly from calving and rebreed quickly.

The heifers held that extra time period will probably have

average, than the heifers conventionally bred as two-year-

Genetic selection for fertility and early puberty enables producers to readily breed heifers as yearlings, but the downside - if a producer leaves bulls in the herd too long - is that some young heifers that are still on the cows will get bred.

"We try to have a short breeding season," he admits. "Our fall group is 45 days, and we're almost down to that on the spring group, but sometimes we're a few days late because we were out in the hay field and very busy!"

SATURDAY, JULY 13, 2019 — 1:00 PM 602 N. Bluestem Road — LEON, KANSAS

This 1162 sq ft home is ready to move into w/fresh paint throughout. The 24'x30' garage/shop has cement floor & 100 amp service.

Fenced yard, City utilities. Also selling JD 520 tractor w/power steering & 3 pt, runs good;

Don't be late. There is not a lot of personal property. No Buyer Premium

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RURAL, S10, T11, ACRES 158.92, SW4 LESS RD R/W SECTION 10 TOWNSHIP 11 RANGE 10 Property description, terms of sale, bidding instructions and bid form available on our web site or at our office 601 S Broadway, Salina, KS Bids due at our office

Tuesday, July 16, 2 pm For sale bill listing with pictures go to www.soldbywilson.com

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AUCTION

SATURDAY, JULY 13, 2019 • 10:00 AM 12299 NE Price Road — CASSODAY, KANSAS From Cassoday: West on (First Street) NE 150th, 4 miles to Price Road and South 2 ¾ miles.

boat, 55 hp Evenrude, trolling motor, on a tandem trailer; some **TRACTORS** Allis Chalmers 200 diesel wide front tractor with AC Loader, fishing equipment. Cab, 3 pt., good tires, new rear rims; Farmall 400 gas, non run-SADDLES & TACK 4 western saddles; saddle rack

ner; Ford 8N, good tires.
FARM EQUIPMENT

100 gal. field sprayer, aux. 5hp motor, rigged to fight fires and

spray weeds; 200 gal. field sprayer, PTO pump; IH 37 8'

wheel disc; Ford 2 bottom 3 pt.

Plow; 5' rotary mower; metal 10' stock racks; sheep or calf cradle;

6 pipe cattle panels; wire cattle

panels; 2 bale rings; bale spears

and bale carrier; 2 rolls new

TRAILERS

18' tandem flatbed trailer, lights,

elec. brakes, 2" ball; 2 wheel

trailer; older livestock or horse

SHOP ITEMS

BOAT & FISHING

16' aluminum semi V bottom

barbed wire

trailer.

newer spurs, halters, breast collars; leather chaps. COLLECTIBLES

Large cast iron rendering kettle; cream cans; 2 antique stoves, 1 coal & 1 wood; box wagon on rubber; cello; trombone; 6 string guitar.

for 3 saddles; saddle pads, tack

PICKUP

1990 Ford F350, 4x4, flatbed, 4 spd, 1000 miles on rebuilt engine, BUT has had a wiring fire. STORAGE 8x18 metal van truck bed for

OTHER 15 utility poles; used flat metal

10'x36" wide & about 40 sheets pickup topper & pickup "lid"

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has over the competition.

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Across the bed toolbox 70"Lx10"H x 20'W - complete with stainless steel hinges

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nificant challenges this year, Davenport emphasized to

olds. As a group, they have better longevity.

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ESTATE & PERSONAL PROPERTY

SATURDAY, JULY 20, 2019 TIME: Personal Property: 9:30 AM • House & Autos: 11:00 AM

AUCTION LOCATION: Onsite at 12117 John Scott Rd. ST. GEORGE, KANSAS

Want a place with a little elbow room in the St. Georae area? If so, join us for this great auction. With over 3500 sq ft of living space, 4 bed- 🕍

DESCRIPTION



basement, this property has it all as it sits on 2.85± acres. <u>open house: Sunday, July 7 • 1-3 pm</u>

REAL ESTATE Terms: Property sells AS IS, WHERE IS. 5% non-refundable down payment is required day of sale by check

Buyer must be able to close on or before August 20, 2019. Buyer needs bank letter of loan approval or funds verification. Cost of Owners Title Policy to be split equally between Buyer and Seller. All announcements day of sale take precedence over written materials Crossroads Real Estate & Auction LLC is representing the Seller. SELLER: MICHAEL TROUTE ESTATE

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Crossroads ANDREW SYLVESTER, Auctioneer, 785-456-4352

Real Estate TERRI HOLLENBECK, Broker/Owner, 785-223-2947 Real Estate & Auction uc

GLASSWARE & MISC.

Portland #3 w/mold handles

Sponge Ware Crockery (Roy-

al Cumberland/Italy/etc.!), 15

BILL DISBERGER, Broker/Auction Coordinator, 620-921-5642

ESTATE AUCTION #1

SATURDAY, JULY 13, 2019 — 9:00 AM 2110 Harper Bldg. 21 Dg. Fairgrounds (Climate Controlled!) — LAWRENCE, KANSAS er; Billiken Shoes bank; Cat & CROCKERY, COLLECTIBLES,

Mouse Mechanical Bank; Marx Crockery: Dodson & Braun's Fine Pickles St. Louis Pickle Jar pull cat; Bartender/ 2-Rockin-Roll Monkey/Beethoven The Piano Playing Dog/Popcorn Vender ALL Have Original Box-Crock, #2 AJ Buttler/Red Wing/ Ottman Bro's crocks, 1 gal. Prov-Pub Market Co. Prov. R.I., es!; Scale Ford Model T w/box; Roy Roger's Mineral City metal #11/2 & #3 Crocks w/lamps, 10 toy; Lazy-Day Farm metal barn; gal.? Whisky Jug, 1901 #2 but-Star Wars lunch pail & game; ter crock w/lid, crock pitchers Star Trek game; Doll/Miniature/ (Acid Proof/Sletteland & Mik-Salesman Sample Collection: kelsen Holmen WI./etc.!), salt roll-top desk w/chair, cook stove, crocks w/lids, 1901 #2 butter dresser, chest, end table, kitchw/lid, butter crocks & jugs of all kinds! MANY OF THESE HAVE en cupboard, table chairs/many many small miniatures unlisted!; '60s women's Jayhawk pocket BLUE MARKINGS!, Large Selection of Blue & Brown/Tan book; Precious Moments Native American Dolls "Yamka & "Amitola"; porcelain vintage dolls; baby clothes; mantel clocks military medals; fountain pens; Fresh'No-Aire Model #20 fan wooden yarn spools; Champion 6-Lever & Army locks; arrow heads; Am. Boy Scout tin; bridal rosette; covered wooden wagon; post cards; vintage pictures & photos; UNUSUAL Metal Boot Scrape; kraut cutters; wash boards; *Glassware:* Blue Willow/Germany/Carnival/Limoge/ Clear/Ironstone sets/200+ Salt & Peppers sets; Blue Currier Ives set; Puss'n Boots Cookie Jar & Creamer; pottery set; CO-

Roseville crock mixing bowl, Blue Band mixing bowls, Gibson blue dish set, Many Unlisted Crockery!; #40 DaZey w/ Sunflower butter churn; wooden butter churn; Very Large selec-COA Boston Amber Jars; (4) ½ gal. Chemung Spring Water jars; Beaver chocolate metal mold; Harvest Moon Produce thersewing items; quilts; kitchen mometer; Advertising Tins: primitives of all sorts; Books:

White Swan Spices, Edgemont Crackers, Cocoa, Red Wolf 1913 Law. Today & Yesterday Paper, McGuffey's, Lawrence/ coffee, Dr. Johnson's Crackers, Baldwin/Eudora/Vinland/KS/ Gillette Razors, Golden Rule Marshmallow, Union Leader Tobacco; Cast-Iron: Cats/Door Western/Cook/Many More! Time Life Leather Western Set sheet music; very large selec-Stops/Boxer/Banks/Donkey/ tion of costume jewelry; box lot Horse & Chariot; Arcade Moditems; numerous items too el T & Fordson Tractor w/drivmany to mention! Auction Note: This is 1st of 2 Auctions as Waneta decorated her

AUCTION! Many Unlisted Items especially Miniature & Cat items! TWO Auctions Rings! Plan on Spending ALL DAY! Concessions: Worden Church Ladies **SELLER: WANETA D. TURNER ESTATE**

Auctioneers: Mark Elston & Jason Flory

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tion wooden molds Springerle/ etc.; butter paddles w/handles; large Well Bucket Pail; dough cutters: 5 piece wooden dough bowl set; numerous Firkin buckets/pails (some w/lids); vintage baskets of all sizes; enamelware (Blue Swirl/Grey); 26" Tindell's Hatchery (Burlingame, KS) embossed sign; 25" Leaf Spearmint Chewing Gum sign; Bread Daily sign; Orange Crush sign; Coca-Cola round thermometer;

Nikkel wins Beef Improvement Federation's Roy Wallace Scholarship the agricultural policy world,"

The Beef Improvement Federation (BIF) presented a Roy A. Wallace Memorial Scholarship to Taylor Nikkel June 19 during the group's annual meeting and symposium in Brookings, South Dakota. These scholarships were established to encourage young men and women interested in beef improvement to pursue those interests as Wallace did, with dedication and passion.

Taylor Nikkel, Maple Hill, Kansas, is this year's undergraduate winner. She will graduate from Kansas State University (K-State) in May 2020 with a degree in agricultural economics.

During her time at K-State, Nikkel has taken opportunities to learn more about agricultural policy and law. In the fall of 2018, she attended the Agriculture Future of America (AFA) leadership conference,



Nikkel, Maple Hill, were presented Roy A. Wallace Memorial Scholarships June 19 during the Beef Improvement Federation annual meeting and symposium in Brookings, South Dakota. Pictured with Crites and Nikkel (center) are Norm Vincel (left) and Brian House (far right) of Select Sires Inc. which helped her connect with interned with the U.S. Sen-

peers who had similar interests in pursuing a career path of

This past semester, Nikkel

next step to further exploring

ate Committee on Agriculture, "The opportunity was the

The Roy A. Wallace Beef

Nikkel says. "I am so grateful to learn from our nation's pol-

This summer, Nikkel accepted an opportunity to work with Farm Credit Mid-America as a government and legislative affairs intern. Upon completion of her undergrad degree, she plans to pursue a law degree that will allow her to better analyze and understand legislation that affects the industry.

in the industry and to utilize my knowledge and experience to serve and lobby for America's farmers and ranchers," Nikkel says. "I hope that by continuing to learn and make connections, I will one day be able to help convey their needs and wants to our nation's lawmakers."

"My career plan is to stay

the other to a graduate student. Criteria for selection include a demonstrated commitment and service to the beef cattle industry and a passion for the areas of beef breeding, genetics and reproduction, academic performance, and personal character. More than 500 beef producers, academia and indus-

try representatives attended the organization's 51st annual convention. BIF's mission is to help improve the industry by promoting greater acceptance of beef cattle performance evaluation

For more information about this year's symposium, including additional award winners and coverage of the meeting and tours, visit BI-Fconference.com. For more information about BIF, visit Beefimprovement.org.

American Farmland Trust launches the 11th annual Farmers Market Celebration across America The celebration is a national farmland and farmers. icans eating healthy, locally ers. Market-goers can use

American Farmland Trust, the organization behind the national movement No Farms No Food®, announces the launch of its eleventh annual Farmers Market Celebration, which runs through Sept. 23.

ANTIQUES & COLLECTIBLES

2 Oak step back cupboards; 2 oak drop front desk; oak

parlor table; 2 oak commodes;

oak dresser; iron bed; library

table; Howard Miller clock;

wicker blanket chest & 2 ta-

bles; several camel & flat top

trunks; night stand; curio cab-

inet; Jenny Lind baby bed;

bridge lamp; assortment pictures inc: Maleta Forsberg; BB

guns; child's rocker; school

desk; assortment crocks inc:

bowls, pitchers, jars; Persian

rugs: wooden bowl: cast iron

pieces; Raymar limited prints;

effort to promote the importance of local food and the role that agriculture plays in our communities, while also raising awareness about the challenges facing America's

Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS

rooster weather vane; Water-

berry clock; 10 sets silverware; Lladro & other figurines; brass

lamp; oil lamps; quilts; assortment linens & fancy work;

bed spread; buttons; Christ-

mas decorations; clock shelf; sewing items; German china

pieces; Iris pitcher & glasses;

pink Depression ice buckets;

cookie cutters; brass master

water meter; Fisher Price cir-

cus wagon; assortment toys;

dolls; games; copper boiler;

wood barrel; wood orange

crates; wood pop cases; print-er drawer; typewriters; sled;

bicycles; flags; pens; fishing NOTE: We have combined 4 estates, there are many nice antiques and a good collection

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC

of tools. Check our website at www.thummelauction.com for pictures.

agricultural policy.

SATURDAY, JULY 13, 2019 -

"There is no better way to

Nutrition and Forestry.

celebrate the people that feed us than by supporting your local farmers' market. Since 2008, every summer, AFT has highlighted farmers and Amer-

items; wood churn; wash tub;

pitcher pump; well pump; cast iron kettle & pots; assortment

tools; assortment of other col-

TOOLS

Craftsman tools: 5hp air compressor; 10" table saw; 12" band

saw; router w/table; spindle

sander; 3 hp compound miter;

4" belt 6" disc sander; brad stapler; Dewalt chop saw; Delta jig saw; *Duracraft* drill press, 12"

wood lathe; lathe tools; grinder

on stand; 3" vise; aluminum

extension ladder; other hand

tools; work bench; CH pressure

grown foods to call attention to the important role that farmers' markets play in communities across the nation," says Alex Johnson, AFT member coordinator. He continues, "The Farm-

ers Market Celebration encourages market-goers, farmers and anyone else who believes in the power of local food to endorse their favorite market. At the end of the celebration, AFT will present awards to the top markets in each region of the country. AFT will also recognize a national "People's Choice" winner from the top regional markets."

AFT's 2012 "Farming on

the Edge" analysis showed the food we eat is often produced closest to urban communities - 81% of food sold directly to consumers (based on market value) comes from farms adjacent to metropolitan areas and small cities. Unfortunately, the land on which it is produced is the land most under pressure from development. To protect our society's access to local food, AFT works to save the land that sustain us by protecting farmland, promoting sound farming practices and keeping farmers on the land.

(BIF) Memorial Fund was es-

tablished by Select Sires to

honor the life and career of

Roy Wallace. Wallace, who

worked for Select Sires for 40

years, served as vice president

of beef programs and devoted

his life to the improvement

of beef cattle. He became in-

volved with BIF in its infancy

and was the only person to

attend all of the first 40 BIF

conventions. He loved what

BIF stands for — bringing

together purebred and com-

mercial cattle breeders, aca-

demia and breed associations,

all committed to improving

both the BIF Pioneer Award

and BIF Continuing Service

Award, and he co-authored the

BIF 25-year history, Ideas into

Action. Two \$1,250 scholar-

ships are awarded each year,

Wallace was honored with

As part of the celebration, AFT will showcase winning markets from past years and stories from patrons and farm#OnMyFork on social media to share experiences from their local market and bolster its chances of winning "People's Choice." All summer long the celebration will highlight the importance of patronizing local farmers and ranchers and enjoying the freshness, nutritional value and flavor of local food. Join the conversation on AFT's social channels-Facebook, Twitter and Instagram!

To vote, post and share stories from your local farmers' market, visit markets. farmland.org. The celebration, which began June 27, closes on Sept. 23, 2019, at midnight Eastern time.

Mexico becomes first country to ratify USMCA tee Ranking Member Kevin

On Wednesday, June 19 the Mexican Senate passed the United States-Mexico-Canada Agreement, becoming the first country to ratify the new trade

In a statement, U.S. House Ways and Means Commit-

Brady (R-The Woodlands) praised Mexico and reiterated Congress' need for swift action.

"Today's action, combined with passage of Mexico's landmark labor legislation earlier this spring, demonstrates Mexico's solid commitment to serious reform and tough new rules to create fairer trade.

Moving?

Now it's time for the U.S. Congress to pass USMCA as soon as possible to unlock the benefits of this agreement for U.S. workers and our local businesses. The longer Congress delays, the more our country loses out on new jobs, more customers for Made-in-America goods, and a stronger economy," Brady said.

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Wednesday Sale, Hogs NOON • Cattle 12:30 PM

NO SALE HELD **JUNE 26th, 2019**

NEXT SALE: Wed., July 10th



please call & we will be happy to discuss it with you.

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

A SALE WAS HELD TUESDAY, JUNE 25TH.

CONTACT THE BARN FOR RESULTS.

Tues., July 2nd - NO SALE

Sat., July 6th - Sheep & Goat Sale Tues., July 9th - Cattle Sale



Clay Center, Ks • Barn Phone 785-632-5566 **Clay Center Field Representatives:** Tom Koch, 785-243-5124 Lance Lagasse, 785-262-1185



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2	mix543@127.00	9 bkbwf938@111.50
HEIFERS		7 blk1001@108.50
2	blk390@146.00	STEERS
2	blk313@139.00	5 blk403@172.00
4	mix455@138.00	5 red431@111.00
2	blk458@134.00	3 blk530@155.00

2 red420@105.00 11 blk........604@149.50

2 blk.........530@147.00 4 mix........653@143.00 13 blk.......593@143.00 29 blk.......679@142.50 4 mix.......573@133.00 8 blk......779@135.50

5 mix.............558@112.00 2 Char........780@133.00 7 blk......629@135.00 NO SALE JULY 3rd DUE TO HOLIDAY!

NEXT SALE JULY 10th CONSIGNMENTS FOR JULY 17

102 mix strs. 800-850 lbs.

CONSIGNMENTS FOR JULY 24

285 mix hfrs, 775-850 lbs.

320 blk & Char hfrs, 800-875 lbs. 285 blk strs, 850-925 lbs.



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By Jody G. Holthaus, District Extension Agent, **Livestock and Natural**

Resources With a lot of moisture and

warm weather, the flies are

coming on fast. Horn flies are small in size and are usually found on the backs, sides and poll area of cattle. During a warm summer afternoon, they can be found on the belly region of cattle. Horn flies, both male and females, acquire more than 30 blood meals per day After mating the female fly will leave the animal to deposit eggs in fresh cattle manure. Eggs hatch within one week, and larvae feed and mature in the manure, pupating in the soil beneath the manure pat. Newly emerged horn flies can travel several miles searching for a host. The entire life cycle can be completed in ten to

Economic losses associated with horn flies are estimated at more than \$1 billion dollars annually in the United States. Horn fly feeding causes irritation, blood loss, decreased grazing efficacy, reduced weight gains, and diminished milk production in mother cows. Additionally, horn flies have been implicat-

20 days depending upon the

ed in the spread of summer mastitis.

Studies conducted in the U.S. and Canada have shown that horn flies can cause weight gain loss in cattle, and calf weaning weights can be negatively impacted from four to 15 percent. Studies conducted in Nebraska have established calf weaning weights were ten to 20 pounds higher when horn flies were controlled on mother cows. The economic injury level (EIL) for horn flies is 200 flies per animal. Yearling cattle can also be affected by the horn fly; other studies have shown yearling weights can be reduced by as much as 18 percent.

There are many insecticide control methods available to manage horn fly numbers; backrubbers, dust bags, insecticidal ear tags and strips, pour-on, oral larvicides, low-pressure sprayers, mist blower sprayers, and the Vet

Backrubbers and dust bags are an effective way to reduce horn fly numbers if cattle are forced to use them.

Insecticide ear tags and strips are a convenient method of horn fly control. However, many horns fly populations in Nebraska exhibit a degree resistance to the pyrethroid class of insecticides. The recommended management practice to maintain horn fly control is to rotate insecticide

Animal sprays and pour-on products will provide seven to 21 days of control and will need to be reapplied throughout the fly season.

Oral larvicides prevent fly larvae from developing into adults. An important factor when using an oral larvicide is insuring steady consumption. An additional complicating issue using an oral larvicide is horn fly migration from neighboring untreated herds which can mask the effectiveness of an oral larvicide.

The Vet GunTM applies an individual capsule of insecticide to an animal and can provide control between 21 and 35 days.

Face Flies: Face fly adults closely resemble house flies except they are slightly larger and darker than the house fly. The face fly is a non-biting fly that feeds on animal secretions, nectar and dung liquids.

Face flies are present throughout the summer but populations usually peak in late July and August. Face flies are most numerous along waterways, areas with abundant rainfall, canvon floors

with trees and shaded vegetation, and on irrigated pastures. Female face fly feeding causes damage to eye tissues, increases susceptibility to eye pathogens, and vector Moraxella bovis, the causal agent of pinkeye or infectious bovine keratoconjunctivitis. Pinkeye is a highly contagious inflammation of the cornea and conjunctiva of cattle. If coupled with the infectious bovine rhinotracheitis (IBR) virus, M. bovis can cause a much more severe inflammatory condition. Controlling face flies is essential in reducing most pinkeye problems.

Achieving adequate face fly control can be difficult because of their habit of feeding around the face and the significant time they spend off the animal. Control is maximized when the cattle receive daily insecticide applications by either dust bags, oilers, sprays, or an insecticide impregnated ear tag/strip. Ear tags/strips should be applied at the label recommended rate. Both cows and calves must be treated if control is to be achieved.

Pinkeye vaccines are available and should be considered if face flies and pinkeye have been a recurring problem. Currently, commercial and autogenous pinkeye vaccines

Be on guard for horn flies and other parasites in ca the proper moisture is present.

are available; please check with your local veterinarian about the use of these products in your area.

Stable flies are serious pests of feedlots and dairies and of pasture cattle. The stable fly is a blood feeder, mainly feeding on the front legs of cattle, staying on the animal long enough to complete a blood meal. Their bites are very painful; cattle will often react by stomping their legs, bunching at pasture corners, or stand in water to avoid being bitten.

The female stable fly deposits eggs in spoiled or fermenting organic matter mixed with animal manure, soil, and moisture. The most common developing sites are in feedlots or dairy lots, usually around feed bunks, along the edges of feeding aprons, under fences, and along with stacks of hay, alfalfa, and straw. Grass clippings and poorly managed compost piles also may be stable fly developing sites. Winter hay feeding sites where hay rings are used can often be a source for larval development through the summer if

Stable flies cause similar weight gain losses to both pasture and confinement cattle. University of Nebraska research recorded a reduction in average daily gain of 0.44 lbs. per head with animals which received no insecticide treatment compared to animals which received a treatment. The economic threshold of five flies per leg is often

exceeded in Kansas pastures. The only adult management option available for the control of stable flies on range cattle is the use of animal sprays. Sprays can be applied using a low-pressure sprayer or can be applied with a mist blower sprayer. Weekly applications of these products will be required to achieve a

reduction in fly numbers. Sanitation or clean-up of wasted feed at winter feeding sites may reduce localized fly development. If sanitation is not possible these sites may be treated with a larvicide (Neporex®). But, the application of either procedure may not totally reduce the economic impact of stable fly feeding.

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1 Char

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8 blk

9 blk

12 blk

1 blk

1 blk

1 blk

1 blk

1 blk

1 bwf

2 bk bwf

Kansas State University study looks at pain relief for piglets from medicated mother's milk New findings by researchers at the Kansas State University

College of Veterinary Medicine suggest potential pain relief for piglets by administering medicine through the act of nursing.

The scientific methodology is formally referred to as "transmammary delivery." The basic concept involves injecting a sow with pain-relieving medicine that can be ingested by the sow's piglets through the milk.

Hans Coetzee, head of the anatomy and physiology department in the College of Veterinary Medicine, and his collaborator are the principal investigators of a multi-institutional research

"In the swine industry, piglets regularly undergo painful procedures such as tail docking and castration, which have become an emerging animal welfare concern," Coetzee said. "We hypothesized that transmammary delivery of a nonsteroidal anti-inflammatory drug, or NSAID — in this case, firocoxib — would reduce pain associated with processing in piglets. Our findings stress and enhance production by increasing weaning weights."

Coetzee's team consisted of researchers from Kansas State University's Institute of Computational Comparative Medicine and Department of Mathematics, Iowa State University and Midwest Veterinary Services Inc., the latter of which is operated by Kelly Lechtenberg, a 1987 alumnus of the College of Veterinary Medicine. His research was funded by the National Pork Board, grant No. 16-118.

In addition to pain-relief benefits for the piglets, Coetzee contemplates a potential benefit for the mothers.

Additional large-scale studies could focus on changes in feed intake, body weight and milk composition of sows medicated with firocoxib," Coetzee said. "By doing so, we could determine whether the NSAID improves the welfare of the sows in addition to impacting the welfare of the nursing piglets."

The study was published in the Journal of Animal Science, "Transmammary delivery of firocoxib to piglets reduces stress and improves average daily gain after castration, tail docking,

indicated this technique may safely reduce processing-induced and teeth clipping." **Pork Quality Assurance Plus revisions now in effect**

Revisions to the Pork Quality Assurance® Plus (PQA Plus®) 4.0 are now effective. The updated program reflects pork producers' commitment to continuous improvement and features two training options - first-time and recerti-

"Pork producers are committed to the six We CareSM ethical principles because we want to do what's best for people, pigs and the planet," said David Newman, incoming National Pork Board president and a pork producer from Jonesboro, Arkansas. "This program has been a collaborative effort between producers, packers and industry representatives for over 30 years."

New research information has been incorporated into the latest version to increase the program's effectiveness and to help ensure its validity with customers and consumers. Pork producers remain focused on providing a safe, high-quality product while promoting animal well-being, environment stewardship and public health.

The PQA Plus enhancements include:

First-time certification provides new caretakers with the basic knowledge and education needed to work in the industry. The 75-minute presentation includes core content needed to be successful in the

Recertification training gives experienced caretakers the opportunity to renew their certification in a scenario-based setting with their advisor or online.

Advisors can customize a portion of the training to fit the caretaker or group, based on experience and skills that need to be refreshed. Beyond core training, additional content is available for advisors to focus

STEERS

on particular production areas.

Producers may complete first-time or recertification training online through interactive learning modules. The online training modules, divided into the six We Care ethical principles, are each two to 14 minutes long.

To help producers prepare for a foreign animal disease, a Secure Pork Supply resource is included in the updated POA

For more information on the revised PQA Plus program, visit pork.org/certifications.

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Nitrogen: a farmer's analysis in soil nitrogen chemistry

By James Coover, Crop Production Agent, Wildcat **Extension District**

In previous articles we nave talked about (P) Phosphorus), we have talked about (K) Potassium, but now we continue on this journey to alk about the big one, (N) Nitrogen. This is good timng because nitrogen losses in corn production are currently a very relevant topic. However, ike in the previous P and K articles, this one is going to be about nutrient chemistry and ncrease nutrient understandng, rather than just a current ssue in agronomy. Nitrogen s by far the most applied, the nost necessary, and it also he most difficult to quantify. The reason for its elusiveness s because it is mobile within the soil, it's always changing forms, and can have gaseous osses (unlike P or K). To realy get a handle on what is curently happening with nitrogen n the corn fields, right now

Nitrogen Forms

pieces as play.

Ag producers know the forms of nitrogen, but should be covered just for completeness. Atmospheric nitrogen,

we need to understand all the

N2, is where it all starts and where it all ends up. It's highly stable so it takes microbes or human vast quantities of energy to convert it into a usable form. This form is usually ammonia or ammonium, neither of which is absorbable by plants in meaningful quantities. Microbes convert ammonium into nitrate, NO3, which requires oxygen. This is called nitrification. In waterlogged soil where microbes can't get to oxygen, they use nitrate to breathe instead, converting NO3 to N2O or N2 which are both gases that leave the soil. This is call denitrification. It is important to note that denitrification (NO3 □ N2) is not the opposite of nitrification (NH4 \square NO3). Also the process of nitration leaves the hydrogen behind, which is why nitrogen fertilizer acidifies the soil.

Fertilizer Types Unlike every other nutri-

ent, fertilizer type is an important part of understanding nitrogen because it all behaves differently in the soil. The most common types of nitrogen fertilizer are anhydrous ammonia, urea, UAN (urea ammonium nitrate), and the DA part of DAP (Di-Ammonium Phosphate). Anhydrous ammonia chemical formula is NH3. Note that ammonium is NH4 and ammonia is NH3 but this transition from NH3 to NH4 is fairly quick, taking a couple of weeks at most and doesn't require microbes. However before that happens, the NH3 is a toxic gas that suppresses microbes and kills crop seeds. Urea's chemical formula is complex, CH4N2O, but no need to worry because microbes convert it into ammonium. UAN is a mix of urea, ammonium and nitrate. The nitrate part is an important distension because it's already in the usable, a potentially losable, nitrate form. N-serve, encapsulation or other forms of nitrification inhibitors work by slowing down the microbes from converting ammonium into nitrate.

Nitrogen In the Soil

Each form of nitrogen moves differently in the soil. The ammonia in anhydrous is a gas but easily dissolves in water. This is why the application conditions when is applied is important because if it can escape the knife without touching the water in soil, it's gone. Ammonium is a cation

that adsorbs onto soil surfaces, which is why is mostly immobile in the soil. Only nitrate, being an anion, moves with the water it is dissolved in.

Nitrification and Denitrifi-

Both nitrification and denitrification requires certain conditions to be present for microbes to perform their processes. Like previous mentioned, nitrification requires oxygen, but the process is sped up with warm temperatures, reaching an optimum at 75 to 80 degrees F and somewhat slowed down in acidic soils below 6.5 pH. At the point of anhydrous injection, the microbes are suppressed for a while, which also slows down nitrification. In a way, anhydrous is its own nitrification inhibitor. Denitrification also speeds up in warm temperatures, but requires a lack of oxygen. Except when the soils are frozen or extremely dry, there is always some nitrification and denitrification happening and often at the

The Current Nitrogen Sit-

The importance of the

our soils have been incredibly waterlogged for weeks, which would normally have huge denitrification losses, the ammonium fertilizers will have stayed safe because the microbes never got the oxygen they needed to convert it into nitrate. It is hard to determine how much fertilizer we have lost due to denitrification. It is likely a large portion of the nitrates have been denitrified but only 25% or less ammonia has converted to nitrate. Higher parts of the fields could have received more oxygen but were also less waterlogged. It is likely that nitrogen levels, both ammonium and nitrates, are very uneven throughout a field. It is hard to soil test for nitrogen during a growing season because much of it is "hiding" on soil surfaces and in different forms. Also, normal nitrogen soil test will only test for nitrate. The ammonium soil test is a separate, additional soil test add on. Corn only needs small amounts of nitrates during its early vegetative stages but then increases dramatically, shortly before

get to the available nitrogen, which is why it is greened up when the soils dried out. I personally suspect that before it is all done we will have a fairly high denitrification year. It is difficult to tell if corn will need a top-dressed application. If you suspect it will need it, or want to play it safe anyways, 30 to 50 lbs N per acre can be side dribbled anytime in the few weeks before tasseling. Ideally, leave a strip or two of the field without top-dressed application and another where it is doubled as check strips. This only gives you an answer after the fact so it is more of

learning observation thing. This detailed focus on the soil chemistry of nitrogen is intended to give a whole picture view about what is going on in the field, rather than just fertilizer rate prescriptions. If you have any questions about top dressing nitrogen on corn or other crop fertility questions, please give me a call.

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

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Master Gardener basic training is a comprehensive

DETAILS

classes presented by K-State specialists and local Extension agents. Class topics include botany, vegetable and fruit gardening, insect and disease issues, annual and perennial flowers, woody plants, and more. Classes in the Wildcat District are held during the day on Fridays from 9 a.m. to

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All participants in the Wildcat Extension District's Master Gardener program must have graduated from high school or have a GED, and must submit to the District's 4-H volunteer background screening. Please contact Jacob Weber for complete information about this program; applications must be received by September 6,

Wildcat District Offices: Altamont, (620) 784-5337; Girard, (620) 724-8233; Independence, (620) 331-2690; Fredonia, (620) 378-2167.

For more information, contact jweber@ksu.edu, Horticulture Agent, jweber@ksu. edu, (620)724-8233



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2 blk bulls

4 x-bred strs 824 @ 121.00 60 mix strs 956 @ 120.85 61 mix strs 981 @ 119.00 2 blk strs 905 @ 117.00 3 blk strs 1017 @ 116.00

HEIFER CALVES 15 blk/bwf hfrs 458 @ 152.00 1 bwf hfr 520 @ 134.00 1 blk hfr 375 @ 131.00 STOCKER & FEEDER HEIFERS 5 blk/sim hfrs 562 @ 138.00 59 blk/wf hfrs 855 @ 123.00 66 mix hfrs 755 @ 120.00 2 blk hfrs 678 @ 116.00 1 blk hfr 770 @ 112.00 893 @ 123.10 54 mix strs 1 blk hfr 630 @ 110.00 845 @ 123.00 1 blk str 1 blk hfr 950 @ 106.00

Auction 1105 @ 103 00

1165 @ 94.00

COWS & HEIFERETTES 1 blk hfrt 1050 @ 87.50 1545 @ 78.50 1 blk cow 1590 @ 78.00 1 blk cow 1 bwf cow 1600 @ 77.50 1470 @ 77.00 1 sim cow 1585 @ 76.50 1 blk cow 1518 @ 75.50 2 blk/bwf cows 1475 @ 74.00 1 blk cow 1497 @ 73.00 3 blk cows 1265 @ 71.50 1 blk cow 1490 @ 70.00 1 blk cow 1480 @ 68.50 1 blk cow 1335 @ 68.00 1 blk cow

1 blk cow 1355 @ 65.50 1408 @ 65.00 2 blk cows 1185 @ 64.00 1 bwf cow 1265 @ 63.50 1 char cow 1105 @ 63.00 1 blk cow 1381 @ 62.50 4 blk cows 1345 @ 62.00 1 blk cow 1 red cow 1140 @ 60.00 1170 @ 59.50 1 blk cow 1195 @ 58.50 1 bwf cow 1065 @ 58.00 1 bwf cow 1130 @ 57.50 1 blk cow 1295 @ 57.00 1 blk cow 1260 @ 56.50 1 red cow 1180 @ 55.50 1 blk cow 1265 @ 55.00 1 red cow 1045 @ 54.50 1 shtn cow 1270 @ 67.00 1 blk cow 1330 @ 54.00 965 @ 53.00 1210 @ 66.00 1 blk cow

10:30 AM

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

Tuesdays

1 blk bull 2025 @ 85.50 **BRED COWS** 1 blk bull 1845 @ 82.50 @ 710.00 1 blk cow 1 blk bull 2025 @ 82.00 1 bwf cow @ 700.00 1 blk bull 2135 @ 81.50 @ 650.00 1 blk cow 1 blk bull 1900 @ 81.00 1 blk bull 1615 @ 79.00 **COW/CALF PAIRS** 1 blk bull 1780 @ 78.50 @ 1100.00 1 wf cow/cf 1 red bull 2005 @ 77.50 1 blk cow/cf @ 1060.00 **BULLS** 1905 @ 75.00 1975 @ 88.00 1 blk bull

NO SALE TUESDAY, JULY 2! Due to Fourth of July Holiday!

CONSIGNMENTS FOR JULY 9:

- 75 black heifers, 725-750 lbs. 62 black heifers, 800-825 lbs.
- 62 black steers, 875-900 lbs. 60 black steers, 925-950 lbs.
- 61 black crossbred steers, 950-975 lbs.

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

FOR INFORMATION OR ESTIMATES: ST. MARYS, 785-437-2785 **REZAC BARN DENNIS REZAC**

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

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TOPEKA, 785-608-4005 ST. MARYS, 785-456-4943 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**