By Ron Suppes, **Dighton**, Kansas

Australia has the best trade agreement in wheat imaginable. It is with the United States and the kicker is, they didn't have to lift a finger to get it, we gave it to them. We should do our best to hire those trade negotiators away from Australia to work on our behalf, but it is not possible to do so, for thev don't exist. There is

Guest Editorial

no written agreement on paper; we have decided as a country not to compete with them in most wheat markets in the world pertaining to Hard White wheat.

The reason Australia has a so-called "corner on the market" is because they grow Hard White wheat primarily for the international market. We, as a country, also grow Hard White wheat, with even better qualities than Australian Hard White, but we have for some reason or reasons decided to produce only enough for our domestic market, thus leaving the international market basically untouched by our grain.

In doing so we have, in a sense, provided an unwritten agreement to other countries - such as Australia and Canada - that we will not really interin Hard White wheat. The HW wheat market is growing, as evidenced in Nigeria where Australia has taken a portion of the U.S. Hard Red wheat market and replaced it with white wheat.

fere with the world market

There are countries such as Nigeria. Taiwan. Korea and many South American countries that are looking for Hard White wheat for its whole grain qualities, but we are allowing them to look elsewhere, rather than growing it here in this country. We are content to compete

with Russia, the Ukraine, and other countries on a bulk commodity low value product. It is a competition in which the way to make the sale is to be the low price producer.

Grass & Grain, November 28, 2017

There is no reason to compete as a low price producer when we - as Kansas farmers - have an option. That option is also available to other Hard Red Winter wheat states. If Kansas, along with several other Hard Red Winter wheat producers, would commit at least a third of our red wheat production to white wheat production.

we would show our international buyers that we are not only serious about producing Hard White wheat, but that we would be a reliable supplier.

Page 13

In doing this, we could eliminate over 70 percent of our wheat competitors, as only Australia and Canada currently grow Hard White. We would be able to move our product, rather than store it sometimes for over a year at a time. It is time for our farmers to let the grain industry know that we would like to make a change.

U.S. pork maintains a positive presence at Food and Hotel Malaysia

Working to maintain U.S. pork's presence in a challenging market was the goal for USMEF at Food and Hotel Malaysia, a biennial trade show held this year in Kuala Lumpur. Funding for the trade show, which offered USMEF and its members opportunities to meet with many Malaysian importers and traders. was provided by the USDA Market Access Program (MAP) and the Pork Checkoff.

On the surface, Malaysia appears to be a prime

population exceeding 30 million. More than 60 percent of that population is Muslim, however, which means opportunities for pork consumption growth are limited.

"Still, pork continues to be very popular among the residents and consumers who do eat it," said Sabrina Yin, USMEF director in the ASEAN region.

Yin puts Malaysia's per capita pork consumption at about 17 pounds per vear. But when considering the country's red meat market, with a large Muslim population, this means the country's non-Muslims consume about 43 pounds of pork per year.

To meet Food and Hotel Malaysia's display requirements, USMEF placed "non-halal" signage at its booth decorated with U.S. pork educational materials. USMEF also had to refrain from providing pork tasting samples.

"So in order to reach the buyers and importers at the show, we invited them to our booth to answer sales inquiries," said

Yin, who noted that Meat and Livestock Australia (MLA) was the only other foreign meat organization at this year's show. MLA's booth was in the Culinary Competition Hall with a product display of Australian beef and lamb.

Food and Hotel Malaysia's 2017 edition was held in conjunction with Culinaire Malavsia 2017 and featured more than 1.250 companies from 50 countries. There were 12 country-specific pavilions hosted by the U.S., Algeria, Belgium, China,

Japan, Korea, Libya, the Philippines. Singapore. Taiwan, Tunisia and Turkey. The show attracted 23,823 trade visitors from 57 countries, an increase of 13 percent compared to the most recent show in 2015

USMEF distributed educational materials and brochures on U.S. pork and beef and handed out U.S. beef samples to visitors.

Despite significant challenges, Yin sees potential for U.S. pork in Malaysia.

"A growing number of independent restaurants serve Malaysia's non-halal consumers, including thousands of Chinese establishments," she said. "We need to keep U.S. pork on the minds of consumers and on the minds of restaurant and foodservice operators. We won't make huge strides overnight, but we can grow exports of U.S. pork steadily by reminding Malaysians about the quality and the availability of the product."

Kansas State Veterinary Diagnostic Laboratory hires pathology, parasitology specialists to enhance services and expertise

New hires to the Kansas State Veterinary Diagnostic Laboratory diagnostic team have helped enhance services the lab provides. The lab is part of Kansas State University's College of Veterinary Medicine.

Four pathologists and one parasitologist recently joined the lab, which delivers accurate, innovative and timely diagnostic and consultative services to the veterinary and animal health community in Kansas and the nation.

"This is a diverse group that will ultimately help us shorten turnaround time as well develop new tests and protocols in both pathology and parasitology," said Jamie Henningson, interim director of the lab. "Additionally, their knowledge base and enthusiasm will help the Kansas State Veterinary Diagnostic Laboratory grow into new areas of diagnostic medicine."

The following individuals are new hires at the lab:

· Sarah Schneider is an anatomic pathologist who attended veterinary college at the University of Tennessee. She then practiced small animal medicine in Beaufort, South Carolina, for three years before returning to a residency in anatomic pathology at Texas A&M University. Schnieder was board certified in anatomic pathology in 2013, and continued teaching on the necropsy service at Texas A&M while pursuing a doctorate focused on cardiomyopathy in the golden retriever model of muscular dystrophy.

• Cindy Bell, an anatomic pathologist, grew up in hog and corn country in northwestern Illinois. She said she found veterinary medicine to be the ideal intersection for someone with a brain for biology and a heart for promoting healthy rural economies. As an anatomic pathologist, Bell spent five years at the Wisconsin Veterinary Diagnostic Laboratory where dairy cattle constituted the majority of case work. She also augments her credentials as a poultry pathologist and has distinguished herself in veterinary oral/dental pathology. She is currently faculty supervisor of the Kansas State Veterinary Diagnostic Laboratory histology and immunohistochemistry laboratory.

• Brian Herrin, a parasitologist, is originally from Lindsay, Oklahoma, and has completed both his Doctor of Veterinary Medicine and doctorate at Oklahoma State University. While his current research focus is on the epidemiology of Lyme borreliosis in humans and dogs in North America, he is also interested in the evaluation of diagnostic assays for tick-borne diseases and surveillance of ticks and tick-borne diseases from horses. Herrin said he enjoys working with all parasites of veterinary importance through the diagnostic service and teaching/ outreach opportunities. He is currently overseeing the Kansas State Veterinary Diagnostic Laboratory parasitology laboratory and has already made a change to improve antigen detection in heartworm testing.

• Nora Springer, a clinical pathologist, is a 2008 graduate of the Kansas State University College of Veterinary Medicine. She subsequently completed residency training in veterinary clinical pathology and a doctorate in comparative oncology and translational medicine, both at Cornell University. Springer's clinical and research interests are focused on hematopathology and hematopoietic neoplasia, particularly lymphoma and acute leukemias.

· Diana Schwartz, a clinical pathologist, earned her Doctor of Veterinary Medicine from the University of Minnesota in 2013. She then participated in a clinical rotating small animal internship at the Sacramento Veterinary Referral Center before completing a residency in clinical pathology at the University of California, Davis, Schwartz's main focus is on diagnostic service, with particular areas of interest including acute phase proteins and central nervous system neoplasia in dogs and cats. In August 2017, she passed the American College of Veterinary Pathologists board examination for clinical pathology.

The Kansas State Veterinary Diagnostic Laboratory is a full-service, American Association of Veterinary Laboratory Diagnosticians-accredited laboratory, offering a complete range of diagnostic services for all species. For more information about this group of new specialists, please visit the lab website at ksvdl.org/.



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

SPECIAL COW SALE DEC. 13 NO SALE LAST FRIDAY Starting at 11:00 AM due to Thanksgiving Holiday. **COMPLETE DISPERSAL OF 42 BLACK AND RED COWS** 6 years to older. 19 will have big Sept.-Oct. Balancer sired calves by EARLY CONSIGNMENTS FOR DEC. 1 side. 23 are bred to a Balancer bull for March-April calves. • 43 Angus and bwf strs, 3 complete rds shots, weaned 30 days, 550-700 lbs **COMPLETE DISPERSAL OF BLK ANGUS COWS CONSISTING OF:** 7 homeraised OCV Angus & SimmAngus X open Fall replacement hfrs, 143 Western Neb. open OCV Angus cows, all 3 yrs old, all coming w/ 3rd 775-800 lbs calf. Cows bred to Flory Angus bulls for March & April calves. Bulls in May 23 Angus strs, 2 rds shots, 30 days weaned, 550-650 lbs 30 taken out July 30. • 25 blk bulls & hfrs, 30 days weaned, 500-700 lbs 50 big fancy OCV Montana origin red Angus 1st calf hfrs, gentle disposi-• 45 blk strs & hfrs, weaned 60 days, 2 rds shots, 500-650 lbs tion, bred to LBW red Angus bulls due Feb. 10, according to ultrasound preg • 42 Hols strs, green, 725-775 lbs check they should calve in 40 days or less. 35 blk & x-bred strs & hfrs, 30+ days weaned, Spring Shots, 450-650 lbs 80 Fancy Red Angus 1st calf OCV hfrs, majority are Piper Ranch Breeding, Al bred to Brown Legend bull May 1 & 2, cleaned up w/ SL Legend Sons for • 25 blk strs & hfrs, 1 complete rd shots, weaned 40 days, 550-700 lbs 20 blk Simm strs, 2 rds shots, weaned 30 days, 475-550 lbs 60 days, taken out July 1, 1 shot scourguard • 15 SimmAngus X strs & hfrs, 2 rds shots, wenaed 45 days, 500-550 lbs 20 homeraised Angus & SmmAngus cows 5yrs-SS bred to Angus or Hereford bulls for Feb-March calves. 4 blk cows, River Creek genetics, 8-10 yrs old, bred blk 15 big fancy Angus 1st calf hfrs w/ 45 day old Angus calves by side. Hfrs • 3 blk Simm strs, 700-750 lbs exposed back to Angus bull since Dec. 1st. • 1 blk Simm hfr, 600-650 lbs 45 big fancy purebred Angus & AngusX 1st calf hfrs bred to LBW Nemaha • 65 blk strs & hfrs weaned 30+ days, 500-650 lbs Valley Angus bulls to start calving Jan. 20 76 blk strs & OCV hfrs 2 rds shots, weaned 60 days, poured, 500-650 lbs 21 blk pairs, 4-8 yrs old w/Angus June-July calves by side, bred back Simm 45 blk SimAngus Cross strs & hfrs, weaned 45 days, 3rd Vira Shield, 2 • 28 Homeraised Angus cows 2-6 yrs old w/late Aug.-Oct. Angus sired rd black leg, 500-600 lbs calves by side 30 blk cows 4-8 yrs old w/SimmAngus 30-90 day old calves by side. Cows EARLY CONSIGNMENTS FOR DEC. 8 exposed SimmAngus since Nov. 16. Cow/calves all worked. 65 Angus Char cross strs & hfrs, long weaned, 700-850 lbs 55 homeraised Angus cows, 45 are 3-7 yrs old, balance are SS to broken 15 Hereford hfrs, weaned Oct. 21, shots, 500-550 lbs mouth. Bred to Moser & Nemaha Valley Angus Bulls to start calving late • 75 choice Angus Gelv X strs & hfrs, 2 rds shots, weaned 6 weeks 500-Feb. 700 lbs

 15 homeraised Angus 1st calf hfrs due end of Feb. Bred to Moser & Nema-• 18 blk strs & hfrs bunk broke, 2 rds shots, weaned 6 weeks, 600-750 lbs ha Valley Bulls.

UPCOMING SPECIAL COW SALE DATES, 11 A.M.: Wed. Dec. 13

VISIT US ON THE WEB FOR DAILY CONSIGNMENT UPDATES AT WWW.MCCLIVESTOCK.COM

FIELD REPRESENTATIVES									
JOHN CLINE	SAM GRIFFIN	BRENT MILLER	ALAN HUBBARD	MERVIN SEXTON	BILL RAINE	TOM TAUL	JEFF BROOKS	BRYCE HECK	DAN COATES
ONAGA	BURNS	ALMA	OLSBURG	MANHATTAN	MAPLE HILL	MANHATTAN	BEATTIE	LINN	BALDWIN
785-889-4775	620-726-5877	785-765-3467	785-468-3552	Cell: 785-770-2622	785-256-4439	785-537-0036	785-353-2263	785-348-5448	785-418-4524
Cell: 785-532-8381	Cell: 620-382-7502	Cell: 785-587-7824	Cell: 785-410-5011	Home: 785-537-7295	Cell: 785-633-4610	Cell: 785-556-1422	Cell: 785-562-6807	Cell: 785-447-0456	

Page 14

Grass & Grain, November 28, 2017

Kansas Hay Market Repórt

Hav market activity slow: demand moderate to good: offerings of grinder hay light; prices steady. Grinding alfalfa continues to be elusive and producers continue to receive increased inquiries. Per NASS, some producers were waiting for crops to dry down to finish with harvest, while fog and drizzle slowed progress in some areas. Rain would be welcomed to help the winter wheat crop. with light precipitation recorded in the north and southeast, with minimal amounts scattered throughout the rest of the state. According to the U.S. Drought Monitor, the abnormally dry (D0) category increased slightly to 17.78 pct, while moderate drought (D1) increased to 1.07 pct. The Kansas Forage and Grassland Council is having their annual conference on December 12 in Salina. Visit their website at www.ksfgc.org, for more information and registration. If you have hay for sale, and/or need hav here in Kansas, use the services of the Internet Hav Exchange: www.hayexchange.com/ks.php.

Southwest Kansas

Dairy alfalfa, grass hay, grinding alfalfa steady and ground/delivered 5.00 higher; movement slow. Alfalfa: horse, small squares 240.00-250.00. Dairy, .80-.90/point RFV, Supreme 150.00-165.00, Premium 145.00-155.00, Good 125.00-145.00. Stock or Dry Cow alfalfa, 105.00-115.00. Fair/Good grinding alfalfa, 115.00-125.00 with an instance at 130.00. Ground and delivered locally to feedlots and dairies, 135.00-145.00, with instances at



150.00. The week of 11/12-11/18, 9,866T of grinding alfalfa and 735T of dairy alfalfa were delivered. Cornstalks: large round 50.00-60.00. The average paid by feedlots on November 1* (correction made to date sequence due to clerical error) for alfalfa ground and delivered was 129.98, up 3.39 from last month, usage was 763T/day, down 14.82 pct, and total usage was 23,654T.

South Central Kansas

Dairy alfalfa, grass hay, alfalfa pellets, steady; grinding alfalfa and ground/delivered 5.00-10.00 higher; movement slow. Alfalfa: horse, small squares 240.00-245.00, Dairy, .75-.85/point RFV. Supreme 140.00-150.00, Premium 130.00-145.00, Good 110.00-130.00. Stock cow alfalfa, 130.00-135.00 delivered. Fair/Good grinding alfalfa, 100.00-110.00 with an instance at 125.00-130.00. Ground and delivered locally to feedlots 130.00-140.00. The week of 11/12-11/18, 3.911T of grinding alfalfa and 925T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 160.00-165.00, 17 pct protein 165.00-170.00, Dehydrated 17 pct 205.00-215.00. Grass hay: bluestem, large rounds 65.00-70.00; Brome: large rounds 70.00-75.00, small squares 105.00-115.00. Sudan large rounds 80.00-90.00. Teff, small squares 6.25-6.75 per bale, large squares 115.00-125.00 delivered, large rounds 65.00-75.00. Cornstalks: large rounds 55.00-60.00, cornstalks ground and delivered 60.00-70.00, Straw large squares 50.00-60.00, large rounds 50.00-55.00. Milo stalks 50.00-55.00. The average paid by feedlots on November 1* (correction made to date sequence due to clerical error) for alfalfa ground and delivered was 124.89, up 13.80 from last month, usage was 310T/day, down 22.69 pct, and total usage was 9,613T.

Southeast Kansas

Dairy alfalfa, grass hay, grinding alfalfa, ground/ delivered steady; movement slow. Alfalfa: horse or goat, 6.00-8.00/bale. Good, mid and large squares 100.00-120.00 large rounds 75.00-85.00. Oat hay, large squares 120.00-130.00. Straw, mid squares 50.00-60.00.

Northwest Kansas

Dairy alfalfa, ground/delivered, and grinding alfalfa, steady; movement slow. Alfalfa: small squares, horse quality none reported. Goat, 170.00-180.00. Dairy, Premium/Supreme .80-.95/point RFV. Stock cow, fair/good 85.00-95.00. Fair/good grinding alfalfa, 80.00-90.00. Ground and delivered locally to feedlots and dairies, 90.00-100.00.

North Central-Northeast Kansas

Dairy alfalfa .05-.10 per point lower, grinding alfalfa, ground/delivered, and grass hay steady; movement slow. Alfalfa: horse, small squares 9.00-10.00/bale. Dairy .95-1.05/point RFV, Supreme 175.00-195.00, Premium 170.00-185.00, Good 150.00-170.00. Stock Cow, good 110.00-120.00. Fair/Good, grinding alfalfa, 90.00-100.00 with a couple of instances at 110.00-120.00. Ground and delivered, 115.00-125.00 Grass hay: bluestem, small squares 5.00-6.00/ bale. large squares 90.00-100.00, large rounds 65.00-75.00. Brome: Good, small squares 6.00-7.00/bale delivered mid and large squares, 100.00-110.00, good large rounds 75.00-80.00. Sudan large rounds 65.00-75.00; Straw: small squares, 4.00-5.00/bale, large squares 75.00-85.00, large rounds 65.00-75.00.

***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

Guidelines are to be used with visual appearance and

Source: Kansas Department of Agriculture - Manhattan,

Posted to the Internet: www.ams.usda.gov/mnreports/



programming; and determination of programming, educational materials, and delivery methods that meet the needs of our Extension clientele. The sessions are open to any River Valley District resident and clientele may attend either session. No reservations are needed to attend, just show up ready to share ideas. Coffee, tea, water, and sheet cake will be served for refreshments will be served at each location. For more information or questions contact River Valley District Extension Director, John Forshee, by calling any River Valley District office or by email-

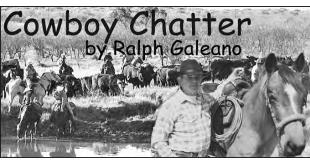
SATURDAY, DECEMBER 9, 2017 - 10:00 AM DIRECTIONS: From Marion, KS, (Round-A-Bout Jct. Hwys 77, 56,150) 4 miles East on Hwy 150, 4 miles North on Zebulon, 4 miles East on 240th. From Elmdale, KS 11 miles West on Middle Creek Rd. Please visit our website www.leppke for full listing & pictures.

1993 Case IH 5250 MFWD, 3pt., PTO, 3 hyd., 18.4x38R tires, 6375 hrs.; 1979 MF 285, 3pt., PTO, 2 hyd., 4491 hrs w/ '90' West-endorf WL42 loader, 7' bucket and grapple; 1981 White 2-135 (not running); GB 860 loader w/ joy stick control; 1989 Case IH 1640 combine w/ IH 810 20' platform head, 3565 hrs; IH1020 20' flex head; 20' IH pickup reel; JD 653A row head w/ Bish adapter to IH;

speed, 470k miles; 1997 Jet 26' single hopper tandem axle grain

LEPPKE REALTY & AUCTION • www.leppke.com 501 S. Main, Hillsboro, KS 67063 – 620-947-3995 LYLE LEPPKE, Broker & Auctioneer – 620-382-5204; ROGER HIEBERT, Sales Assoc. & Auctioneer - 620-382-2963

MOTORS - 225 W. Hwy. 24, Rossville, Kansas **E**R For Sales Call: 785-584-5850



To Train a Cow Horse Part I

If you've got a colt on very important but feel it the ground and have the desire to make a good cow horse out of the youngster, think about what the young horse must possess for him to become a competent cow horse. It helps if he's got a family history of good horses in his breeding. If his sire and dam were good cow horses, chances of him inheriting the necessary traits are good. He's got to be quick on his feet and have the attributes of a good athlete—fast, supple, agile and the stamina to exert hard, physical activity for long periods. Intelligence and an innate cow sense will help get him to the goal you desire. I believe that cow sense is

can be a learned aspect if the horse doesn't instinctively have that trait. If a horse becomes obsessed with dominating a cow, he will surely acquire cow sense when he is beat a few times and learns the ways and moves of working cattle. But don't get me wrong. I'd rather have instinctive cow sense than learned cow sense because in the bovine learning process, the instinctive cow horse is already one step up on the way to becoming a competent cow horse.

Start your horse as you would any young horse. Work him in the round pen lunging, driving, and sacking him out until working with him on the ground

becomes routine and he readily obeys your verbal commands and non-verbal cues. Teach him what whoa means and when you start lunging and driving, tip his nose with a lunge line or the long reins to change directions when driving him from the ground. Start easy before that first ride. Placing weight in the stirrup without mounting, reaching across the saddle and petting or tapping on his off-side to accustom him to accepting weight and touch on both sides of his body will help make him more relaxed or at least less nervous the first time you sit in the saddle. When you first put your foot in the stirrup, make sure you only place the toe of your boot in the stirrup, not past the ball of your foot, to prevent your boot from hanging up in the stirrup if the horse spooks when he feels that weight come down on him. That is a safety precaution that can prevent a serious accident.

I like to sit in the saddle a few minutes the first time I get on and then gently step back off. This is a critical time and you have

to be careful you don't bump his hindquarters with the off-side leg when getting on or off. Make it as gentle as you can and don't make any fast moves or mistakes. Once I'm back on the ground, I lead him around the pen a little bit and then get back on, still being very careful. I'll do this several times until I can see that he is getting comfortable with me getting on and off his back. Only then will I ask him to move his legs and walk.

Before you can expect him to comprehend any training excercises, the horse has to be comfortable and not afraid when vou get on his back. A lot of time just getting on or off and maybe just sitting up there doing nothing will build a foundation to start training a good cow horse. He'll be more inclined to try to understand the things you are trying to teach him instead of worried something bad is going to happen because a two-legged critter is sitting on his back. The bottom line is that he's got to have no fear of you on his back before you can get his full attention and an open

Grass & Grain, November 28, 2017 door to begin training with

reins, body and leg cues. Moving him around in a walk is when the enjoyable part of training a horse begins.

You can measure your progress each day by how much he retains from the day before. Use either a snaffle bit or a soft rope hackamore to tip his nose the way you want him to go. A halter is even a good choice to get started. He should have learned basic reining cues while vou were driving him on the ground. Now you can try those cues from the saddle and find out if he remembers what whoa means. Start everything from a walk and progress to a trot and then a lope. Remember, to teach things at a walk first before you go on to a trot and lope. You've gotta walk before you can run.

Add leg cues to move his shoulders and hips around. This takes a while and it will take some bumping with your legs and heels and rein pressure to accomplish body movements. I'm not going into great detail about how to accomplish basic training techniques. I'm assuming

Page 15 you probably have a good amount of horse training knowledge already if you want to turn your new colt into a competent cow horse. Work your young horse in the round pen or corral until you have the basic maneuvers down to where you feel confident to ride him outside the pen. Give him some mental freedom by riding him in the pastures or hills where vou can just ride him without constant training pressure. Practice turns around trees or bushes as you ride to give him some practical experience. Get at least 50 or 60 rides on the horse so he'll be pretty well broke and have a decent rein and stop so he'll be ready to move on to those special moves that will help your horse work cattle more effeciently and with less effort.

This is a two-part series and we'll go into the interesting work of more advanced cow horse training in the next column, To Train a Cow Horse Part II.

Contact Ralph Galeano at horseman@horsemanspress.com or www.horsemanspress.com

characteristics New method analyzes corn kernel

An ear of corn averages about 800 kernels. A traditional field method to estimate the number of kernels on the ear is to manually count the number of rows and multiply by the number of kernels in one length of the ear. With the help of a new imaging machine developed at the University of Illinois breeders can learn the number of kernels per ear, plus a lot more information than can be manually observed.

"If you take that same ear of corn into a lab, you can take the same approach but use an imaging system to get a more accurate measure of the total number of kernels," says Tony Grift, lead scientist on the project. "But you can go a lot further than that. By pinning the ear on a spike and turning it automatically, we can present each row individually to a camera. This allows us to determine up to 16 morphological characteristics of each kernel, including kernel area, circumference, and circularity, a measure for how close the kernel shape is to a circle. We can also calculate the center of gravity and the location of the kernel on the ear, in fact we use these to make sure we box itself is made from high-density polyethylene or HDPE, which is typically used to make cutting boards. This plastic adheres to virtually nothing (which is ideal for cutting boards) including glue, so it was assembled with bolts and fasteners.

Grift says the key is in the lighting. "Having a good camera is one thing, but light is very important. Light has to come from everywhere, so we channel light from the halogen bulb through a thin layer of the same HDPE material, which reflects off the side walls in which the cameras were mounted as well. Using the box is simple: You open the door, put the ear of corn on the spike, close the door, and a motor automatically rotates the ear as many times as needed to capture all rows. The motor and two cameras inside are controlled by a computer program that records the information."

Grift says he's been working with U of I maize breeder Martin Bohn since 2002 on perfecting imaging boxes. "We began working with roots: we called the box the Corn Root Imaging Box or CRIB," Grift says. "Corn roots have an awkward shape which is difficult to capture. But we can calculate the stalk diameter, the root angle, and the fractal dimension, which is a way to describe a root's complexity." He says that at some point, he and his colleague

MID-CONTINENT ENERGY EXCHANGE

Oil and Gas Asset Auctions

Abdul Momin realized that they could put anything inside the box and decided to experiment with an ear of corn

Because an ear of corn is a natural object, the variations can make it difficult to image accurately. "It's easier with ears that have very 'well-behaved' rows of kernels," Grift says. "The rows on some ears of corn begin to spiral a bit, making it difficult to get an accurate reading without duplicating some kernels. Former students Wei Zhao and Yu Zhang made adjustments to allow for missing kernels, dead kernels, or some that were squeezed together or twisted, but overall, the imaging system works well."

"This is where it gets really interesting," Grift says. "All of the measurements mean very little to us. I like to joke that we agricultural engineers are just glorified technicians on the project. We just provide the numbers in spread sheets. The spread sheet then goes to Martin Bohn who creates a QTL map-quantitative trait loci map-that associates the particular characteristics of the kernel with the genes that control them."

Martin Bohn, corn breeder and geneticist age genomic information in breeding and genetic research.

'Most plant characteristics that determine the agronomic potential of plants are highly complex," says Bohn. "For example, a large number of genes, mostly with small effects, contribute to traits farmers are interested in, such as yield, efficient uptake and use of nutrients, tolerance to drought, heat, cold, etc. We can only hope to find these important but small effect genes if we can measure plant traits efficiently and accurately for a large number of plants, hence the term high-throughput phenotyping. The method we report here does not only provide the technology to do exactly this, but it might also be possible to go beyond this. Imagine,

being able to determine the nutritional content of each kernel on the cob using our approach. We would love to expand this idea and work with companies to move on from manual, tedious field measurements to smart imaging techniques.'

The study, "Semi-automated, machine vision based maize kernel counting on the ear," is published in Biosystems Engineering. The research was conducted by Tony Grift, Wei Zhao, Abdul Momin, Yu Zhang and Martin Bohn.

This work has been partially supported by a grant from the College of ACES.

Tony Grift is an associate professor in the Department of Agricultural and Biological Engineering in the College of Agricultural, Consumer and Environmental Sciences at the University of Illinois. Wei Zhao is a former MS student, Abdul Momin is a postdoctoral research associate in the Institute for Genomic Biology at U of I, Yu Zhang is a former visiting scholar and Martin Bohn is an associate professor in the Department of Crop Sciences.



K-14 CONSIGNMENT AUCTIO SATURDAY, DECEMBER 2. 2017 - 9:00 AM Location is at the K-14 Auction Center, 10919 S K-14 Hwy. HUTCHINSON, KS 67501.

Now taking Consignments for Vehicles. Tractors. Farm and Livestock Equipment, Shop Tools, Lawn and Garden, Farm Primitives and Collectibles, Construction Supplies, Lumber, Windows and Doors, any good items with a cash value will be accepted. Numerous estates consigned at this time.

Consignments Include: 1968 JD 4020 Diesel and Trex Bikes; New Coleman Coolers; Rain and Tractor (excellent cond); 7'x32' Continental Car-Hunting Gear; Various Ammo; Antique Wrenches go Trailer; 6'x9' Trailer w/winch; 6' Whirlcut; Road Ditch Culverts; Poly Hutches; JD 100 Riding and Tools; Milk Cans; Ertl Toys; Shop and Farm Supplies; Misc. Lumber; New Roofing Metal (var-Mower; GE Top Load-Washer; Rem 870 12ga ious length); Alum. Windows; Lots of Misc Hand Wingmaster; S&W -MP9, 9MM w/case; Schwinn Tools. **Much more being consigned daily.** Watch auctionzip.com for photos and updates! For more information contact Morris Yoder 620-899-6227 or morris_yoder@yahoo.com • Farm Auctions • Antiques Morris Yoder Auctions • 620-899-6227 Morris Real Estate • Livestock Email: morris_yoder@yahoo.com ODER • Equipment Estates Website: morrisauctions.com Terms: Cash, Credit Card or Check Auctions with Proper ID Kansas Morris Yoder, Auctioneer/Realtor, 620-899-6227/Associate Realtor/Auctioneer w/Riggin & Company HERINGTON LIVESTOCK COMMISSION **GO**. CATTLE SALE EVERY WEDNESDAY: 11:30 AM SELL HOGS 1ST & 3RD WEDNESDAY OF EVERY MONTH LMA LMA

don't count kernels more than once."

The imaging machine itself isn't fancy. It's more like a tabletop photography studio. A single halogen light is hung outside, above the box. The

in the Department of Crop Sciences at U of I and co-author, notes that improved phenotyping methods, like the one this paper focuses on, are critical if we want to lever-

THERE WAS NO SALE NOVEMBER 22nd

11/22/17

CONSIGNMENTS FOR NOVEMBER 29:

- 60 mostly blk strs, 900 lbs
- 58 mostly blk strs, 900 lbs

round shots, 500-600 lbs

- · 25 red strs & hfrs, 2 rounds shots, 800 lbs
- 64 blk bwf strs & hfrs, home raised, long time weaned, all shots, 550-650 lbs,
- 115 mostly blk strs, 875-900 lbs • 30 mostly blk strs & hfrs, home raised, 1
- MORE CATTLE BY SALE TIME!

CONSIGNMENTS FOR DECEMBER 6:

53 blk CharX strs & hfrs, 500-650 lbs, 30 days weaned, 2 rds shots, home raised.

MORE CATTLE BY SALE TIME!

RESULTS FROM SHEEP/GOAT SALE OCT. 26

150 lbs, 175/head

Lambs:

Boer Kids: 1.20-1.70 Replacement Nannies: 66-80 lb Dairy Kids: 1.20-1.70 Billies: 1.00-1.65 Cull Nannies: .80-1.25 50-65 lb

Fat 1.75-1.84

1.40-1.45 1.20-1.30

Rams: .60-1.00

Replacement ewes: .90-1.05

Light Sale

NEXT SHEEP & GOAT SALE THURSDAY, NOV. 30 @ 6:30 CLAY TOEWS- Sheep/Goat Sale Mgr. • 620-747-0843

CAFE UNDER NEW MANAGEMENT: Cattleman's Cafe, Deb- Manager Cafe hours: Wednesday- Opens at 7 a.m. • Thurs.-Fri.: 7 a.m.-2 p.m. The Last Saturday- Steak Night! Surf & Turf, open 5-9 p.m.

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

View Our Auction Live at LMAAUCTIONS.COM KFRM AM 550, Every Wed., 8:00 a.m. • Barn Phone 785-258-2205 www.HeringtonLivestock.com

UNDER NEW MANAGEMENT: Tracy Ediger, 785-366-6645

Gary Suderman - 913-837-6785 • Dave Bures - 402-766-3743 • Rick Parkerson - 620-767-2738 Bob Kickhaefer, Cell - 785-258-4188

Thursday, Dec. 7th, 2017 Doors open10am @ The Wichita Boathouse - 515 S. Wichita St., Wichita KS Operated Leases in ELLIS & WOODSON Counties, in Kansas 149 Mineral Acres in LEON County, Texas Royalty Interests in SUMNER & GRANT Counties in Kansas Overriding Royalty Interests in NESS, ELLIS, GOVE, ROOKS, TREGO, STAFFORD, SEDGWICK, FORD, HODGEMAN, BARTON, HARVEY, MARION, GRAHAM, KIOWA, & RICE, in KS and in MOORE & POTTER Counties, in Texas. Partial Working Interests in ELLIS, ROOKS, PRATT, HARPER, CLARK, STANTON, HODGEMAN, GREELEY, GRAHAM, FORD, SEWARD, STEVENS, KIOWA,

PAWNEE, EDWARDS, FINNEY, SUMNER, PRATT, NORTON

LIVE INTERNET BIDDING AVAILABLE - NO BUYERS FEES!!!

Visit our website for a preliminary brochure & more details

FOR MORE INFORMATION CALL

Sarah Krehbiel- COO- 316-217-8820 and SarahKate@MCEEAuction.com General Info- 316-772-3613 Free lunch buffet catered by Doo Dah Diner

See more details at www.mceeauction.com Mid-Continent Energy Exchange | 316-217-8820 6730 W Kellogg Drive, Suite #3 - Wichita, KS 67209

CLASSIFIED AD	DEADLINE IS 10:00 A.M.	FRIDAY	RATES AND DISCOUNT	S	CLASSIFICATIONS
Although complete name	address and phone number need		E YOUR COST HERE	. CATTL	E GOAT
your ad, we must have this	s information for our records.	DATE OF	ic a word.	SWINE	E SHEEP
Name:	Phone #:		of words: @ 65¢ (each HORS	ES POULTRY
Address:	City:State:Zip		one week:		LIZER TRAILERS
			one-week cost times number o	of weeks you FEED	& SEED MACHINERY
	\cap	want ad		AUTON	MOTIVE EMPLOYMENT
WRITE YOUR AD	HERE L		consecutive wee	REAL	ESTATE ANTIQUES
	1 Alexandre		Cost for weeks	SERVI	CES PASTURE
		DISCOL	INTS: (with cash or credit card	IDDIO	ATION WANTED
			educt 10% if ad runs 2 or 3 w	eeks; HARVI	ESTING PETS
			deduct 25% if ad runs 4 wee Less discounts	LIVES	TOCK OTHER
		i [TOCK EQUIPMENT
		1	PAY WITH (PLEASE CIRCLE ONE)	BUILD	INGS-BUILDING MATERIALS
		c	HECK MASTERCARD VISA DI		DRYERS - VACS
		Card No.	Exp.	Date MOBIL	E HOMES
			e (required) last		Y EQUIPMENT
			s (see sample: 567) located AUTH back of your credit card on	1234 567 BUSIN	ESS OPPORTUNITIES
			nature panel.	ALID UNLESS SIGNED WELD	ING
		Signature:		MISCE	LLANEOUS
		• NO RE • BY PH added	sertion. FUNDS! ONE: Ads not accompan , and discounts are not ava Place Your Ad	ilable.	
GRASS & GRAIN	CALL: 877	• NO RE • BY PH added	FUNDS! ONE: Ads not accompan , and discounts are not ava	ilable. 539-7558	ve \$1.00 billing charge
GRASS & GRAIN	<u>CALL:</u> 877 MAIL TO: AG	• NO RE • BY PH added • BY PH added	FUNDS! ONE: Ads not accompan , and discounts are not ava Place Your Ad L-FREE OR 785-	ailable. 539-7558 ansas 66505	V/SA° Master card
	<u>CALL:</u> 877 MAIL TO: AG	• NO RE • BY PH added • BY PH added	FUNDS! ONE: Ads not accompan , and discounts are not ava Place Your Ad L-FREE OR 785- 09, Manhattan, Ka	ailable. 539-7558 ansas 66505	VISA° Mastar card
& GRAIN	CALL: 877 MAIL TO: AG FAX: 785- CATTLE ANGUS 2YR OLD VIRGIN	• NO RE • BY PH added • BY PH added • DUR Ways To • 537-3816 TOL • PRESS, Box 10 • 539-2679 01 • CATTLE ANGUS FALL BULLS	FUNDS! ONE: Ads not accompan , and discounts are not ava Place Your Ad L-FREE OR 785- 09, Manhattan, Ka <u>NLINE:</u> www.grassan	ailable. 539-7558 Insas 66505 Idgrain.com CATTLE GRAHAM SCHOOL	VISA® Master card DICCOVER DICCOVER CATTLE POLLED HEREFORD BULL 12 and 20 menth old only
& GRAIN	<u>CALL:</u> 877 <u>MAIL TO:</u> AG <u>FAX:</u> 785-5 CATTLE	• NO RE • BY PH added • BY • B • BY • B • BY • B	FUNDS! ONE: Ads not accompany, and discounts are not avain Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company	ailable. 539-7558 539-75555 539-7555 500-7555 50	V/SA* Imagine card DVCOVER DVCOVER DVCOVER CATTLE POLLED HEREFORD BULL 13 and 20 month old calvie ttle- cial 14 700 arch Vlandid BES
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785- CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883-	• NO RE • BY PH added • BY PH added • OUR Ways To • 537-3816 TOL • PRESS, Box 10 • 539-2679 0 • CATTLE • ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of	FUNDS! ONE: Ads not accompany, and discounts are not avain Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m.	Ailable. 539-7558 539-75555 539-75555 539-75555 539-75555 539-75555 539-755	TVSA DVCOVER DVCOVE
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785- CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883-	• NO RE • BY PH added • BY PH added • BY PH added • DY PH • DY PH added • DY PH • DY	FUNDS! ONE: Ads not accompany, and discounts are not avain Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of:	Ailable. 539-7558 539-75555 539-7555 559-7555 559-7555 559-7555 559-7555 559-7555 55	TVSA DICCOVER
& GRAIN	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings.	NO RE BY PH added BY PH added OULT Ways To -537-3816 TOU PRESS, Box 10 39-2679 OL CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to get	FUNDS! ONE: Ads not accompany and discounts are not ava Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver	Ailable. 539-7558 539-7557 539-755 539-755 539-755 539-755 539-755 539-755 539-755 539-755 539-755 539-755 539-755 539-755 539-7555 539-755 539-755 539-755 539-755 539-7555 559-7555 559-7555 559-7555 559-7555 559-7555 559-7555 5	ttle- cial- ncy and
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings.	NO RE BY PH added BY PH added OULT Ways To -537-3816 TOL PRESS, Box 10 S39-2679 0 CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to get Nelson Angus	FUNDS! ONE: Ads not accompany and discounts are not avain Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka ULINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • Sandhills	Ailable. 539-7558 539-758 539-758 539-758 539-7558	TVSA DVCOVER DVCOVE
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings. ANGUS BULLS Yearling to 2 year olds Performance Data Available Good Maternal Traits	NO RE BY PH added BY PH added OULT Ways To -537-3816 TOL PRESS, Box 10 539-2679 0 <u>CATTLE</u> <u>CATTLE</u> <u>ANGUS FALL BULLS</u> 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls, with over 20 years of artificially breeding. Semen checked, ready to get Nelson Angus Raymond & Alan & Mike Nelson	FUNDS! ONE: Ads not accompany and discounts are not ava Place Your Ad L-FREE OR 785- 09, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky	Ailable. 539-7558 539-758 539-758 539-758 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-	THE- title-
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings. ANGUS BULLS Ferling to 2 year olds Performance Data Available Good Maternal Traits Fertility Tested	NO RE BY PH added BY PH added OULT Ways To 537-3816 TOL PRESS, Box 10 539-2679 0 CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to ge Nelson Angus Raymond & Alan & Mike Nelson Riley, KS 785-485-2378	FUNDS! ONE: Ads not accompany and discounts are not avain Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka Description (Company) Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • Sandhills Location: Hueftle Cattle	Ailable. 539-7558 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758 539-758	THE- title-
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings. ANGUS BULLS Yearling to 2 year olds Performance Data Available Good Maternal Traits	NO RE BY PH added BY PH added OULT Ways To -537-3816 TOL PRESS, Box 10 539-2679 0 <u>CATTLE</u> <u>CATTLE</u> <u>ANGUS FALL BULLS</u> 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to get Nelson Angus Raymond & Alan & Mike Nelson Riley, KS	FUNDS! ONE: Ads not accompany and discounts are not avain Place Your Add L-FREE OR 785-5 09, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • Sandhills Location : Hueftle Cattle Company Sale facility, 1 mi. South, 1/2 mi. West of Cozad, NE 1-80, Exit 222 Call or email for a catalog	Ailable. 539-7558 539-758 5	ttle- cial- ncy ion, and
& GRAIN CATTLE CATTLE CATTLE CONTINUE C	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings. ANGUS BULLS Yearling to 2 year olds Performance Data Available Good Maternal Traits Fertility Tested Continuously raising Angus cattle for 67 years.	NO RE BY PH added BY PH added OULT Ways To 537-3816 TOL PRESS, Box 10 539-2679 0 CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to ge Nelson Angus Raymond & Alan & Mike Nelson Riley, KS 785-485-2378 Alan's Cell: 785-770-7054	FUNDS! ONE: Ads not accompany and discounts are not avain Place Your Add L-FREE OR 785-5 09, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • Sandhills Location • Hueftle Cattle Company Sale facility, 1 mi. South, 1/2 mi. West of Cozad, NE 1-80, Exit 222 Call or email for a catalog Mary cell: 308-746-6511 Kelly cell: 620-272-2958	Aliable. 539-7558 539-758 539-758 539-758 539-758 539-758 539-759 539-7	The finance of the second seco
& GRAIN CATTLE CATTLE CONTINUE CONTINUE STORE AND	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings.	NO RE BY PH added BY PH added OULT Ways To 537-3816 TOL PRESS, Box 10 539-2679 0 CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to ge Nelson Angus Raymond & Alan & Mike Nelson Riley, KS 785-485-2378 Alan's Cell: 785-770-7054	FUNDS! ONE: Ads not accompany and discounts are not ava Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • Sandhills Location • Hueftle Cattle Company Sale facility, 1 mi. South, 1/2 mi. West of Cozad, NE 1-80, Exit 222 Call or email for a catalog Mary cell: 308-746-6511 Kelly cell: 620-272-2958 kwevans@live.com evanscattlecompany.com	Ailable. 539-7558 539-758 5	The finance of the second state of the second
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings.	NO RE BY PH added BY PH added OULT Ways To 537-3816 TOL PRESS, Box 10 539-2679 0 CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to ge Nelson Angus Raymond & Alan & Mike Nelson Riley, KS 785-485-2378 Alan's Cell: 785-770-7054	FUNDS! ONE: Ads not accompany and discounts are not ava Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka Descenter of the second CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • Big Sky • Nexp	Aliable.	The finance of the second seco
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings.	NO RE BY PH added BY PH added OUIT Ways To -537-3816 TOU PRESS, Box 10 39-2679 01 CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to gu Nelson Angus Raymond & Alan & Mike Nelson Riley, KS 785-485-2378 Alan's Cell: 785-565-8477 Mike's Cell: 785-565-8477	FUNDS! ONE: Ads not accompan , and discounts are not ava Place Your Ad L-FREE OR 785- 09, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • Sandhills Location: Hueftle Cattle Company Sale facility, 1 mi. South, 1/2 mi. West of Cozad, NE 1-80, Exit 222 Call or email for a catalog Mary cell: 308-746-6511 Kelly cell: 620-272-2958 kwevans@live.com evanscattlecompany.com Ask about our winter feed &	Aliable. 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 500 CATTLE GRAHAM SCHOOL Graham School for cat men and women. We speci ize in teaching pregna check, artificial inseminat herd health, calf delivery many other subjects. DATES FOR 2018 January 15-19 February 5-9 No March Classes! April 9-13 May 7-11 June 11-15 CERHANCE SCHOOL Trusticel Montel Work	The control of the second seco
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings.	NO RE BY PH added OUIT Ways To -537-3816 TOU PRESS, Box 10 39-2679 0 CATTLE CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to ge Nelson Angus Raymond & Alan & Mike Nelson Riley, KS 785-485-2378 Alan's Cell: 785-565-8477 Mike's Cell: 785-565-8477	FUNDS! ONE: Ads not accompany and discounts are not ava Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka Do9, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • B	Ailable. 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 505 505 505 505 505 505 505	The finance of the second seco
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings.	NO RE BY PH added Our Ways To -537-3816 TOL PRESS, Box 10 39-2679 0 CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to gu Nelson Angus Raymond & Alan & Mike Nelson Riley, KS 785-485-2378 Alan's Cell: 785-765-8477 Mike's Cell: 785-565-8477 BJ Angus Genetics 17th Annual Sale March 8, 2018	FUNDS! ONE: Ads not accompany and discounts are not ava Place Your Ad L-FREE OR 785 09, Manhattan, Ka Dog, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • B	Ailable. 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 505 505 505 505 505 505 505	Image: Control of the second system And the second system Angular system Angular system Angular system Angular system Angular system Angular system
& GRAIN CATTLE	CALL: 877 MAIL TO: AG FAX: 785-5 CATTLE ANGUS 2YR OLD VIRGIN bulls from \$2,250. 785-883- 4880 Evenings.	NO RE BY PH added OUIT Ways To -537-3816 TOU PRESS, Box 10 39-2679 0 CATTLE CATTLE ANGUS FALL BULLS 75 head to Select From Plus 8 Sim-Angus Bulls 20 coming 2-year old bulls This is a stout set of artificially sired bulls, with over 20 years of artificially breeding. Semen checked, ready to ge Nelson Angus Raymond & Alan & Mike Nelson Riley, KS 785-485-2378 Alan's Cell: 785-565-8477 Mike's Cell: 785-565-8477	FUNDS! ONE: Ads not accompany and discounts are not ava Place Your Ad L-FREE OR 785-5 09, Manhattan, Ka Do9, Manhattan, Ka LINE: www.grassan CATTLE Evans Cattle Company Production Sale December 8, 2017 • 1:00 p.m. Lunch served at 11:30 Selling sons of: • Redemption • Legend • Oscar 28x • Night Calver • New Direction • Big Sky • Nexpectation • B	Ailable. 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 539-7558 505 505 505 67 68 505 505 505 505 505 505 505 50	The second seco

neal@nemahavalleycattle.com marya@nemahavalleycattle.com

www.nemahavalleycattle.com

785-336-1655 - Cell 785-336-0121 - Office

REGISTERED BLACK Angus bulls, heifers and cows. Call 785-207-1232.

ANGUS & SIMMENTAL-ANGUS BULLS



Priced for the Commercial Cattleman

- Yearlings & 2 yr. olds with calving ease & growth
- Excellent Selection with Volume Discounts Performance Data Available
- Good Maternal Traits

Huninghake Angus FRANKFORT, KS Leo Huninghake 785-292-4537 Cell: 785-556-2648

Registered Angus Bulls

18-20 month old Sired by Connealy Union, Consensus, In Focus4925, Basin Excitement, & Final Answer. Fall Yearlings Sired by 10 Gauge & Tour of Duty

- Performance Tested Fertility Tested
- Free Delivery Excellent Disposition
- Guaranteed Sight Unseen Purchases

Also selling young Angus Fall pairs & bred heifers

Priced to sell!

Bruce or Lynn Rinkes 2554 Q-4 Road, Holton, KS 66436 (785) 364-3517 or (785) 845-5272 Brandon (785) 817-2328 rinkescattle@gmail.com



Angus Bulls For Sale

Excellent selection of twoyear-old Angus bulls available this Fall

Your Private Treaty Headquarters. Over 20 years experience in Private Treaty & Sight-Unseen Sales Our goal is to get the right bull to the right herd every time.

 Videos, data, and catalog available on our website It's time to come home to ...

HARMS PLAINVIEW RANCH Mark & Kim Harms 2528 250th Street Lincolnville, KS 66858 Email: hprbulls@tctelco.net

www.HARMSRANCH.com 620-924-5544 Mark Cell: 620-382-6388 Kim's Cell: 620-382-5373

Bull & Female Sale SAT., MARCH 10 2018



MILL BRAE RANCH Mark Nikkel.

Managing Partner Maple Hill, Kansas 785-256-4327 millbraeranch.com

BUSS ANGUS Angus Bulls 14 to 20 Months Old **Featured Sires:** Thunder Consensus 7229 Angus Valley Pioneer Wisdom Thunderbird Net Worth Image Maker SEVERAL SETS OF FULL BROTHERS

GARY BUSS Leonardville, Kansas 785-293-4444 • 785-410-3006

CHAROLAIS BULLS, performance, docility, soundness, yearling virgin bulls, fertility tested, ready to work. Nick Hargrave (785) 293-2176.

POLLED HEREFORD BULLS Calving ease, good growth and disposition Semen tested, poured, vaccinated Delivery available 785-865-3444 Flory **Polled Herefords** PRIVATE TREATY Yearling Bulls

Calving Ease • Performance Efficient • Docile

Dave Stump Blue Rapids, KS 785-556-0124 Visit us at SpringhillHerefords.com A Gold TPR Breeder

FOR SALE: 30 BLACK Angus commercial bred heifers, will start calving March 3rd 2018. DD Angus, Seneca, KS. 785-294-1511.

FOR SALE SPRING-BRED heifers originating out of Montana. 34-red Angus, 30black Angus, 1000-1100lbs. Due Feb 10-Apr 20 to black Angus bull Connealy Consensus. Preg-checked and UTD on vacc. Larry Nutsch, 785-532-8663.

FOR SALE: 70 BLACK Angus bred heifers. Big, deep ribbed, long. 1150-1200lbs. Will calve between February 10 and April 20. To registered Angus heifer bulls. Abilene. 785-479-0126.

FOR SALE: HEREFORD bulls. Horned and polled, good selection. 4H and FFA heifer prospects. Will deliver. Davis Herefords. Maple Hill, KS. 785-256-4643 or 785-256-4010

PUREBRED SIMMENTAL Bull. Two year old, black and homozygous polled. Top 3% for calving ease and birth weight and top 5% for API. Moderate framed, structurally correct, bold spring of rib, Al sired. Michael Dikeman mdikeman@ksu.edu 785-770-2977.





Good bulls with balanced EPD's, practical development good disposition & eye appeal.

Oleen Cattle Co. Falun, KS CHUCK GLENN 785-668-2368 785-668-2454

JENSEN BROS. Hereford Bull Sale



March 1, 2018 CALVING EASE BULLS PERFORMANCE BULLS DNA Enhanced EPD's Free Delivery

Kevin & Sheila Jensen Courtland, KS 785-374-4372, home 785-243-6397, Kevin cell jensenbros.net jensenks@courtland.net Performance counts because POUNDS PAY \$\$\$\$

POLLED HEREFORD BULLS Bred for Complete Performance Growth Muscle

 Maternal Disposition

Fertility Tested and Guaranteed

DETTKE FARMS Call: ANDY DETTKE Marysville, KS

785-268-0423 785-562-6257 Brian Optimizer.

Heath Allen 785,556.8982 www.FLATIRONANGUS.com

Purebred Polled Hereford Bulls 18mo-2yrs old

Deep & long bodied, thick, some with red eyes. Ready to go this Fall or shop

early for next Spring!

785-280-3461 leave message if no answer Riffel's at Enterprise, KS

RED ANGUS BULLS, 18 months, grass and forage raised. Also red Angus/ Akaushi halfbloods. Hoft Red Angus, 785-472-3734; 785-472-1033



SENECA, KS

Private Treaty 18 Month Angus Bulls AI Sired Registered **Calving Ease** Gentle Disposition P.I. Negative

David J. & Doris, Dustin & Daren Ronnebaum 785-294-1511

SHORTHORN STEERS AND Heifers, excellent 4-H and FFA projects. Red, red and white roans. Registration papers available. Rick Blush- Topeka KS. H: 785-286-3040 C: 785-554-8990.

SOURCE FOR STOCKERS and Feeders SW MO, NE OKL SE KS. Eugene Alloway 620-252-9191. Call or text for more information.

20 RED RWF HOMERAISED bred heifers, calve March 20 to April 20. Grass and forage raised. Hoft Red Angus. 785-472-3734; 785-472-1033

GRASS & GRAIN DIRECTORY





CATTLE

gentle.

ANGUS

RANCH

SWINE

н

ARMS

LIVESTOCK EQUIPMENT

FOR SALE-HAYBUSTER 2650 processor, Mark's Welding grain tank, fenders, lights, hvd. deflector. Extra stripper bars. Shedded. Ready to use. Southeast Nebraska, 402-239-7164.

HEDGE POSTS FOR SALE, straight corners. 785-479-7589.

HOLD 'EM FENCE Company barbed wire, welded continuous fence, pipe, custom tubs, gates, alleyways. Cell 785-313-4552, http://www.holdemfence. com



FEED & SEED

ALFALFA HAY: BIG Rounds. 3x4 squares, RFV 150-209. 620-794-4362.

PASTURE

FAMILY FARM WANTS TO lease your pasture or hay ground for the 2018 season and beyond. 30 mile radius from Valley Falls KS. We will maintain it and take good care of it. Call 913-645-3821

NEED PASTURE NEXT summer. Cows and calves or fall calving cows. Phil Robinson 785-456-3952

PASTURE FOR SALE 150 acres NW of Alma, off of Wabaunsee Rd. New fence, 4 ponds, brome/ native grass. Larry Nutsch 785-532-8663.

PASTURE WANTED SHORT and long term within 1hr of Abilene. High-school sophomore and have had own herd for over 5 years, looking to grow. Call Will, 785-280-2499.

AUTOMOTIVE

1927 DIAMOND T CAB AND chassis, no bed. Cab and interior rusty, missing 1 door. Fenders, front bumper and radiator there. True dual wheels on rear, engine free. 913-634-



Grass & Grain, November 28, 2017

REAL ESTATE **FARM & RANCH**

Land For Sale Ottawa Co.- 10 Acres m/l building site with Old Highway 81 frontage North of Bennington. Chris 493-2476 Ottawa Co.- 20 Acres m/l building site with Old Highway 81 frontage North of Bennington. Chris 493-2476 Ottawa Co.- 20 Acres m/l building site with Old Highway 81 frontage North of Bennington. Chris 493-2476 Saline Co .- 34 Acres m/l. Building Site in Smoky Valley School District. All native grass and some trees. Chris 493-2476

Homes For Sale

Saline Co.- 4.6 Acres m/l. 2128 Sq. Ft. Home w/Bsmt. 36x54 Outbuilding. Southeast of Saline Schools. Chris 493-2476

Saline Co.- 12.5 Acres m/l 2 Story farmhouse with 4 bedrooms & finished basement Fenced pasture. Chris 493-2476

Saline Co.- 2.7 Acres m/l. 2 Story Home. Almost everything replaced in home in 2005 54x99 Morton Building. Chris 493-2476

Saline Co.- Southeast of Saline. 2.97 Acres m/l. Nice Setting. Detached Garage with workshop. Nancy 822-1960 Saline Co.- 5 Acres m/l. High Quality Newer Home with 5 Bedrooms. 3 Car Garage Close to Stocked Pond. Amber 820-7472

Saline Co.- 4.76 Acres m/l. Incredible Limestone Home with Historic Marker built in 1871 with an award winning Historical Renovation by Medina Construction in 1991 Laura 822-2438

Ottawa Co.- 3.2 Acres m/l One of a Kind home. 1415 Sq. Ft. Barn & Corral, Amber 820-7472

Ottawa Co.- On 12 Acres m/l. 4000+ Sq. Ft of Living Space in the Ranch Style Home. Oversized 4 Car Garage. Very Secluded. Steve 342-9138

Farm & Ranch Division Of: COLDWELL Banker g

Antrim-Piper Wenger Realtors® 631 E Crawford Salina KS www.cbsalina.com 1-800-276-3641 Bala

oldwell Uniter Reit Fonne LLC. All Rights R Innker@ to a registered trademark licensed by @ Linne LLC. An Open Opportunity Constru-

LET THE CLASSIFIEDS WORK FOR YOU PLACE YOUR AD TODAY



Page 17 **REAL ESTATE**

FOR SALE:

– NEW LISTINGS – Pottawatomie Co. -N. of Westmoreland, KS 175 acres of clean pasture

with 25 acres brome grass and 150 acres native grass.

137 acres of native grass pasture with a timber area, spring water and a small creek.

Both properties have fair to good fences and both have building site potential, road frontage on 3 sides of both properties

For more info please call: **Cline Realty & Auction**, John E. Cline, Broker 785-889-4775

160 Ac Wab. Co. farm North of Paxico 160 acres with 97 acres crop ground, 52 acres pasture with pond, 5 acre farmstead area with usable farm buildings including a steel slant wall

machine shed that is 40' X 60' for \$371,000. **Contact Mike Pearl:**

785-256-5174 or 785-437-6007, www.pearlrealestate.org Pearl Real Estate & Appraisal Svs., Inc.

11 +/- acres in Morris county on HWY 77 on East edge of Herington. Call Tracy Jones Realty 785-258-4139.

DEEP CREEK AREA

3 bdrm 2 1/2 bath home on 3+ acres. Backs up to woods. Could have a horse. Close to town. \$315,000

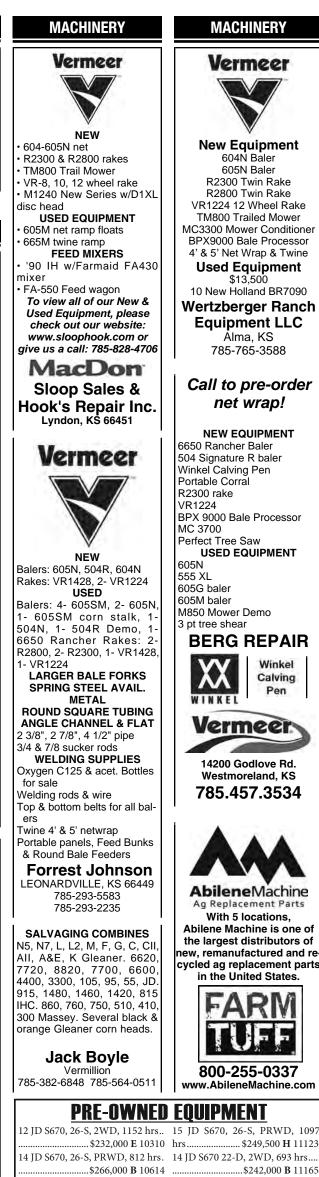
MORRIS COUNTY South of Council Grove, 200 +/- acres all pasture. Fenced and cross fenced. 2 large ponds and spring fed creek. Available November 1st. \$365,000

REDUCED

Attractive 4 bdrm 3 bath 3 car garage home on 8+ acres fenced. 16x36 bldg. with 2 stalls, tack room and storage. Close to Manhattan, Riley Co. Schools. \$328,000

Dolly Anderson, Broker G&A Real Estate, INC. 785-532-8801 Manhattan, Kansas dollyanderson.com







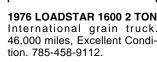
MACHINERY

MACHINERY

USED TRACTORS 13 Case IH Magnum 315, 1360 hrs 13 Bobcat CT450, MFD, cab, hydro w/ ldr, 285 hrs '01 Case IH MX220 MFD, 6,060 hrs '01 MF 6255MFD cab, ldr w/ grapple '98 Case IH 8910 MFD, 7630 hrs '79 IH 584 diesel w/ldr, 3525 hrs '41 IH Farmall A w/ Woods belly mower MISCELLANEOUS '14 Case IH 5130 Combine, 4wd 760 engine hrs, 510 sep. hrs '09 Case IH RB564 3600 bales Vermeer 604M Westendorf TA28 loader, 90" bucket, like new 10 CASE IH 1250 planter 12/ 30 Bulk fill 2- '06 Case IH 1200 PT 12/30 planters GP Turbo-Till 3000 ⁶07 Case IH RMX340 25' disc ⁶05 JD 2210 FC 35' float hitch IH 55 chisel 7' trailing IH 9' chisel, 3pt '82 JD 6620, 3200 hrs, 4WD '94 JD 915 flex '87 Case IH 1020 15' '89 Case IH 1020 25 IH 863 cornhead 95 Case IH 8465, A. baler IH 430 sq. baler twine tie Tonutti 8 wheel rake Bush Hog ATH720 finish 785-857-3257 mower, 6' **NEW EQUIPMENT** Case IH WD2504 SP Windrower w/ RD 163 disk header Farmall 35A & 40A series 2 w/loader Farmall 55C series 2 cab MFD w/ldr Farmall 35C series 2, MFD w/ldr Farmall 120U MFD, cab 2500 Ecolo-til 5 shank Several Bush Hog rotary mowers and tillers Bush Hog 2402 posthole digger CASE III ROSSVILLE Truck & Tractor

Mike's Equipment BUHLER, KANSAS 1-800-543-2535

5x12 KELLY RYAN FEED wagon in good condition. 785-



ROSSVILLE, KANSAS

785-584-6195

AGRICULTURE

re- rts	Fireston	
	18.4-38 SATII 8pr TL	\$710
		0 166D \$1,409
	380/85R30 RAD AT [DT \$738
	IF800/70R38 RAD D1	Г 173А8 \$3,305
m	Prices and Product availability are	e subject to change without notice.
	TOLL FREE	www.donstire.net
97 23	866-888-7838	ABILENE, KS
		White 2-155 OH @ 6000 hrs,
65		now 8000 hrs. Recondi-
s	IMPLEMENT	tioned york pice att/#EE2E

now 8000 hrs. Reconditioned, very nice. stk#5535.. .\$15,900 JRW snowblower, 3pt hitch mount. Stk#4424......\$900 1990 Case IH 5120 cab tractor, approx. 6,000 eng. hrs, 16x16 power shuttle, stk#5757 \$18,000 2015 MF 3710 spreader 175 bushel, lightly used. Stk#3480 consigned . \$9,500 White 2-62 FL forklift, High lit, extra good condition, Reverse-O-Torc 6 Cyl. diesel, few hours on overhaul, stk#2250 \$6,500 E-Z Trail GC37 header transport, red, 37', lights, brakes, straps. stk#2303.New in stock 2013 MF 2170XD, 15,700 bales, C1000 monitor, moisture sensor, roller chute, bale weight kit, stk#1552, 0% For 36 Month Financing......\$69,900 Central States DBS2000 Bale Spear, one owner, lightly used on Hobby Ranch, excellent cond., Stk# Consigned\$500 Michelin Agribib Radial tire set. Pair: 380/90 (14.9) R46 R1W on rims for Cast Centers (no Centers) Pair: 380/85R30

Equipment E. Hwy 30 & 10, POBox 2526 Kearney, NE 68848 **Delivery Available** 308-237-5810 www.midplainsonline.com

Tilt



Your Local Dealer for: TravAlong, PJ, Hillsboro, Sharp, Titan West, Hayliner, and Bradford Built.

Call to Lease or Purchase Grain **Trailers for Harvest**

Rocking "M" Trailer Sales 430 S. Colorado Waterville, KS 66548 Office: 1-866-261-2526 Shawn: 785-562-6614 Kelsie: 785-313-3233 www.rockingmtrailers.com



Eby is a 3rd Generation Family run business producing aluminum livestock trailers since 1938

For a quote, call local sales rep Stan Kolstad at 614-205-3282 or send him an email at Stan.Kolstad@mheby.com



'04 R75 RWA.....\$59,500 '01 R62.....\$54,500 '99 R62.....\$41,500 EZ Trail Gravity Wagons, Grain Carts, and Header Trailers.

Great Plains Tillage Tools

81 Farm Eq. Service McPherson,KS 620-241-3100 1-800-357-3101

HOT WATER PRESSURE washers, new or reconditioned. Wholesale Washer Co. 620-583-2421.

JOHN DEERE 1984 8650, bareback, 4-SCVs, 25 hours on fresh engine overhaul, low hours excellent paint, call or text 785-531-0266 for questions. Located Ellsworth, KS. Would be good drilling, planting, or tillage tractor.

Used Farm Equipment

Tillage • Grain Handling Loaders • and more

Check website for listings

Mellenbruch Machinery Soldier, Kansas 785-834-2541 Cell: 785-305-0234 www.mellenbruchmachinery.com

13 JD S670, 26-S, 2WD, 1742 hrs	14 JD S670, 26-S, PRWD, 1848
\$189,500 H 10644	hrs\$203,500 H 11272
13 JD S670, 22-S, 2WD, 1161 hrs	15 JD S670, 22-D, 2WD, 599 hrs
	\$251,000 B 11762
13 JD \$660, 22" UL DLS, 2WD,	15 JD \$670, 22-D, 2WD, 613 hrs
1009 hrs \$238,000 H 11015	\$251,000 B 11764
15 JD \$670, 22-D, 2WD, 712 hrs	06 JD 9660STS, 2WD, 1858 hrs
\$272,000 B 11052	\$73,500 H 11949
13 JD S680, 26 S, PRWD, 870 hrs.	
\$225,000 B 11085	
φ223,000 b 11063	
Carr	ico_
IMPLE	MENT
	Ellsworth, KS 300 W 48th Street • Hays, KS
()	22-9600 (800) 658-4640
www.carricoir	nplement.com
TRACTORS/SKID LDRS	head with corn reel
1997 NH 8870 2WD, 7900	2004 Case IH 2366
hrs	AUGER & GRAIN CARTS
2014 JCB205 skid loader	New Parker 839 grain cart
2015 Farmall 75C, cab,	Parker 624 grain cart
MFD, Idr, 75 hrs.	Parker 510 grain cart, cor-
2000 Bobcat 763 2800 hrs	ner auger
2015 JCB 280 skid loader,	UFT 500 grain cart, 1000
105 hrs.	PTO side auger
2015 JD 323 E track skid	MISCELLANEOUS
loader, 140 hrs.	New Danuser Intimidator
Cat 8' roll out bucket, off	skid steer tree puller
928G	New Holland 8' skidsteer
2013 JCB260 skid loader	snowblade
2012 NH T6.165 MFD	New Rhino 2150 15'
loader tractor	1100 IIIIIO 2100 IU
IUAUEI LIAULUI	Batwing shroddor
	Batwing shredder
2008 JCB 536-60 Agra telehandler 2,800 hrs	Batwing shredder New Brown 10' & 12' box scrapers

13 JD S670, 26-S, 2WD, 1563 hrs.. 14 JD S670, 22-S, 2WD, 1380 hrs..

\$218 500 H 11169

...\$189,500 **H** 10643 ...

201

201

200

201

2013 JD 323D track skid

1979 IH 1486 w/ Do All

HAY EQUIPMENT

1995 Hesston 1160, 14'

2003 Hesston 956A, 6700

Vermeer M7040 7' rotary

New MacDon R116 Moco.

New H&S 1660 16 wheel

1997 Hesston 565A round

COMBINES

1986 Case IH 1063 corn-

/ermeer BPX 9000

disk mower

Hi Cap rakes

loader, 560 hrs.

3100 ldr

MoCo

bales

baler

scrapers 2011 Sunflower 1435-40 split wing disc Icon 1632 grader rear steer HESSTON AGCO FARMHAND **SUPERIOR** IMPLEMENT, INC. 402-879-4723 Evening: 402-879-3719 SUPERIOR, NEBRASKA

IN STOCK- NEW MASSEY FERGUSON HESSTON **2900 SERIES**

1986 Peterbilt 350 Cummins big cam 4, 9 spd, unknown miles. \$13,500 2015 MF 2706E w/L135E ldr, 100 eng. hrs, like new, Hydrostat Trans., 1 rear remote, wheel weights, L72" HD bucket w/Tooth bar, 3rd function installed on ldr. no grapple, bale spear, extra bolt on Tooth Bar for Idr bucket. War. expries 3/10/18 on tractor, 3/10/21 power train. Stk#4042/4089 consigned.....JUST IN 2013 MF 4609 tractor 4WD cab. 16.9x30 rear tires, wheel weights, MF DL260 ldr, rear wheel weights, 330 eng. hrs. Stk#6123 . \$42,500 2012 Case IH 340 Tandem disc 22', very good cond. 3 row coil tine finishing harrow. Stk#6175.....COMING IN 1983 Gleaner L3 eng. hrs 4,200, sep. hrs 3,200, good cond., RWA. Duetz Allis 20' series 3 flex head-rebuilt, verv good cond. A630 corn head w/corn reel, good cond. A630 corn head for parts. Stk#consigned \$13,000 Diamond side mount mower, 64" wide, Ser#2142 CALL MF 1100 diesel w/ldr & box blade. 3,900 hrs, clean, runs good, stk#6031 \$5,900 2006 Heston 9260 SP windrower, 2800 eng. hrs, Cummins engine, 9075 rotary header 15'. Stk#3184\$42,500 Farm King RS16FK 16 wheel Hy Capacity rake, stk#2836.\$11,000 Kubota M6-111 24x24 Intellishift, power shuttle, grill guard (75 hrs), AM/FM/CD stereo, rear worklight, HD metal fuel tank guard, deluxe self cancelling detent valve, 3 remotes. Stk#6042

......\$69,900 Utility service bed\$1,900 OBO

R1W on Waffle Wheels off of 2013 MF 7615 w/765 hrs.....\$3,900

2013 Woods PRD7200 finish mower, barely used, MF red brand, 72" wide premium. Stk#1022 consigned .. \$1,900

Lawrence, KS 785-843-8093 800-654-5191 Fax: 785-843-1014



MASSEY FERGUSON®

MACHINERY

Case & IH

Tractor Salvage

Case 300's thru 2096

IH 460's thru 5488 Over 1000 Tractors on shelf New & Rebuilt parts for all brands of tractors/ combines Want to buy Case & IH salvage tractors Elmer's Repair CENTRALIA, KS 785-857-3248

www.elmersrepair.com

FOR SALE OR TRADE

Gravity Wagons New Holland 258 rakes: 1 ground driven, \$1,575; 1 hydraulic driven, \$3,650

> Cooter's 785-562-2027 785-562-6131

Guaranteed Used Truck Tires, most sizes GeeTire.com Rossville, KS. 785-231-8397

BRUNA IMPL. CO. HAY EQUIPMENT:

2015 Case IH WD1504 w/16', 1 hrs.....\$106,500 (M) 2015 Case IH WD2504 w/16', 103 hrs..... \$138,500 (S) 1990 Case IH 8840 w/16', 1732 hrs.....\$24,500 (M) 2002 Case IH DCX161 16' \$15,500 (W) 2014 Case IH DC133 13' \$27,500 (S) 2010 Case IH DC132 13'\$23,900 (C) 2013 NH H7450 14'..... \$22,000 (W) 2004 JD 567 baler, \$9,950 (C) 2014 NH 560 baler..... \$25,500 (S) 2011 Vermeer 605SM baler\$29.500 (W) 2001 Vermeer 605XL baler

.....\$6,800 (H) TRACTORS:

2014 Case IH Magnum 380 CVT, 1140 hrs.\$194,500 (H) 2014 Case IH Magnum 340, 495 hrs...... \$186,500 (S) 2011 Case IH Magnum 260, 1310 hrs..... \$134,500 (S) 2013 Case IH Magnum 210 CVT, 5816 hrs.. \$89,500 (W) 2011 Case IH Maxxum 140 w/

- ITEMS FOR SALE -LARGEST SELECTION OF CULTIVATORS IN

KANSAS! GIVE US A CALL! IH 1086 tractor CALL JD 4430 tractor PS \$12,000 JD 4455 tractor, 6700 hrs, NICE CALL JD 6125M MFWD tractor PQ3 remotes, 3797 hrs CALL JD 920 rigid head...... \$4,000 1990 JD 853A rowhead\$14,000 2004 JD 893 cornhead 8R30 CALL JD 644 cornhead 6R36.\$4,750 2009 CIH 2152 rigid draper, 40' CALL

new\$950 Landpride 3 pt 10' rotary mower, used very little\$8,000 Used Farmhand #236 Id w/66 mounts\$4,000 IHC 1086, 7000 hrs, new rubber, w/3100 Du-Al Idr 8 grapple\$19,995 2001 Dodge 2500 series diesel, 6spd 4x4, w/utility box\$6,000 CASE III AGRICULTURE WINCHELL'S, INC. Phillipsburg, KS 785-543-2118 Tire Town Inc. 18.4-34 new, 10p\$575 11L-15 rib 12p, new\$90 800/70R38, 80%\$1,500 16.5L-16.1, 10p, new\$235 20, 8-38, 10p, new\$760 18.4R46, new\$1,450 Nationwide Shipping WE DEAL Other Sizes and Prices New & Used 800-444-7209 800-451-9864 913-441-4500 913-682-3201 ldr, 2582 hrs \$77,500 (C) 1998 Case IH MX120 MFD w ldr, 7648 hrs\$39,500 (M) 1993 Deutz-Allis 9130 MFD 6500 hrs..... \$28,000 (W) 1997 NH 8770 MFD w/ldr. 4229 hrs..... \$55,000 (S) PLANTING & SEEDING: Case IH 1250 24BN FF w liquid\$65,000 (H) Black Machine 12-20 w/liquid\$13,500 (H) Kinze 3600 16RN w/liquid\$46,500 (S) JD 7200 12RN w/liquid\$16.500 (C Case IH Precision Disk 500T 25'..... \$93,500 (W) JD 1990CCS 30'.. \$79,500 (C) Bruna Impl. Co. (C) - Clay Center: 785-632-5621 (H) - Hiawatha: 785-742-2261 (M) - Marysville: 785-562-5304 (S) - Seneca: 785-336-2111 (W) - Washington: 785-325-2232 List of our entire used inventory on: www.brunaimplementco.com CASE III AGRICULTURE Sunflower Fallowmaster 42'CALL Anhydrous Knife machine Flex-King......\$15,000 JD 885 cultivator 3pt 8r30.CALL Lindsay scraper 4yd..... \$4,000 JD 900 ripper CALL 2007 JD 1990 CCS air seeder\$60,000 2010 JD 1770 NT planter

MACHINERY





MACHINERY





Grass & Grain, November 28, 2017 Page 19 Sink, Gordon & Associates, LLP acquires Redding Accounting and Tax Service

Sink, Gordon & Associates, LLP, based out of Manhattan, has announced their recent acquisition of Redding Accounting and Tax Service, a long-standing accounting firm in the region, effective November 20, 2017.

"For decades, both accounting firms have provided the northeast Kansas region with dependable, precise and personalized accounting services. We welcome Redding Accounting and Tax Service clients to SGA and look forward to providing them with the unmatched service they expect moving forward," shared Roger Sink, senior partner of Sink, Gordon & Associates, LLP.

Sink, Gordon and Associates, LLP, is rooted in providing personalized, diligent, and secure solutions to each client. SGA provides tax planning and preparation, estate and trust planning, bookkeeping, assurance, payroll, information technology and business valuation and consulting services.

Growing from a few staff in 1946 to over 60 employees, SGA leverages the knowledge that comes from decades of experience to professionally advise their accounting clients. As their years of experience have accrued, the world of tax and accounting services has evolved; and SGA's commitment to each client's success in any generation continues to be paramount.

Support the Angus **Foundation in Las Vegas**

Five exclusive packages will be auctioned off as part of the National Angus Finals Sale hosted by Decades of Excellence, American Angus Hall of Fame and Angus Live.

If you're looking for a Christmas gift that will be remembered, the Angus Foundation can help! Five unique packages will be sold in support of the Angus Foundation during the National Angus Finals Sale in Las Vegas, Nevada, on Dec. 10, 2017.

"These offerings are very exciting," says Milford Jenkins, Angus Foundation president. "Unrestricted funds raised through the sale of these five packages will boost Angus Foundation youth, education and research activities for 2018."

The Angus Foundation was invited to participate in the auction by Decades of Excellence, the American Angus Hall of Fame and Angus Live. The Angus Foundation will offer the following packages at auction:

2018 Angus Foundation Golf Tournament Event Title Sponsorship—As the event title sponsor, your farm/ranch/company logo will be displayed on banners at the event, promotional brochures, the Angus Foundation website and a complementary, full-page, four color ad in the National Junior Angus Show (NJAS) event program.

In addition, you will receive publicity through news releases and other media distributed by the Angus Foundation about the golf tournament. And of course, you will receive four complimentary rounds of golf at the tournament at the Pleasant View Golf Course, Middleton, Wisconsin. Lathrop Livestock Transportation- Randy and Holly Lathrop of Lathrop Livestock Transportation, Dundee, Illinois, will provide hauling services for three lots of Angus cattle from a sale(s) to the buyer's farm or other destination in the U.S. agreed

upon by the buyer and Lathrop. Relax at the Bilt-

more- Enjoy a luxurious four-day stay at The Inn on Biltmore Estate® near Asheville, North Carolina. Package is valid June-September, 2018, and includes: two-night stay, daily chef's breakfast buffet, welcome basket of Biltmore wine, fruit and cheese in your room upon arrival, and estate daytime admission for the length of your stay.

CMA Awards-Enjoy bronze-level tickets for the Country Music Awards in November 2018; platinum package passes to the Country Music Hall of Fame and Museum, including a tour of Studio B; round-trip airfare for two; three nights of hotel accommodations; and concierge service to assist in planning your getaway.

Action-Packed Weekend at the 2018 Kentucky Derby—This exquisite package includes two tickets in luxury suite seating at the Kentucky Derby in Millionaire's Row on Saturday, May 5, 2018, including all food and alcohol; two tickets in premium reserved grandstand seating at the Kentucky Oaks Race on Friday, May 4, 2018; and two tickets to the Taste of Derby on May 3, 2018, which includes a live chef cooking showdown and live entertainment. Lodging for three nights at the Galt House Hotel can be purchased for an additional \$6,000 above the winning bid amount paid to the Angus Foundation. Airfare not included. "Any of these packages would make a unique and memorable Christmas gift, and at the same time will bring recognition to your farm, ranch or company," Jenkins says. "The Angus Foundation is delighted to offer these packages for Angus enthusiasts' bidding pleasure either in person or online via AngusLive. com, and we're honored to partner with the hosts in this unique Angus event held during the National Finals Rodeo in Las Vegas."

16R30\$40,000 CIH disc chisel \$5,000 JD 1700 planter 8R30, \$10,000 Wemco header trailer 32 & 35 ft. NEW CALL Several cornheads & flexheads in stock CALL

Complete listing on our web

www.jonesmachineryinc.com

BUY/SELL/TRADE DAILY

HB3100, HB3200, HB3250, HB3300, HB3350, HB3550, HydraFeeders, Across the bed

Agco 3000 hugger cornhead
8R30 CALL
NH bale wagon\$2,000
2011 MF 9435 swather 1700
hrs, clean CALL
H&S 1460 rake 14 wheel CALL
2013 Vermeer MVR 1428 rake
14 wheel CALL
NH 256 hayrake\$1,000
JD 705 hayrake\$5,500
Haybuster 2620 bale
processor\$11,500
2008 Kuhn Knight 5156 mixer
wagon CALL
Sunflower 1434 Disc, 23'
\$15,500

Smith Center, KS 785-282-3000 785-282-0432 Cell 785-686-4005 **Evening Calls Welcome** MACHINERY, INC

— PLANTERS/DRILLS —	
96 JD 1760 12-30'\$17,500	
11 JD 1770 16-30"\$69,500	
08 JD 1770NT 24/30.\$59,500	
10 JD 1790 16/31\$89,500	
15 JD 1795 12/23\$102,500	
12 DB60 24/47\$189,500	
13 DB90 36row \$149,500	
01 Kinze 16/31\$35,000	
12 Kinze 16/31\$74,500	
08 Kinze 16/31\$56,500	
13 Kinze 16/31\$95,500	
— COMBINES —	
16 JD S680\$305,500	
13 JD 5680 4wd\$209,500	
17 JD 5670 4wd\$319,500	
16 JD 670\$219,500	
14 JD 670\$189,500	
12 JD S670 4WD\$164,500	
10 JD 9870\$124,900	
04 JD 9660\$74,000	
90 JD 9400\$29,500	
08 NH CR930\$76,500	
Corn heads	
- SPRAYERS & APPL	

- SPRAYERS &	APPL.—
'15 JD 4038 100'	.\$217,500
'15 JD 4030	.\$199,500
'14 JD 4830	.\$149,500
'12 JD 4730	.\$139,500
'08 JD 4730 100'	\$87,500
'13 JD 4630	.\$109,500
'11 JD 4630	\$79,500
'02 Willmar 8500	\$43,500
'09 Spray Coupe 44	60\$52,500
'08 CIH 4520	
'04 Peterbilt floater	\$59,500
- TRACTOR	s —
'16 JD 9620 RX	.\$424,500

'16 JD 9570 RX\$409,500 '02 JD 8520\$89,500 '16 JD 8370 RT.....\$247,500 '16 JD 8370 R.....\$269,500 '14 JD 8345 R.....\$229,500 '12 JD 8335 RT.....\$179,500 '10 JD 8320 R.....\$129,500 '11 JD 8335 MFWD .\$157.500 '11 JD 8255 MFWD .\$159,500 '84 JD 4850 MFWD ...\$29,500 '82 JD 4640\$21,500 '15 JD 6155M\$97,500 '14 JD 6125M\$97,500 '13 CIH 290.....\$159,500 '06 CIH 275.....\$74,500 – TILLAGE – '13 JD 2623VT 30'\$42,500 '11 JD 2310 45'.....\$65,500 '14 JD 2210 64'.....\$52,500 '13 JD 2210 28'.....\$29,500 '13 JD 20' 2623VT\$36,500 '05 JD 512 22 1/2'.....\$29,500 '11 CIH 330 34' VT\$32,500 '06 SF 1444 40'\$29,500 '11 CIH 370 30'.....\$34,500 785-742-7121 HIAWATHA, KS 66434 www.hiawathaimplement.com



toolboxes. Underbody Toolboxes, & HydraTM2000 3-point tractor mount bale handler/ unroller. Welding Supplies & Gases Interstate Batteries **Ranch Hand Grill Guards & Bumper Replacements Chevron Lubricants** Steel - Square Tubing, Flat & Angle **Gates Hydraulic Hoses**

VersaTote 120 & 160 bushel

creep feeders, Mineral feeders

HYDRA BED



Alma, KS 785-765-3588

BUILDINGS / BLDG MTLS.

Butterfly Supply, Inc. 800-249-7473

 Tubing • Rods • Cable • Guardrail
 Clips

STEEL FENCING & BUILDING SUPPLIES www.butterflysupplyinc.com





STEEL BUILDING **INVENTORY SALE I-Beam Construction** Easy Bolt-Up Design 40x65, 60x90, 100x150

Many Others Available

(800) 369-3882 www.toplinebuildings.com sales@toplinebuildings.com LARRY'S PORTABLE Sawmill service, can come saw your logs. 785-776-8153. 785-565-2647.

SOIL TESTING, LAB WORK, fertilizer and lime recommendations. Call Suther Ag Services. 785-457-3440

IRRIGATION

VFD CONTROL PANEL 80HP 3yrs old, 600 volt, 3 phase, electrical disconnect. 620-241-0845.

HARVESTING

WE WILL CUSTOM CUT your hay. We are building our schedule for 2018. 30 mile radius of Valley Falls, KS. Shares or cash. Net-wrap, nice 5x5 bales. 913-645-3821



DAMAGED GRAIN WANTED STATEWIDE

We buy damaged grain, any condition -wet or drvincluding damaged silo corn. **TOP DOLLAR!** We have vacs and trucks.

CALL HEIDI OR GARTON **NORTHERN AG** SERVICE, INC. 800-205-5751

MISCELLANEOUS

COMPLETE BLACKSMITH shop inventory. 785-691-6349.

ESTATE AUCT SATURDAY MORNING, DECEMBER 16, 2017 11:00 AM

805 E. Hwy. 16, OLSBURG, KS • Auction Location: At the property

Legal Description: 2.1 acres in Lot One (1) in the Lee Thomas Addition in the City of Olsburg, KS. Exact legal to appear on the deed.



This property includes a 54 ft. X 100 ft. metal on wood frame warehouse building, complete with concrete floor, 2 roll-up doors, 4 walk-thru doors, office and lobby area, restroom area, 3 furnaces and a 1,000 gal. propane tank. This building has many potential uses. There is a large, graveled area in the back of the building plus gravel on all sides with easy access from the street. Come take a look!

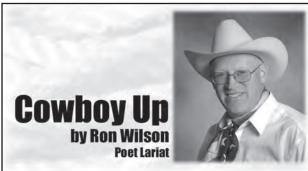
For more info or viewing, please call John E. Cline, 785-532-8381

Terms: The seller requires 10% down day of sale with the balance to be due on or before February 16, 2018. Possession to be upon closing. Buyer and Seller to equally split the title insurance and closing costs of title company. Taxes to be pro-rated to date of closing. Property sells in "As Is" condition. Statements made sale day take precedence over printed material. Sale subject to Seller's confirmation. Cline Realty & Auction, LLC represents the Seller's interests.

SELLER: POTTAWATOMIE COUNTY

Auction Conducted By: CLINE REALTY & AUCTION, LLC ONAGA, KANSAS • 785-889-4775 John E. Cline, Broker-Auctioneer, 785-532-8381 www.mcclivestock.com/clinerealty

Grass & Grain, November 28, 2017



Here, Kitty, Kitty

It was the great kitten rescue of 2017.

We have several cats here at the ranch. Thanks to my kind-hearted daughters (and over my objections), we have a couple of cats that live in the house. As far as I can tell, these cats' primary role is to lay around, eat, fill the litter box, and ruin the furniture. Outside, on the other hand, we have the barn cats. These cats are mousers. I feed them in the granary so that they are close to the feed storage and tackroom. As rodent control, they earn their keep.

There is a marked contrast between the lifestyle of house cats and barn cats. House cats are



HolstonCreekWelding.com

doted over and pampered on cushions. By contrast, the barn cats face the hazards of outdoor life and live by their wits. They are half-wild, have low expectations, and are perfectly content to nestle in the straw.

If cats drove pickups, the house cats would be driving a 2017 Dodge Ram 1500 Limited with GPS, duallys, chrome rims, and heated leather seats, while the barn cats would be driving a rusty 1992 Ford F-150 with mismatched tires, cracked windshield, a side panel in a different color, and red tape covering a broken tail light. (Come to think of it, my old truck is like that. See following poem.)

This summer, one of the barn cats had a litter of kittens that I called a "variety pack." Every kitten was a different color. One was yellow, one was calico, one was gray-striped, one had a white collar and stockings, and one was tan with a kind of Siamese look. I tried to catch and gentle them, but they were all wild.

One day I heard a persistent mewing from the granary. I took a quick look inside, didn't see a kitten in distress, and went on with my work. That night, I heard it again. A more thorough search still did not reveal its hiding place. Surely the mother would come get it. But the next morning, the kitten was still meowing. It was time to get to the bottom of this.

The sound seemed to come from the east end of the granary, in a bin where we store spare lumber. We started to pull wood out of the bin. The external wood wall of the granary is covered in board-andbatten siding. Eight inches inside there is another unfinished board wall, from the floor to about two feet below the rafters. I took a close look and followed the sound. Was it possible that this kitten was down inside that wall??

Yes it was. Sure enough, that kitten must have climbed up on a stack of

lumber, gotten to the wall, and fell or climbed down inside. It was six feet down where no one could reach. We had gotten to the bottom of it, sure enough. That's where the kitten was. It was stuck.

I puzzled over what to do. The last resort was to saw an opening in the inside wall, but my hired helper found a short board that he could pry loose toward the bottom. He needed leather gloves because the kitten was scared and mad, but with those gloves he was able to reach in and grab the kitten and pull it out. It was the Siamese. The kitten wriggled away and was soon reunited with its mother. The great kitten rescue of 2017 was complete.

It adds another hazard to those in the life of a barn cat.

Cow-Cats

By Ron Wilson, Poet Lariat Lazy cats at our house must be smart as a fox: Humans feed and care for them, and clean their litter box. These cats must have trained their humans well, To do their bidding, as anyone can tell. But for barn cats, there's no cushion to nap. Their role is to be a moving mousetrap. They guard the barn on every occasion And protect against any critter invasion. Life for them's not pampered nor sublime. Outdoors is where they spend their time. So we salute barn cats, with catnip unfurled. They're kinda like cowboys of the feline world. Happy Trails! www.ronscowboypoetry.com

© Copyright 2017

Dicamba the topic of Agronomy Night set for December 13th

Dicamba has dominated the crop production headlines for much of the past year. The Wildcat Extension District will host an educational meeting covering Dicamba at the annual Agronomy Night Meeting on Wednesday, December 13th at the Independence Civic Center (corner of Penn & Locust). Meeting attendees can arrive at 5:30 p.m. and mingle with the sponsors of the event. The presentations will begin at 6:00 p.m.

Featured speakers include Roger McEowen, Washburn University Kansas Farm Bureau professor of Agricultural Law and Taxation, and his presentation titled "Legal Issues Associated with the Use and Application

of Dicamba" and Doug Shoup, Southeast Area Crops and Soils specialist, will present "Planning a Dicamba Weed Management Program."

In addition, Josh Coltrain, Wildcat Extension District Crop Production agent, will present the "Impact of Corn Emergence on Neighboring Plants," which includes results of some local research.

Please call the Independence office at (620) 331-2690 by December 8th to pre-register for the meal that is being provided. For more information, contact Josh Coltrain, Crop Production agent, jcoltrain@ksu.edu or (620) 724-8233.

2018 conference for Kansas women in farming set in Manhattan

"Maximizing My Influence: Farm, Community, Consumers" is the focus of the award-winning Women Managing the Farm Conference, set for February 15-16, 2018 in Manhattan. Since 2005, this event has been bringing together women who help provide the nation's food supply. The Women Managing the Farm conference provides a supportive setting in which women can develop the skills, resources and knowledge needed for success in a competitive agricultural environment.

Conference sessions and speakers are selected and designed to keep women up-to-date on the latest advancements in agriculture and thriving within their rural communities. During the twoday conference, attendees select from presentations covering many topics, including farm finances, relationships and health, agricultural and estate law, crop production and marketing, management and more. Attendees also choose networking sessions tailored to the different roles women hold, such as agricultural partners and helpers, independent producers, absentee landowners, ag industry career women and business managers. Optional pre-conference workshops are offered on February 14, with activities including "A Farmer's Guide to Quickbooks" and "Connecting to Consumers: Storytelling and Content Strategy for Social Media."

will open Thursday morning with an energetic program by Marji Guyler-Alaniz, founder and president of FarmHER, an organization that showcases women in agriculture. Other exciting general session presenters for 2018 include Naomi Blohm, agriculture economist and market advisor with Stewart-Peterson; Allyson Perry, community advocate with The Center for Food Integrity; and Mary B. Lucas, speaker, people connector, and author of Lunchmeat & Life Lessons: Sharing a Butcher's Wisdom. Thursday evening's activity will feature Chef Renee Kelly, host of Kansas City's local TV show "Harvest with Renee Kelly." Chef Kelly's show focuses on telling the sto-

ers, programs, exhibitors, registration and scholarships can be found at the new website, www.womenmanagingthefarm.com, or by calling 785-532-2560. Keep up-to-date with the latest Women Managing the Farm news through Facebook.com/Women-ManagingtheFarm.

The 2018 Women Managing the Farm Conference is slated for Feb. 15-16 in Manhattan. The two-day annual event brings together women from many sectors and proficiencies in agriculture and provides them with insights for building their ag stories and managing their farm investments. Keynoters include Naomi Blohm, marketing strategist; Marji Guyler-Alaniz of Farm-Her; Allyson Perry with The Center for Food Integrity; and Mary B. Lucas, author of Lunchmeat and Life Lessons. Attendees also choose from more than 30 presentations covering many topics, including farm finances, ag and estate law, production, marketing, management, relationships, and health. More details about the conference are available at womenmanagingthefarm.com or by calling 800-432-8222.

Marysville Livestock Sales Every Thursday at 12 Noon

Donnie Kirkham, Manager • 785-562-1015 1180 US Hwy. 77, P. O. Box 67, Marysville, KS 66508

No Sale, so no market report!

		EARLY CONSIGNMENTS FOR 11/30/2017								
	11 BLK COWS - SPRII	NG CALVERS RUNNING A	GES	25 BLK S	STRS/HFRS	550-750#	WV	HR		
	13 BLK COWS - SPRII	NG CALVERS 2-6 YRS OL	D	52 BLK 8	& CHAR STRS/HFRS	550-750#	WV	HR		
	4 RED ANGUS PAIRS	MIDDLE AGE		12 MIX H	IFRS	600-650#	WV	HR		
	45 BWF & RED BALD	Y Strs/Hfrs 450-600# W	/V HR	60 BLK S	STRS	600-750#	WV	HR		
	45 MIX STRS/HFRS	450-650# W	/V HR	47 BLK S	STRS/HFRS	650-800#	WV	HR		
	7 BLK & RED HFRS	500-550# W	/V HR	3 BLK BI	JLLS	825-875#	WV	HR		
	32 CHARX STRS/HFR	S 500-650# W	/V HR	35 BLK 8	& RED STRS	850-900#	WV	OG		
	65 XBRED STRS/HFRS	S 500-800# W	/V HR	62 BLK S	STRS	875-900#	WV			
	20 BLK STRS/HFRS	550-600# W	/V HR	цере						
	27 BLK STRS/HFRS	550-650# W	/V HR	пекс		NCE SALI	D	EC. /		
	85 MIX STRS/HFRS	550-700# W	/V HR							
	110 MIX STRS/HFRS	550-750# W	/V HR	HOL	STEIN SPECIA	L - DECEI	MBE	R 28		
			F	IELDMEN						
,	Jim Dalinghaus	Dave Bures, Auction	eer	Jeff Cook	Greg Anderso	n Trevor	Lun	dberg		
	785-799-5643	402-239-9717	7	785-564-2173	785-747-8170	785	-770-	2271		
	Baileyville, KS	Odell, Nebraska		Hanover, KS	Waterville, KS			t. KS		





ONE MULTI-TASKER DESERVES ANOTHER.

From field to feedlot, you need a tractor that can multi-task as well as you do. Case IH FarmalI™ 100A series tractors are tough, reliable, remarkably versatile and an excellent value. The transmission, engine and hydraulic systems work seamlessly to make complex chores easier and faster than ever. The simple-touse controls allow you to get in and go, and the comfortable operator environment makes a long day seem short. With four models available in cab or non-cab versions and two-wheel drive or optional mechanical front-wheel drive configurations, you're sure to find one that's right for your operation and budget.

SEE US TODAY!

Bruna Implement 5 Kansas Locations www.brunaimplementco.com Rossville Truck & Tractor Rossville, KS 785-584-6195 McConnell Machinery Lawrence, KS 785-843-2676

Straub International • 7 Kansas Locations www.straubint.com



The 2018 conference

ries of the relationship between farmers and chefs.

Registration for the conference is available at womenmanagingthefarm.com, with an early bird rate of \$140 available through December 15. After this date, regular registration fee is \$160 through February 2. The Women Managing the Farm Conference is sponsored by various agricultural organizations. More information about speak-





Your source for Kansas Ag News on television

Sunday Mornings

@ 6:30 am

B

www.kansasagreport.com

Livestock haulers get waiver from ELDs regulation

The U.S. Department of Transportation (DOT) has granted drivers who haul livestock a 90-day waiver from a regulation that could have negative effects on animal well-being, a move hailed by the National Pork Producers Council.

NPPC requested on behalf of the U.S. pork industry and other livestock sectors a waiver from a requirement that certain drivers install Electronic Logging Devices (ELDs) on their trucks. The organization also asked for an exemption from the regulation, citing the incompatibility between transporting livestock and DOT's Hours of Service rules. Those regulations limit truckers to 11 hours of driving daily, after ten consecutive hours off duty, and restrict their on-duty time to 14 consecutive hours, which includes nondriving time.

"The ELDs regulation poses some serious challenges for livestock haulers and the animals in their care," said NPPC president Ken Maschhoff, a pork producer from Carlyle, Ill. "This waiver will give the department time to consider our request that truckers transporting hogs, cattle and other livestock be exempt from the ELDs mandate.

"Drivers transporting livestock have a moral obligation to care for the animals they're hauling."

The Commercial Motor Vehicle Safety Enhancement Act, enacted as part of the 2012 Moving Ahead for Progress in the 21st Century Act, mandated that ELDs be installed by Dec. 18, 2017 in commercial

motor vehicles involved in interstate commerce, when operated by drivers who are required to keep records of duty status. ELDs, which can cost from \$200 to \$1,000, record driving time, monitor engine hours, vehicle movement and speed, miles driven and location information.

DOT recently issue an interpretation intended to address shortcomings in its Hours of Service rules, exempting from the regulations and from any distance-logging requirements truckers hauling livestock within a 150 air-mile radius of the location at which animals were loaded. The department soon is expected to publish guidance on the air-mile exemption.

pig farmers co ibiotic stewardship ntinue focus on ant

America's 60,000 pig farmers continue to make progress in their quest for superior antibiotic stewardship to help protect people, pigs and the planet. On their behalf, the National Pork Board was pleased again to celebrate U.S. Antibiotic Awareness Week and World Antibiotic Awareness Week with organizations such as the U.S. Centers for Disease Control and Prevention (CDC).

"This week of antibiotic awareness is a good time for those of us in the pork industry to reflect on our long history of accomplishments with antibiotics, such as using these medications responsibly and embracing the updated Pork Quality Assurance® Plus (PQA Plus®) certification program," said National Pork Board president Terry O'Neel, a pig farmer from Friend, Nebraska. "As pig farm-

ers, we are aware of issues such as antibiotic resistance, and we are dedicated to working hard to preserve the effectiveness of antibiotics, both on the farm and in human medicine."

This year, the CDC changed the name of its educational outreach to Be Antibiotics Aware. The national effort focuses on how everyone can help fight antibiotic resistance and improve antibiotic prescribing and use. The agency says while antibiotics save lives, they can cause side effects and lead to antibiotic resistance. The CDC estimates at least 80 million antibiotic prescriptions each year are unnecessary for human patients, which makes improving antibiotic prescribing and use a national priority.

"Antibiotic resistance is a public health issue with numerous contrib-

utors across human, animal and environmental health." said Heather Fowler, D.V.M., director of producer and public health with the National Pork Board. "Because of this, pig farmers understand the key role they and their herd veterinarians play as part of the overall One Health, multi-disciplinary approach to antibiotic stewardship."

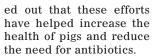
Fowler believes ongoing collaboration with academia, governmental agencies and non-governmental organizations is the best way to move forward in solving the complex global issue of antibiotic resistance. As examples, she points to yet another revision to long-time programs such as PQA Plus to focus even more on antibiotic stewardship. She also noted the Pork Board approving a Checkoff investment of more than \$6 million for antibiotic-related studies since 2000, which includes novel work on antibiotic usage standards and metrics

At the national level, the Pork Checkoff has been very active in its ongoing

2MEN

mission of education and outreach to all audiences about how America's pig farmers are progressing on antibiotic stewardship. During 2017, the National Pork Board hosted a live webcast that brought together experts in farming. veterinarian medicine and the retail and foodservice industries. This event drew more than 60,000 online viewers, with 400 pork producers in the studio audience. A replay of the broadcast can be viewed online at RealChangeOn-Farms.org. The Checkoff also participated in a panel discussion at the annual Global Ag Investing conference in New York City to address the shared responsibility of antibiotic use in both animal and human health. Closer to home, the National Pork Board hosted an Iowa farm tour with 20 National Press Foundation journalist fellows.

From a producer perspective, O'Neel said 2017 has been another milestone in antibiotic stewardship, with farmers taking even more proactive steps in pig management and biosecurity. He point-



"Last January, the implementation of Guidance 209 and 213 that expanded the Veterinary Feed Directive and eliminated the growth-promotion use of medically important antibiotics took effect," O'Neel said. "While some

of our detractors may have been expecting chaos on our farms, we proved them wrong. America's pig farmers simply did what we always have done. We stepped up and demonstrated our competency to practice good antibiotic stewardship and our ongoing dedication to doing what's right for people, pigs and the planet."

Page 21

. M	
	PERSONAL PROPERTY FARM AUCTION
6	SATURDAY, DECEMBER 2, 2017 — 10:00 AM
Š	2323 N. JACKSON — JUNCTION CITY, KS 66441
0	FURNITURE & APPLIANCES: Oak Buffet, Oak Rocker, Buffet
6	Table & Chairs, 2-End Tables, Kitchen Table w/4-Chairs, Several Occ Chairs, Dresser, Chest of Drawers, Oak 3 Drawer Dresser,
Š	Double Bed, Twin Bed w/Hollywood Frame, Box Spring & Mat-
$\langle \rangle$	tress, Computer Desk, Metal Storage Cabinet, 2-Card Tables w/
X	Chairs, Oak TV Trays, Oak 2 Drawer File Cabinet, Metal Clothes
8	Rack, Portable Sewing Machine, Panasonic Microwave, Cros-
6	by Heater, Glass Cabinet, Antique Trunk, 2 Antique Dressers,
Š	Garden Table, Coffee Table, Antique Mirror, Antique Magazine
$\langle \rangle$	Holder, 2 Wooden Kitchen Cabinets, Antique Rocking Chair,
X	Golden Wicker Chair, Antique Washbasin Stand/Cabinet, Metal Fold Out Table, Yellow Sewing Bench, 2 Metal Chairs.
K	GLASSWARE & COLLECTIBLES: Lots of Very Old Crystal and
6	Glassware (from the Harper Family) Milk Glass Lamps, Pie Plates,
Š	2-Sets Dishes, Pyrex Dishes, Crock Jar, Coffee Grinder, Wash Board,
0	Wedding Dress, 3-Stetson Hats, Bolo Ties, Snow Man Collection,
X	Picture Frames, 3-Quilts, Antique Miners Axe, Railroad Spikes,
X	Handmade Lamp Stand, Old Wooden Wine Box & Treasurer Chest/
6	Toy Box, Ducks Unlimited Print (Signed by Artist), Spoon Shelf w/
Š	Mirror, Wicker Chicken, Antique Coal Shovel, Advertising Sacks, Beer
8	Steins, Longaberger Basket Collection, Railroad Spike Man Statue. TOOLS & MISCELLANEOUS: Hand Tools, Step Ladder, Lawn
Ż	Chairs, Glider, CI Skillet, Canister Set, Sunbeam Mixer, Electric
X	Ice Cream Freezer, VCR Camera, CD's, Christmas Decorations,
6	Child's Toys, Artificial Flowers, Pedestal Fan, Snow Shovel, Army
>	Foot Locker, Box of Army Odds & Ends (Notebooks, Patches &
8	Hats), Wire Milk Bottle Basket, 3 Wooden Shelf, Heater, Wood
X	Knife Holder 2 Drawer File Cabinets, Dyson Vacuum, Toys MANY MANY MORE ITEMS TO NUMEROUS TO MENTION.
Š	MANT MANT MORE ITEMS TO NUMEROUS TO MENTION.
	MAX BROWN ESTATE & CHARLES HARPER
8	Terms: Cash, Check or Credit Card. NRFA. Lunch
	785-762-2266 FAX: 785-762-8910 JAY E. BROWN, Auctioneer, 785-223-7555
>	GREG HALLGREN, 785-499-5376 Junction City, KS
>	E-mail: jbrown@ksbroadband.net KSALLink.com • KansasAuctions.net

FARM SATURDAY, DECEMBER 16 — 10:00 AM 1364 Dobbin Rd. — BURLINGTON, KS

Auctioneer's Note: We are very honored to be representing Larry and Sandra Paxson with the marketing and sale of the entirety of their farm and ranch equipment in this upcoming retirement auction. You will search far and wide to find a collection of equipment as clean and reputable as what this auction contains. There's a large amount of low houred and always shedded machinery here with some still under warranty that will sell without reserve. There are financing options on some of this equipment through AgDirect. Pre-approval is required. Contact at (866) 507-6555.

TRACTORS & SKID LOAD-**ERS: 2016 New Holland T8**.300, 300HP, 4WD, 19 spd., powershift trans., 238

axles, 30' w/ dovetail; Shopbuilt GN flatbed trailer, 30', 10K Bulldog dual axles; 16' heavy built equipment trailer, pintle hitch

Soybean producers respond to withdrawal of biotech rule

In response to the U.S. Department of Agriculture's withdrawal of its proposed rule to overhaul federal regulation on biotechnology and plant breeding innovations like gene editing, American Soybean Association (ASA) president and Illinois farmer Ron Moore issued the following statement:

"USDA's withdrawal of the proposed rule is both a positive and a negative for soybean farmers. On the plus side, there were a considerable number of aspects about the rule that would have stifled innovation and created additional regulatory uncertainty and ambiguity. So we're happy that USDA recognized the flaws in portions of the proposed rule and has taken it back to square one so that those may be remedied.

"We appreciate that the proposed rule addressed gene editing techniques and we hope that, however USDA opts to move forward with rulemaking, they will maintain a positive focus on these new technologies. Specifically, we hope that USDA will continue to recognize that new plant breeding innovations are distinct from and do not fall under the same USDA regulatory review process as transgenic biotechnology.

"More generally, there is a benefit to creating smarter and more practical regulatory frameworks with all stakeholders at the table. It is important to foster trust in agricultural technologies on the part of customers abroad and consumers at home. In this regard, we do not want the withdrawal of the rule to lengthen the existing lag between efforts to craft smarter regulations for new technologies and the need to convince consumers of their

SATURDAY, DECEMBER 9, 2017 2475 Rd N. — EMPORIA, KANSAS Located from the north side of Emporia, at intersection of KS-99 Merchant St. & I 35 go north & east on KS-99 for 8 miles to Rd N. turn north onto Rd N & continue for .7 mile to auction site **PROPERTY of DONALD & SUE BOYCE and the ESTATE OF MIKE BOYCE** • Tractors • Vehicles & Trailers (sell at noon) Farm and Ranch Equipment • Tools & Farm Supplies • Antiques and Collectibles • Household items See full listing at: www.griffinrealestateauction.com **RICK GRIFFIN** CHUCK MAGGARD Griffin & Auction Broker/Auction Real Estate® Service LC Cell: 620-343-0473 Cell: 620-794-8824 305 Broadway, Cottonwood Falls, KS 66845 620-273-6421 • Fax: 620-273-6425 • Toll Free: 1-866-273-6421 Office: Nancy Griffin, Heidi Maggard Email: griffin123r@gmail.com • www.GriffinRealEstateAuction.com



benefits, both at home and abroad.

"We hope that USDA will move forward to work with stakeholders to develop new science-based regulations that promote agricultural innovation and to foster confidence in new agricultural technologies on the part of all concerned.'



AUCTION REAL ESTATE & BUSINESS MERCHANDISE

THURSDAY, DECEMBER 14 - 10:00 AM

125 E. 10th Avenue - SOUTH HUTCHINSON, KS

TRACT 1 Commercial Building, 24,934 total sq. ft. including office and warehouse space, 2 bathrooms, 2 loading docks, zoned commercial. Building was used as a wool warehouse and supply department. Building sits on 1.41± acres. Building to be sold with commercial wool baler.

TRACT 2 Undeveloped lot, 1.35± acre, zoned commercial.

Auctioneer's Note: Here is a Rare Opportunity to own a commercial building that has been operating since 1974! LOTS OF EQUIPMENT & SUPPLIES

TERMS: Closing to occur on or before Jan. 15, 2018. 10% down of purchase price day of sale, non refundable Earnest deposit to be held in Escrow. Title company fees to be split 50/50 between buyer and seller. 2017 taxes to be paid by seller. Announcements made day of sale take precedence over previous printed materials. Ruckert Realty and Auction are representing the Sellers

BUSINESS PROPERTY: Scales, sheep panels, fiberglass sheep feeders, stir fans, metal wheel flatbed rail carts, wool carts, wool cards, ram marking harnesses, wooden conference table, wooden desks, office equipment, spinning wheels, display cases sharpening wheel, shearing equipment parts, battery charger, grinding wheel, shelving, cash register, mineral feeder, Hyster propane fork lift, feed scoops, sheep shears, buckets, pallet racking, sheep trimming stand, sheep halters. Lots of Gallager fencing supplies including chargers, all new. Large inventory of new show, sheep and goat supplies. **MUCH MUCH MORE!**

PERSONAL PROPERTY Terms: Cash or good check. All items need to be settled for day of sale. Sells "as is where is."

SELLERS: MID-STATES WOOL GROWERS



Jeff Ruckert, Broker/Auctioneer Manhattan, KS 66502 785-565-8293 jctt.97@gmail.com

www.RuckertAuctions.com & Check us out on Facebook

1st Rd and turn west. Go 4 miles to Indian Rd. and turn south. Follow for 3/4 mile to auction site.

AUCTIONEER'S NOTE: We will be offering a nice collection of farm and ranch equipment as well as a large amount of other quality mer-chandise. This is an absolute auction with no reserves. This is only a partial list of merchandise and condensed descriptions as we're still processing the contents. Keep checking back on the website or give us a call fo further details.

'94 Merritt 42' grain trailer

double hopper, good condition • '93 Titan stock trailer, 24'x6'6",

needs jack crank and hitch

Hillsboro stock trailer, 20'x7' • '96 Ford F250 pickup, ext.

'99 Chevy Suburban, 4WD,

Peterbilt 377 fiberglass truck

LIVESTOCK RELATED

• C and S hydraulic squeeze

· Blattner stationary corral sys-

tem w/headgate, good cond.

· Guardrail, large amount and

(4) Cobett automatic waterers

• (3) large bulk feed/grain bins

w/ one being overhead. nice!

MISCELLANEOUS: Miller Di-

alArc 250 AC/DC welder; Gen-

erac PTO 30KW alternator; sin-

gle axle utility trailer for welder/ generator; Puma portable air

• Watering tanks, multiple

assorted lengths, get those

Loading chute, portable

2WD, 7.5L V8, gas,

V8, leather interior

slide-plate

107.244 miles

187.012 miles

hood, new

pens built!

some new!

cab,

5.7L

chute

FARM FOUIPMENT '99 John Deere 7810 tractor, mechanical front, JD 740 self leveling loader, 8' bucket, PowrQuad trans., joystick con-trols, 3 remotes, 8,586 hours, nice tractor and ready to work!

- '94 Merritt 42' grain trailer, double hopper, good condition Roto-Mix Forage Express
- 414-14B feed wagon, scale included!
- Rhino 1500 HD 10' hydraulic blade, 3 pt., good condition King Kutter 7' box blade, 3
- pt., excellent condition
- JD 925 header, flex head, poly snouts
- JD 920 flex head, rough
- Crustbuster 3400 DD grain drill, shedded, good condition
- JD 960 28' cultivator
- JD 920 MoCo 10' disc mower
- Krause 952A 24' disc
- New Holland 260 hay rake, wheels
- IH 1050 grinder/mixer
- Haybuster Big Bite tub grinder
- Hay trailer 8 round bale, single axle, ball hitch, solid
- JD front-end bale spear
- Harvest Hand 3 pt. bale carrier
- (3) large bulk feed/grain bins one being overhead, nice!
- DP Mfg. metal forming machine for guardrail. Make your own guardrail for your cattle
- pens! Wisconsin V-4 engine Stainless Sprayer tank, 440gal TRUCKS, TRAILERS

& VEHICLES

- '88 Peterbilt 377 semi tractor, 350 Cummins, 9 speed, air cab, 60" sleeper
- '95 Fruehauf flat trailer, 48' w/ 6' extension, 96"W, deep tread on all tires!
- '98 Neville drop-deck trailer, 48' w/5' beavertail, 20" drop,
- 102"W, spring ride, needs floor

Ferms & Conditions: Cash or good check from a Kansas bank. All out of state checks must be approved before sale day. All items sell as is, where is without warranty or guarantee, expressed or implied. The seller, auction company and owner of the real estate the auction is being held on are not responsible for accidents, lost or stolen merchandise. Announcements on sale day take precedence over prior advertising.

SELLER: FARMERS STATE BANK OF ALICEVILLE

VAUGHN-ROTH AUCTIONS

Cameron Roth, Auctioneer • Bob Ecton, Auctioneer VaughnRothAuctions.com • (620) 888-3040

hrs, guidance system, Michelin tires, warranty thru 12-25-18, absolutely like new! 2014 John absolutely like new: 201+ 30... Deere 6150R, 150HP, 4WD, 553 hours, IVT trans., guid-ance system, like new! 2013 John Deere 6140M, JD H360 loader w/96" bucket, 140HP 4WD, 660 hrs, PowrQuad extremely nice tractrans., tor! 2002 John Deere 6420, 110HP, 4WD, only 1,530 hrs, Quad-Range trans., cab and air, nice! **2015 Bobcat S750** skid loader, 85HP, 110 hrs, fully loaded, high flow, backup

camera, like new HAY EQUIPMENT: 2016 New Holland Speedrower 160 swather, 55 hrs, 16' header, radio, AC, 2 warranties remain ing, like new! 2006 New Holland BW38 bale wagon, 160 bale capacity, 13,685 miles, 1,102 hrs, cab, air, all bells and whistles, backup camera excellent! New Holland BC 5070 square baler, approx 80K bales thru it, nice! JD 568 round baler. MegaWide Plus. 6' bales, 4,426 bales on meter, excellent! 1975 New Holland Super 1049 StackCruiser bale wagon, hours unknown, runs good! Hoelscher 18 bale hay grapple; Vermeer R-23 Twinrake: Kuhn 3pt. tedder rake; JD 640 hay rake. TRUCKS

TRAILERS: & 1990 Kenworth T800 grain truck, 350 Cummins, 20' box, roll tarp, airbag suspension, 9 new tires, miles unknown, clean and good running truck! **1977 Chevy C65** grain truck, 427 engine, 24' box, roll tarp, tag axle, air brakes, miles unknown, 10 new tires! 2000 Chevy 1500 LS PU, flatbed, 4WD, 5.3L Vortec, auto trans, 185,736 miles, good running truck; 2007 Pro Track GN flatbed trailer, Dexter 10K dual

TILLAGE & GRAIN HAN-DLING: 2015 Great Plains 8332 field cultivator, 32', like new; Kinze 3600 no-till planter, 15" and 30" rows, monitor included, very nice; Krause 4960 disc, 30' new tires, nice; JD 610 chisel plow, 30'; JD 455 drill, 30', Yetter markers, 7.5" spacing; JD 1760 Conservation vacuum planter, MaxEmerge Plus, 1.5 bushel boxes, 30" rows, monitor included; JD 845 cultivator, 30" 12 row: JD 653A row header 6 row; Bush Hog 7 shank sub-soil plow; **Parker 2600** seed cart, 260 bushel, roll tarp, heavy running gear, remote control cupped auger; Anhydrous applicator; Hutchinson 30'x6" auger; Mayrath 60'x12" auger; Handlair 550 grain vac; new 6" auger for grain cart; header trailer; 16' grain bed sides w/roll top

CATTLE EQUIPMENT: 2011 Travalong aluminum stock trailer, 6'8" x 24', 14 ply tires, super nice! Wilson Wheel corral w/headgate, good condition; Stroberg loading chute/panel wagon w/28 12' panels; **Filson** crowding tub w/alley and stop; numerous round bale feeders, concrete and steel feed bunks, steel panels; .22 cal. dart gun, digital thermometer and misc.

veterinary supplies. OTHER FARM-RELATED & MISC.: 12' Speedmover; FMC Bean sprayer; torch set and tanks; Ford skid loader, older model, open cab, sells with tree shearer and bucket; Goodyear 24.5-32 combine tires, good cond.; 18.4x38 tractor tires: numerous semi and truck tires; mist sprayer for parts; lots of miscellaneous hand, electric and pneumatic tools

Order of Sale: The sale will start at 10 AM. We will sell good tools and shop equipment until Noon. At Noon, we will sell the four tractors followed by the balance of the farming, hay and cattle equipment. Terms & Conditions: Cash or good check from a Kansas bank. All out of state checks must be approved before sale day. All items sell as is, where is without warranty or guarantee, expressed or implied. The seller, auction company and owner of the real estate the auction is being held on are not responsible for accidents, lost or stolen merchandise Announcements on sale day take precedence over prior advertising

SELLER: LARRY & SANDRA PAXSON

VAUGHN-ROTH AUCTIONS Cameron Roth, Auctioneer • Bob Ecton, Auctioneer VaughnRothAuctions.com • (620) 888-3040

compressor, Honda 8hp motor, 8 gal, excellent; 1000 gal. die-sel tank w/ electric pump; (2) 24" heavy wall pipe in 30' and 35' lengths; (2) 300 gal. fuel tanks on stands; Multiple rolls of 67"X7000' net wrap; Stihl MS 291 chainsaw, nice; Stihl FS 85 weedeater; mult. fence chargers; mult. gas cans; grease guns; ratchet straps; tank de-3 ton floor jack; metal icers;

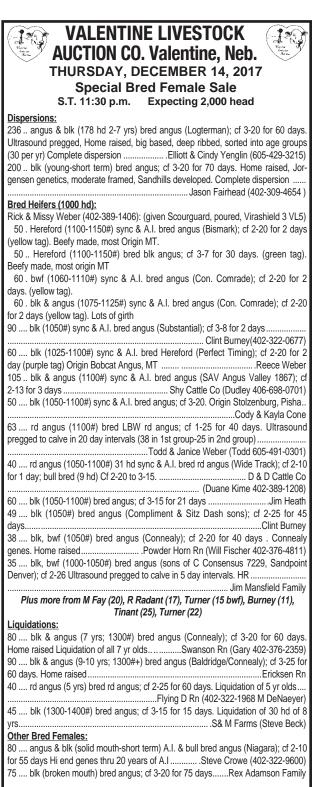
shelving; hand tools; chain hoists: trouble lights: semi truck tool boxes; large assortment of semi tires; lots of misc. truck and farm equipment parts.

an animal science degree

and riding for the Certi-

Dykstra gives presentation on first class feeder cattle marketing

By Steve Suther Growing up on a Colorado cattle ranch, earning fied Angus Beef® (CAB®)



View our special sales online @ cattleusa.com Office: 1-800-682-4874 or 402-376-3611 Greg Arendt, Mgr., C: 402-376-4701 Greg Nielsen, Fieldman, C: 402-389-0833 For complete listing visit our website: www.valentinelivestock.net brand for nearly 16 years, Paul Dykstra has learned a thing or two about "First class feeder cattle marketing."

The beef cattle specialist presented on that concept and its evolution at Angus University during the Angus Convention, Nov. 4-6 in Fort Worth, Texas.

Before the information age, buyers usually didn't know more than weight, sex, condition and breed type.

"That pales in comparison to all we have today,"

Half Circles

Winse.

Glen Elder, KS 67446-9717

Call for your nearest dealer

785.545.3606 • 800.466.3606 • www.winkelmfg.com

with Double

Gate Sweep.

Dykstra said, noting satellite and internet sales with buyers sitting at home. "But it brings up some interesting challenges. We don't have to pay as much attention to relationships-marketing is less personal today than it ever has been."

Whether online or waiting in line to drop some cattle off at the local auction, producers don't have to really know anybody, just record where to send

the check. "An average job of feeder cattle marketing is Right at Home on the Range

Holds different

Portable Corrals

Turn any remote area

into easy working

conditions

size panels.

Universal Panel Carriers

easily achieved," Dykstra said. The first-class kind takes attention to detail and relationships, but not necessarily a big dollar investment "to market what is essentially your genetic product in those feeder cattle."

He noted some seedstock producers do have effective customer service programs that buy or link buyer to seller and all agree it helps their bull sale average.

"But you may overestimate the time and money others spend on commercial marketing," Dykstra said. "There is much opportunity and it doesn't have to be complicated."

CattleFax data says half of all feeders sell at sale barns, the rest through direct trade, forward contract via satellite or held through retained ownership. More important than the method, however, is the commandment to "Know thy customer," he said.

Dvkstra, who has a ranching interest in western Nebraska, asked, "How many cattle feeders do vou know, and how many know your name? There are so many names out there—it can pay to have, say, five that you know and trust, that know something about your genetics."

He addressed those who stress maternal genetics to differentiate those from "terminal" carcass cattle.

"I've seen the carcass data on the maternal cattle and it's also excellent," he said. "We have the diversity within the Angus breed to do both at the same time."

Knowing the feedyard customer means understanding the need for uniformity, sorting off the tailenders or discussing them in advance. It means knowing the weaned advantage takes 45 days or more-

better to ship directly off the cow than to cut days off that time. It means knowing the performance measures, gain and grade, and listing where sires rank by percentile for the related expected progenv differences (EPDs), Dykstra said.

"Make no assumptions of your customers' knowledge about your cattle," he said. "Your reputation matters, but it's affected by those parameters in the feedlot as well as the packer reports on quality grade, yield grade, dressing percent, specialty programs and outs. If those are above average, it's your job to tell the feedyards.'

Any genetic advantage must be communicated at sale time if it is to affect price, he noted.

It's not so easy to obtain performance and carcass data on your cattle, typically requiring some cooperation from the feedyard, which Dykstra pointed to as a basis for building relationships.

"You may not want to walk away from that by using information they shared against them in the market." he said.

To build relationships, ask yourself why you wouldn't feed any set of cattle yourself, Dykstra suggested: "That's what vour customers need to know, and the answers show the path forward."

Seedstock producers can play a role in coordinating a health program and pooling calves from customers who have too few to make a load.

At every step in the beef supply chain, keeping one question in mind will build your reputation. he said.

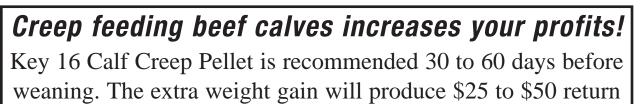
"What does your brand stand for? You've got to have standards and you've got to stand by them.'

Red Angus breed experiences growth

The Red Angus breed - often heralded by commercial producers as a consistent provider of fertility, longevity and overall herd profitability - is increasing its market share across the U.S. beef industry and has experienced two consecutive years of rapid growth.

Bob Morton, president of the Red Angus Association of America, says, "Demand for Red Angus cattle is at an all-time high. We are gratified to see this growth because it's driven by increased industry acceptance. Demand for Red Angus females is especially strong, as seen this year on both video and live sales. Our breeders have worked for decades to offer genetics that benefit all segments of the beef supply chain from cow to consumer and producers are recognizing that commitment."

RAAA reports that registrations have increased 66 ercent during the past two fiscal years, reaching record



per calf over creep feed costs. Delivery in bulk or bags is available. Contact your local Key Feeds representative.



CALL KEY FEEDS TODAY Fourth & Pomeroy

Page 22



JUNCTION CITY, KANSAS • Barn Phone 785-238-1471 Seth Lauer 785-949-2285, Abilene Tom Koch, 785-243-5124

& We ues. a . 8:00 am

KARL LANGVARDT Cell: 785-499-2945

MITCH LANGVARDT Cell: 785-761-5814

LYNN LANGVARDT KCLY-Fm 100.9

Cell: 785-761-5813

Clay Center, Ks • Barn Phone 785-632-5566

Clav Center Field Representatives:

Lance Lagasse, 785-262-1185

SALE EVERY WEDNESDAY IN EMPORIA, KANSAS AT 11:00 AM

DUE TO THANKSGIVING!

THANK YOU FOR ALL OF YOUR CONTINUED SUPPORT! YOUR BUSINESS ALWAYS APPRECIATED! For Cattle Appraisals Call:

BRODY PEAK, 620-343-5107 GLENN UNRUH, 620-341-0607 LYLE WILLIAMS, Field Representative, 785-229-5457 WIBW 580 - 6:45 A.M. Thurs; KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri. emporialivestock.com

Kansas State University is offering a new tool to help farmers assess when temperature inversions occur in their region. The information can be useful in assessing the risk for herbicide drift when applying products such as dicamba, an herbicide used to kill weeds in genetically modified soybean and cotton crops. Accidental drift of Dicamba into neighboring fields damaged millions of acres of crops this year.

According to a Nov. 1, 2017, Environmental Protection Agency report, more than 3.6 million acres of soybeans, including 100,000 acres in Kansas, were damaged by dicamba this year. Other crops including tomatoes, watermelon, cantaloupe, vegetables, plus trees and shrubs were also adverselv affected. The EPA listed temperature inversion as a factor that contributes to the unintentional spread of dicamba into areas that weren't targeted.

Temperature inversion is a weather phenomenon in which the air at the earth's surface is cooler than the air above it - a situation different than the norm, said Christopher "Chip" Redmond, manager of Kansas Mesonet. During times of temperature inversion, which usually happen at night or on cloudy days, the risk that dicamba can drift onto nearby fields and damage other crops is heightened.

The new information is available on the Kansas Mesonet website. Kansas Mesonet is a network of 58 weather stations situated around the state, which measure such weather parameters as temperature, wind speed, precipitation and humidity. The data is recorded at the Kansas Weather Data Library, based at K-State.

"That (temperature inversion) typically develops due to the lack of soil radiation. As soon as you lose

that sunshine in the afternoon or if it gets cloudy, the surface starts to cool off," Redmond said.

In response to the dicamba problem, Redmond and K-State agronomy professors Dallas Peterson and Curtis Thompson developed the tool, which Redmond said should be used to determine trends in particular areas rather than as a decision-making tool regarding exactly when or when not to spray.

Application of the new dicamba products approved for use on Xtend soybeans and cotton is prohibited during temperature inversions, Peterson said.

"Unfortunately, many folks aren't that familiar with temperature inversions and intuitively think that when the wind dies down in the evening or early morning, that is the best time to spray," Redmond said. "However, if they spray during a temperature inversion, there actually may be much greater risk of off-target herbicide injury than when there is a three to ten mile-per-hour wind blowing away from the direction of susceptible crops and species. It's (inversion data) not something to look at and say 'There's an inversion in place so I shouldn't spray right now or that there's not an inversion in place so I can spray." Inversions can form very rapidly. You could look at it and it will change five minutes later. It's the weather in Kansas, it's always changing."

The weather stations measure the temperature at six feet and 30 feet from the ground, which helps develop a vertical view of the lower atmosphere, where these surface inversions occur. The Mesonet aims to also develop a climatology of frequency, depth, occurrence and what kind of weather scenarios come together to

develop inversions.

"What we're finding is that temperature inversions often develop one to two hours before sunset. They are often strongest just after sunset, persisting throughout the night varying in strength. Typically, surface inversions disperse an hour or two after sunrise, when the sun begins to warm the surface," Redmond added.

He encourages producers to start monitoring inversions in their area to obtain a feel for dominant wind directions under inversions. If the air were completely still, there wouldn't be a problem, but

winds average two to four miles per hour in an inversion - those winds can transport the herbicide spray molecules a fairly long distance.

Page 23

"This tool can help with determining dominant wind flows in your area under an inversion, which may provide some indication where drifting could occur," Redmond said.

To listen to an Agriculture Today radio interview of Chip Redmond on this topic visit www.ksre.k-state.edu/ news/radio-network/agtoday-mp3/111017-redmond. MP3



Kansas State University research drives wheat straw forward as ethanol fuel source

Wheat grown from the heartland may soon fill gas tanks.

Thanks to an international and interdisciplinary collaboration, faculty at Kansas State University's Institute of Computational and Comparative Medicine and bioenergy researchers at Yangzhou University in China have marked a significant milestone for the production of ethanol fuel from wheat.

Their study, "Predictive temperature modeling and experimental investigation of ultrasonic vibration-assisted pelleting of wheat straw," was recently published in Applied Energy, a top-tier journal in the field of energy.

"To the best of our knowledge, previous studies haven't systematically investigated the underlying mechanisms for continuous temperature rise during pellet production, which can hinder effective production of biomass pellets and directly reduce the final ethanol production," said Majid Jaberi-Douraki, an assistant professor of mathematics at the Institute of Computational and Comparative Medicine.

"In this case, risk factors

author of the study and a postdoctoral fellow at the Institute of Computational and Comparative Medicine, worked with Jaberi-Douraki, a corresponding author, and Qi Zhang, a Kansas State University alumnus and current associate professor of mechanical engineering at Yangzhou University in China. Their work examined factors that affect production of large-scale biomass during ultrasonic vibration-assisted pellet-

The research team developed a computational and mathematical model to determine factors that impact temperature rise during a pelleting process of biomass. The condensed biomass, or pellets, can be easily handled and transported to make ethanol. Ethanol extracted from pellets can substitute for fossil fuels and mitigate accumulation of greenhouse gases.

By studying the entire pelleting process of biomass, the proposed mathematical model determines the key factors and delivers a new guideline for pellet production by avoiding unnecessary experiments.

"The model was built

mental studies. By applying the model recommendation to experiments, we found out the percentage of burned-out pellets was reduced, while the pellet density, pellet durability and sugar yield from pellets were significantly improved."

"Mathematical modeling is a powerful tool because it can save both the time and resources required for experimental studies," Shi said. "By exploring unknown factors during the manufacturing process, this type of work can be further applied to other similar processes with the purpose of predicting biomass production, testing proposed experiments and eventually helping improve decision-making in industry."

The study included support from the Kansas Bioscience Authority. Other collaborative researchers on the publication included Pengfei Zhang with Jiangsu Muyang Holding Co. Ltd., and Zhichao Li with the industry and system engineering department at North Carolina Agricultural and Technical State University. The experimental work of this study was partially supported by National Science Foundation.

The Institute of Computational Comparative Medicine is an interdisciplinary research-based center established in 2013. Housed in newly built facilities in the College of Veterinary Medicine on Kansas State University's Manhattan campus, it was created to develop novel tools to quantitatively bridge in vitro experiments to in vivo endpoints and develop methods to extrapolate chemical, drug and nanomaterial behavior across multiple animal species and man.

resulting in a significant temperature rise need to be identified for improving the pellet production and energy outputs."

Zhenzhen Shi, first

based on our solid understanding of physical changes of biomass during the pelleting process," Shi said. "We then validated the model using experi-

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 65 Years!

STARTING TIME: 12:00 NOON**

MARKET REPORT FOR TUESDAY, NOVEMBER 21, 2017
RECEIPTS: 1242 CATTLE

STEE	RS				
1 bwf bull	210@230.00	HEIF	ERS		
5 red rwf strs	465@192.50	1 bwf hfr	215@235.00		
5 blk bwf males	462@189.00	2 red hfrs	362@180.00		
6 blk bwf strs	425@185.50	4 red rwf hfrs	423@171.00		
5 blk strs	505@177.00	9 blk hfrs	462@161.50		
9 blk bwf strs	542@173.00	5 blk hfrs	472@157.50		
11 blk bwf males		6 blk bwf hfrs	482@152.50		
12 blk bwf strs	549@170.00	13 blk bwf hfrs	531@150.75		
10 blk strs	563@165.50	22 blk hfrs	586@147.35		
5 red blk strs 4 blk bwf strs	523@162.00 682@160.00	5 red blk hfrs	592@145.25		
38 blk bwf strs	655@158.50	10 blk bwf hfrs	813@142.25		
21 blk strs	650@156.75	65 mix hfrs	873@142.00		
16 blk red strs	595@155.25	11 blk bwf hfrs	632@141.75		
21 blk red strs	685@154.50	11 blk hfrs	697@139.50		
10 blk strs	641@151.00	4 blk hfrs	858@138.75		
18 blk strs	809@150.75	6 red hfrs	656@135.25		
11 blk bwf strs	740@149.50	6 blk red hfrs	673@135.00		
5 rwf strs	842@143.00	5 blk hfrs	1161@120.50		
4 blk bwf strs	1083@134.00	0.011110	1101 0 120.00		

DECEMBER 5--66TH ANNIVERSARY SPECIAL CALF & YEARLING AUCTION--12 NOON -CUSTOMER APPRECIATION MEAL-DECEMBER 12--REGULAR WEEKLY AUCTION--12 NOON DECEMBER 15--SPECIAL COW AUCTION--6 P.M. DECEMBER 19--REGULAR WEEKLY AUCTION--12 NOON **DECEMBER 26--CLOSED FOR HOLIDAY**

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 "Imaauctions.com

950; 50 blk, 700-800; 43 blk, 600-700; 50 Blk, 600-750; 150 blk red, 450-600, thin; 50 blk, 700-800; 70 strs, 700-800; 18 strs, 800; 17 strs, 500-700; 97 strs, 650-750; 30 blk, 550-700; 80 CharX, 400-600, thin; 85 blk, 500-650; 33 blk, 500-650; 28 blk, 700-850; 17 blk, 550-800; 35 blk, 550-750. PLUS MORE!

Junction Hwys 36 & 81 Belleville, Kansas

ANNIVERSARY CATTLE SALE.

FRIDAY, DEC. 1 · 9:30 AM

FRIDAY, DEC. 8, weighup bred cow, bred heifer sale: Complete Disp. Kevin Wiedel Estate, Hebron, NE: 120 blk Char red cows, bred Char; 20 blk cows, 3 yrs, bred Char April 13; 10 red cows, 3 yrs, bred Char April 13; 25 blkwf cows, 6-7 yrs, bred Char April 13; 30 blk cows, older, bred Char; 8 blk cows w/calves; 18 blk cows, Feb. 15; 20 blk hfrs, big; 20 Red Angus hfrs. big: 30 CharX blk calves. 350-550; 35 blk. 550-650. PLUS MORE BY SALE DAY!

DECEMBER 15 CATTLE SALE **DEC. 29 YEAR END CATTLE SALE ALWAYS A GOOD SALE!**

Auctioneer Ethan Schuette 785-541-1027 • 785-527-2258 For Market Reports, and Early Listings Website: Belleville81.com Barry & Angii Kort, Owners • 785-527-2258 Thanks for your business!

DICRAD LIVESTOCK AUCTION, INC. 316-320-3212 Fax: 316-320-7159

2595 SE Highway 54, P.O. Box 622, El Dorado, KS 67042

Special Stocker & Feeder Sale: December 7 *Stock Cow Sale: December 14*

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

Check our website 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) Larry Womacks, Fieldman (620) 394-3273 (H) (620) 229-0076 (M)

Steven Hamlin (602) 402-6008 (H) (620) 222-1199 (M) Van Schmidt, Fieldman (620) 367-2331 (H) (620) 345-6879 (M)

Cattle Sale Every Thursday 11:00 AM

	U	re	eka L	iv	es	toc	k S	ale	, ,
	Р.	0.	Box 26'	7 E1	urel	ka, K	5 67	045	
	6	20-	583-5008	3 Off	lice	620-5	83-74	75	
-		-		-		11 00			

Sale Every Thursday at 11:30 a.m. Sharp

Like Us On Facebook!

On Thursday, November 16 we had 1,209 head of cattle on an active market.

ST	EERS	10 bkbwf	641@149.50	11 bkChr	592@152.50
1 bwf	315@203.00	26 blk	894@149.25	11 bwfwf	644@152.00
9 bkbwf	382@191.00	8 blk	767@149.00	9 bkbwf	599@151.00
4 blk	413@190.00	20 bkbwf	672@148.75	9 rdAng	747@150.50
17 blk	495@182.00	10 blk	768@147.50	17 bkbwf	627@148.00
9 blk	467@178.00	17 bkbwf	761@147.50	10 blk	564@144.00
6 bkChr	553@174.50	4 bkbwf	935@143.50	21 mix	780@142.75
10 blk	538@171.50	6 rwf	708@137.00	18 blk	720@142.25
10 bkbwf	613@164.25	HE	IFERS	10 blk	566@141.00
20 bkbwf	534@161.00	4 bkbwf	371@182.00	10 mix	909@140.00
17 bkChr	543@160.00	4 bkred	354@180.00	11 wf	689@140.00
31 bkGry	795@157.00	4 bkbwf	413@176.00	5 blk	635@139.00
3 bkred	770@155.50	5 blk	417@168.50	10 wf	564@135.00
10 blk	659@153.00	12 bkbwf	467@162.25	5 limo 1	067@129.00
17 bwfwf	742@152.75	7 blk	500@158.00	2 blk 1	048@127.00
5 bkbwf	673@152.50	38 bkbwf	534@156.75	В	ULLS
9 bkred	712@152.00	13 bkbwf	694@156.00	2 bkred	342@192.50
10 bkred	645@152.00	14 bkbwf	681@155.00	7 blk	484@169.00
7 blk	767@150.50	13 blk	551@154.50	6 bkred	458@167.00
11 bkbwf	725@150.25	5 bkbwf	522@153.25	3 bkred	767@131.50
8 blk	676@150.25	11 blk	528@152.50		

Butcher Cows: \$32-\$67.00, mostly \$48-\$61.00, Very Active. Butcher Bulls: \$66-\$93.00, mostly \$77-\$83.00, Very Active. Young Open Cows 3-5 yrs old: \$70-\$105.

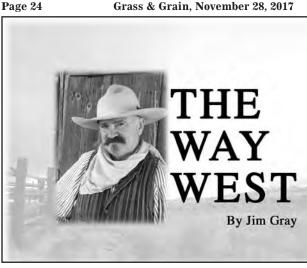
NO SALE NOV. 23 HAPPY THANKSGIVING!

EARLY CONSIGNMENTS FOR NOV. 30 400 mostly blk strs & hfrs, 400-750 lbs, most are weaned/ vac, some vac off the cow 65 mix hfrs, 800-850 lbs, 1 load

20 blk cows 4-10 yrs old, 5 have calves at side, Balance heavy Springers bred to Angus bull

We appreciate your business!

Ron Ervin - Owner-Manager Home Phone - 620-583-5385 Mobile Cell 620-750-0123 Austin Evenson- Fieldman Mobile Cell 620-750-0222 If you have any cattle to be looked at call Ron or Austin



The Rescue of Jacob Branson

The Wakarusa valley offered prime farmland to early pioneers when Kansas Territory was opened for the settlement in 1854. Wakarusa Creek begins about ten miles southwest of Topeka, flowing to the east for approximately eighty miles. It passes just south of Lawrence before emptying into the Kansas River a mile east of the town of Eudora.

In November of 1855 "The Wakarusa" became a flashpoint between pro-slavery supporters and the anti-slavery abolitionists. Charles Dow was killed November 21st, just beyond the valley in an area known as "The Narrows." His killer was a pro-slavery man by the name of Franklin Coleman. The Territorial government reflected the

Grass & Grain Weather Report

pro-slavery stance taken in Washington. D.C. at the time. Territorial Governor Wilson Shannon was described by a contemporary as "an extreme Southern man in politics, of the border ruffian type." Douglas County Sheriff Samuel Jones seemed to relish his position as defender of Missouri men and those who were determined to make Kansas a slave state.

After killing Charles Dow. Franklin Coleman sought refuge with the governor, who was presently residing at Shawnee Mission. Governor Shannon turned Coleman over to Sheriff Jones on November 26, 1855, Jones was charged with taking Coleman to the Territorial Capitol at Lecompton to keep him from being rescued by the abolitionists.

On the way to the Territorial Capital at Lecompton the sheriff and his prisoner were met by sympathetic neighbors, including Harrison Buckley who had been with Coleman the day of the shooting. Buckley told the sheriff that the militia had passed a resolution to bring Coleman to justice and that Charles Dow's friend, Jacob Branson had threatened Coleman's life during the proceedings. Jones changed his destination and turned south toward The Narrows.

Branson was a known leader in the abolitionist movement. He had come to Kansas Territory as soon as it was opened for settlement in 1854. His home was near the Narrows at a place called Hickory Point. Charles Dow was living in Branson's home as he was preparing a home on his new claim; the same claim that had led to Dow's death at the hands of Franklin Coleman. The threat to Coleman's life gave Sheriff Jones cause to seek Branson's arrest.

At Branson's cabin the door suddenly burst open. Before the sleeping man could rise from his bed Sheriff Jones "drew his pistol, cocked it, and presented it to his breast." With that the Sheriff announced, "You are my prisoner, and if you move I will blow you through." Branson was taken from the cabin and forced to

Nov. 28, 2017

mount a mule for the long ride to Lecompton.

The militia was aware of the movement of horsemen through the neighborhood. Concluding that Branson had been taken, they gathered at Abbott's home expecting the posse to pass by on the nearby road. As the posse approached, riding at a canter, the rescuers, on foot, formed a line across the road. Sheriff Jones, at the head of the horsemen, reined up inquiring, "What's up?" From the shadowy line of men came the reply, "That's what we want to know; what's up?" Before the sheriff could answer Branson called out, "They have got me a prisoner.'

A short silence was broken when a voice from the road told Branson to come to them. Branson didn't wait for the sheriff to approve. In fact, Sheriff Jones prudently remained silent as Branson urged the mule forward. Jones then demanded Branson's return to his authority. Both sides threatened to shoot but no one made good on the threat. The mule was returned to the sheriff's men. Not wishing to trigger a potentially bloody confrontation, the sheriff had no choice but to leave Branson in the hands of his friends.

The rescuers rode to Lawrence. Sheriff Jones and his posse rode to the pro-slavery town of Franklin, a few miles southeast

of Lawrence. From there Jones called on Col. Albert Boone, Daniel Boone's grandson, to provide three thousand men from Missouri to quell the "rebellion" in Lawrence. As an afterthought, he also requested Kansas Governor Horse Shannon to raise troops. Meanwhile, the citizens of Lawrence asked the Wakarusa men to leave town. so as not to bring retribution to their homes. Branson "with tears streaming down his weather-beaten cheeks... offered to go home and die there and be buried by his friend." Not wishing to place Branson in such a precarious position, members of the Wakarusa Liberty Guard moved him to a camp on the Wakarusa where he could be protected.

Pro-slavery volunteers were gathering to support Sheriff Jones and his crusade against the abolitionists. Branson had been rescued but the players in this performance were rapidly proceeding toward a finale neither side could fully comprehend. Trying days were still ahead on The Way West.

"The Cowboy," Jim Gray is author of the book Desperate Seed: Ellsworth Kansas on the Violent Frontier. Executive Director of the National Drovers Hall of Fame. Contact Kansas Cowboy, P.O. Box 62, Ellsworth, KS 67439. Phone 785-531-2058 $or \ kans as cowboy @kans.com.$

Peterson awarded American Quarter Foundation **Scholarship** Local American Quar-

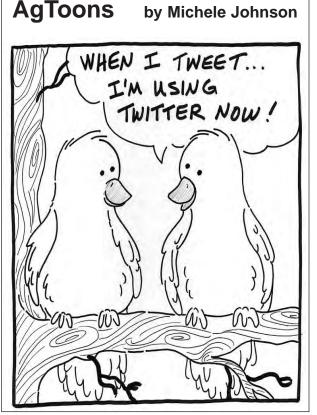
ter Horse enthusiast Rachael Peterson of Leonardville has recently been named as an American Quarter Horse Foundation Scholarship Recipient. The Foundation's Scholarship Program awards outstanding members for their dedication to higher education. Recipients are selected based on academic achievement, financial need, references and participation in equine-related activities.

Peterson is the 19-yearold daughter of Jay and Jean Peterson of Leonardville and is attending Kansas State University majoring in Animal Science and Industry.

As a recipient of the Farm and Ranch Heritage Scholarship, Peterson has been involved in the Leonardville Hustlers 4-H Club and Riley County 4-H Horse Panorama Quiz Bowl and Hippology Teams. She was also a four-year member of the Riley County FFA Chapter. Since 1976, the Foundation has funded over 1,200 students for over \$6.8 million in scholarship funding. For more information on the AOHF Scholarship Program call (806) 378-5029 or visit the Foundation's website at www. aqha.com/foundation.

Visit us

Seven	Day Forecast	In-	1-Depth Local Forecast			Today's Local Outlook					
	TUESDAY of 54", 1 Parily Cloudy to 13 mp High: 54 Low: 32 set in 1			artly cloudy s 42%. Northwe rd high for too ct mostly cl chance of ch	est wind 9 day is 72° ear skies	Washington 61/38		Blue Rapid 52/31		neca 3/30 🌣	
ALL STREET	WEDNESDAY Sunny High: 47 Low: 31	9 mph.		2 ^e , North w		Clay Center					
W.	THURSDAY Mostly Sunny High: 45 Low; 33	Date 11/17 11/18 1)/19 11/20	HI/Lo 76/49 55/33 59/22 63/41	Normals 56/32 55/31 54/31 54/30	Precip 0.00" 0.01" 0.00" 0.00"	-	Ogden 56/34	Mahattan 54/32	W 55	amego /31	
ALL ST	FRIDAY Sunny High: 52 Low: 42	11/21 11/22 11/23	51/22 49/16 72/32	54/30 53/29 52/29	0.00" 0.00" 0.00"	A bilene	● Jui 55/.	action City 32		2005	
*	SATURDAY Mostly Cloudy High: 56 Low; 48	Normal i Departur Average Average	Rainfall 0.01° Normal rainfall 0.30° Departure -0.29° Average temp 45.7° Departure -45.7°			55/31			Council 56/33	Grove	
2AV	SUNDAY			Т	his Week	's Sun & Moo	on Char	't			
44	Mostly Cloudy High: 50 Low: 40	Full 12/3	题	Day Tuesday Wednesday	Sunrise 7:24 a.m. 7:25 a.m.	5:05 p.m.	Moonrise 2:16 p.m. 2:49 p.m.	Moonset 1:27 a.m. 2:31 a.m.	0	New 12/18	
And and	MONDAY Sunny High: 47 Low: 39	Last 12/10		Thursday Friday Saturday Sunday Monday	7:26 a.m. 7:27 a.m. 7:28 a.m. 7:29 a.m. 7:30 a.m.	5:04 p.m. 5:04 p.m. 5:04 p.m.	3:24 p.m. 4:03 p.m. 4:46 p.m. 5:36 p.m. 6:33 p.m.	3:37 a.m. 4:46 a.m. 5:58 a.m. 7:10 a.m. 8:21 a.m.) First 12/26	
L	ocal UV Index	Weather History				Growing Degree Days					
	4 5 7 8 9 10 w, 3-5: Moderate, 6-7: Hig y High, 11+: Extreme Exp	;h,	Southern C	alifornia. Wind several tract	is gusted to 7	ds prevailed across 0 mph at the Rialto ks were overturned	11/17	12	Date E 11/21 11/22 11/23	Degree Days 0 0 2	





Livestock Commission

Company, Inc.

St. Marys, Ks.

0	eu		T			21	•		76	N	11
Sell Or Buy		Cat	tle	By Auctio		STARTING TI 10:30 AM		Tue	sday	S	-
demand for ste steers and hei	er and heifer c	alves at stea	There was good dy prices. Feeder Cows and bulls	COWS & H 2 x-bred hfrts 1 blk hfrt 1 blk hfrt	HEIFERETTES 958 @ 115.00 835 @ 111.00 980 @ 110.00	1 blk cow 1 char cow 1 blk cow 1 bwf cow	1260 @ 53.00 1250 @ 52.50 1155 @ 52.00 1165 @ 51.50	1 brang bull 1 blk bull	1365 @ 78.00 2120 @ 77.50	3 wf bulls 1 blk bull	1733 @ 77.00 1365 @ 75.00
were steady. STEER & BUI 4 blk/bwf bulls 14 blk strs 10 blk strs	209 @ 200.00 456 @ 194.00 504 @ 184.00	12 blk/sim strs 3 blk/bwf strs 5 x-bred strs 3 blk/bwf strs	672 @ 142.50 673 @ 142.50 634 @ 137.00 907 @ 135.50	1 blk hfrt 1 bwf hfrt 2 blk hfrts 1 blk hfrt 1 bwf hfrt	1005 @ 105.00 930 @ 104.00 1105 @ 99.00 1120 @ 96.00 1190 @ 95.00	1 blk cow 1 blk cow 1 blk cow 1 blk cow 1 bwf cow	1355 @ 51.00 1450 @ 50.00 1150 @ 49.50 1220 @ 49.00	• 130 blk str • 53 Angus s	NMENTS F rs & hfrs, 450 steers, 500-70	-600 lbs, vac 0 lbs., weane	cinated ed, vacc.
12 blk/bwf strs 7 blk strs 4 red strs 2 blk/bwf strs 2 blk strs	480 @ 181.00 508 @ 176.00 484 @ 169.00 500 @ 166.00 475 @ 165.00	HEIFE 4 blk hfrs 7 blk hfrs 2 bwf hfrs	ER CALVES	1 blk hfrt 1 blk hfrt 1 bwf hfrt 1 bwf hfrt 1 blk hfrt	1255 @ 94.00 1190 @ 90.00 1060 @ 85.00 1135 @ 84.00 1070 @ 82.00	BRED COWS a 2 blk cows 1 blk cow 2 wf/bwf cows 1 sim cow	& HEIFERS @ 1225.00 @ 1025.00 @ 1000.00 @ 1000.00	• 80 blk strs • 135 Angu vaccinate	d, Mill Brae s	., 75 days we s, 700-850 ired	aned, vacc. lbs., weaned,
4 blk strs 3 blk strs 5 blk/bwf bulls 2 wf bulls 2 bwf bulls	548 @ 161.00 540 @ 160.00 445 @ 160.00 375 @ 157.00 398 @ 156.00	20 blk/bwf hfrs 7 blk/bwf hfrs 9 blk hfrs 8 blk/char hfrs 3 blk hfrs	472 @ 160.00 502 @ 155.00	2 blk hfrts 1 blk cow 1 blk cow 1 blk cow 2 blk cows	845 @ 81.00 965 @ 79.00 1060 @ 73.00 1015 @ 69.00 1180 @ 67.50	2 blk/bwf cows 1 bwf cow 3 blk cows 2 blk/bwf hfrs 1 blk cow	<pre>@ 1000.00 @ 960.00 @ 950.00 @ 950.00 @ 950.00 @ 935.00</pre>	vaccinate • 120 blk re Northern	d ed Angus stee origin	rs, 850-875	
2 blk bulls STOCKER & FEI 12 blk/bwf strs 10 blk/char strs	548 @ 155.00 EDER STEERS 560 @ 173.50 576 @ 167.00	2 blk hfrs 5 blk hfrs 2 blk/sim hfrs 4 wf hfrs 3 red hfrs	413 @ 140.00	1 blk cow 1 blk cow 1 blk cow 1 blk cow 1 blk cow 1 blk cow	1275 @ 65.00 1370 @ 65.00 1075 @ 64.00 1335 @ 63.00 1280 @ 62.00	1 wf cow 1 red cow 1 blk cow 1 bwf cow 2 wf hfrs	@ 900.00 @ 900.00 @ 900.00 @ 885.00 @ 880.00	• 60 black s • 61 black c	crossbred stee steers, 900-92 crossbred, 90 Charolais steer	25 lbs. 0-925 lbs.	
4 blk strs 60 blk/red strs 55 mix strs 5 blk/bwf strs 64 mix strs	569 @ 165.00 846 @ 164.50 855 @ 164.50 556 @ 164.00 821 @ 162.00	4 wf/bwf hfrs STOCKER & 17 blk hfrs	513 @ 135.00 FEEDER HEIFERS 581 @ 153.50	1 blk cow 2 blk cows 2 blk cows 5 blk cows	1785 @ 61.00 1662 @ 60.00 1198 @ 59.50 1426 @ 58.25	2 blk cows COW/CALF 6 bwf cows/cvs	@ 870.00 F PAIRS @ 1700.00		heifers, 800-8 PLUS MORE I		IE!
64 mix strs 80 blk/bwf strs 57 blk/red strs 7 blk strs 25 blk/bwf strs 12 blk strs	720 @ 159.25 594 @ 157.50 603 @ 157.50 600 @ 155.50	37 blk/bwf hfrs 3 blk hfrs 3 blk hfrs 12 blk strs 16 blk/bwf hfrs	588 @ 151.00 580 @ 150.00 601 @ 149.00 660 @ 149.00	4 mix cows 1 red cow 1 blk cow 1 blk cow 2 blk cows	1396 @ 58.00 1390 @ 57.50 1185 @ 57.00 1230 @ 56.50 1385 @ 56.00	6 blk cows/cvs 1 blk cow/cf 3 blk/bwf cows/cvs 1 blk cow/cf 1 blk cow/cf	 @ 1700.00 @ 1650.00 @ 1525.00 @ 1100.00 @ 925.00 	• Herd Disp	STOCK COV OAY, DECEM ersal: 60 Ang & springers, al	BER 14, 20 us cows, 3-8)17 • 1 PM yrs old, some
54 x-bred strs 4 blk strs 15 blk/bwf strs 18 blk/bwf strs	632 @ 155.00 919 @ 153.00 686 @ 152.00 724 @ 151.00 765 @ 150.00	6 blk/bwf hfrs 17 blk/red hfrs 33 blk/char hfr 9 blk/red hfrs 6 blk hfrs	s 809 @ 143.75 731 @ 142.50 706 @ 140.50	1 blk cow 2 blk cows 1 bwf cow 1 blk cow 1 blk cow	1405 @ 55.50 1448 @ 55.00 1435 @ 54.50 1470 @ 54.00 1295 @ 53.50	BULL 1 blk bull 1 wf bull	-S 1405 @ 79.00 1715 @ 78.50	 35 Angus all homera 30 blk red 	Gelv. cows, 3	-6 yrs old w	ith fall calves, fall calves
8 blk strs 6 blk strs 18 blk/sim strs 28 blk/red strs	613 @ 147.50 667 @ 147.50 667 @ 147.00 861 @ 145.25	13 blk/red hfrs 2 wf/char hfrs 6 blk/bwf hfrs				AUCTIONS ctions.com			CONSIGN CO GET THEM	OWS TO TH	IS SALE TO

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: ST. MARYS, 785-437-2785 **REZAC BARN** DENNIS REZAC DENNIS' CELL PHONE 785-456-4187

LELAND BAILEY TOPEKA, 785-286-1107 ST. MARYS, 785-437-6349 LYNN REZAC ST. MARYS, 785-456-4943 REX ARB MELVERN, 785-224-6765 KENNETH REZAC ST. MARYS 785-458-9071

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

Website: www.rezaclivestock.com

AUCTIONEERS: DENNIS REZAC & REX ARB