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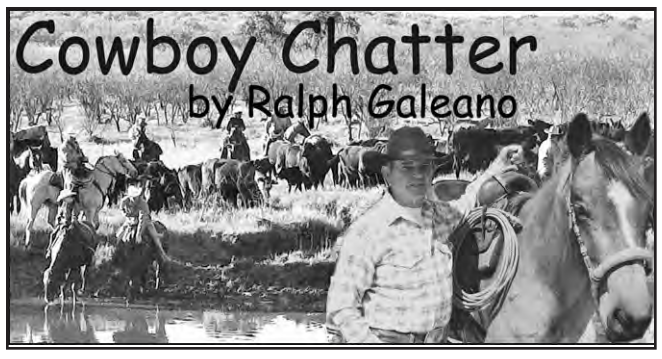

Hackamore Horses

A few years ago, at a branding near Baird, Texas, I arrived in camp the day before things got busy. I sat by the fire and watched Josh King braid a hackamore. I didn't ask any questions until Josh put a length of manila rope around his head, put two fingers on his forehead and held the rope tight at the spot where the rope came together in front of his fingers. I was wondering if he was gonna hang himself but didn't know how.

"Whatcha' doin', Josh?" I asked.

He gave me a look like I was either lost, working at the wrong ranch or just plumb ignorant. I think he figured it was the last choice cause after a brief silence his face softened and he said, "Measurin' the noseband for a new hackamore, mate." I smiled and thought to myself, his head must be two fingers shy of the circumference of a colt's nose. It was a brilliant deduction on my part and I began taking more interest in Josh's work.

The next day gathering cows, I saw Josh and other cowboys from the ranch riding young horses with manila hackamores. The colts were responsive and worked well when asked. When Ken Welch, who ran the ranch for Helen Groves, sent riders to gather different pastures, he divvied up the hackamore youngsters with older reliable horses.

He was certain to make sure any one gather wasn't overloaded with colts.

The colts were worked with soft supple pulls on the inside rein. It was more like coaxing them around with pressure until it became a slight bit uncomfortable and they found out for themselves it was easier to step into the pressure and follow their nose than pull back and fight. Josh trains cutting horses for SILVERBROOK and he and his wife, Amy, are accomplished competitors. Josh's skill was evident when I watched him ride and train young horses in the soft hackamore. I asked enough questions until I wore him out and he finally said, "I'll make you one and you can take it home and try it on your colts." I was wishing for one of those manila hackamore rigs. I didn't know enough about all the different knots to build one for myself, so I was tickled with Josh's offer. It was kind of Josh to build one for me.

Back in Florida, I was fortunate enough to have Tom Ryan from Millsap, Texas, stop by while he was on vacation. Tom's vacation turned into a busman's holiday. I soon convinced him to help me start one of my colts. I had ulterior motives. Tom is one of those gifted horsemen that see and feel so much more than the average horseman when training a horse. He's from the old school but uses methods that nowadays people claim to be the new way to train a horse. I can't figure out the difference between the old way and the new way to train a horse. Hackamore horsemen have been around a long time and the Spanish Vaqueros were doing things the old way 400 years ago. That's a long time and I'd guess it's long enough to be considered the old way.

Tom was one of the riders I worked with on the branding and I intended to take full advantage of his hackamore expertise and pick his brain until I had it clean. We worked one of my coming two-year-olds. Tom rigged up an old rope. He tied a snap on the bitter end and then tied a ring a couple feet back from the snap. He threaded the snap and ring through the nose band of the hackamore. Then he ran the end around the colt's neck and hooked the snap to the ring making a loop around the colt's neck that wouldn't pull tight. The rope turned into a lunge line that ran free through the noseband to the colt's neck.

He trotted the colt in circles until he became comfortable trotting one way. Tugs on the rope pulled the colt's nose into the direction of the turn. Tom stopped the colt, stepped to his opposite side and clucked him into a trot in the opposite direction. The rope slid across the bottom of the noseband and was now in position to control the horse's nose in the opposite direction without having to re-rig the lunge line. By running loose through the noseband, the rope could pull on either side and exert pressure on the same point reins would later be attached to a snaffle bit. It was sure a better method than I had been using by hooking a line on the ring of a halter and pulling from the bottom. Tom stopped the colt again and from his near side ran the rope under his neck to his off side and flipped it over his hip. He pulled the slack out of the rope and applied pressure to the hackamore from the opposite side. The colt turned into the pressure and came around in a pretty circle facing Tom: an easy and gentle transition from the left to the right. Tom repeated the maneuvers for ten more minutes and quit. The colt wasn't even sweating. Picking his brain some more, I asked, "How come you're stopping?"

"No sense wearing him out. He's doing everything I asked him to do and I don't want him to get bored. A little at a time is a lot better than to keep hammering him doing the same thing over and over. Pretty soon it won't be any fun for him."

"Where do you go from here?" I asked.

"Work him a little each session like we did today. When he gets to feeling smooth and easy with the turns and circles, rig up long reins to each side of the hackamore and drive him on the ground from behind. With the hackamore you can teach him to stop and backup before you ever get in the saddle. It makes it easier for that first ride to have him already knowing how to turn, stop and backup."

"I know you're on vacation, but do you have any more time today, Tom?"

"Well, my wife is waiting for me on the beach, so I probably should get back over there. Why are you asking?"

"I've got a few more colts here that could use some work."

He didn't even hesitate or blink an eye. "Bring 'em out. Training horses is a lot more fun than looking at seagulls."

Susie ain't gonna be happy with me, I thought as I headed for the pasture. Now a few years have passed since that branding where I watched Josh building the hackamore. I think maybe Josh used a little horse sense and decided he could rid himself of me and my questions and save himself a lot of time by putting one in my hands. He's wrong, my education had just begun. The more I use it, the more I like the results that soft rig produces on colts. Springtime is just around the corner and It will soon be time to head for the SILVERBROOK branding again. I'll be bugging Josh and Tom for a little more insight on the use of soft rope hackamores. I hope they don't mind.

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

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Due to the heavy rain on Thursday, May 26, we had a weather-shortened run with not enough cattle of any class to fully test the market. Cull cows & bulls were selling at mostly steady prices on the kind offered.

STEER CALVES — 500 LBS.

Centralia	2 blk	500@173.00

FEEDER STEERS— 600-1,025 LBS.

Manhattan	16 blk	603@164.00
Palmer	3 blk	653@159.00
Centralia	5 mix	833@134.25
Clyde	2 blk	1012@123.50
Randolph	2 Hereford	900@82.50

HEIFER CALVES — 475 LBS.

Manhattan	4 blk	472@160.00

FEEDER HEIFERS — 600-850 LBS.

Manhattan	7 blk	606@140.00
Vermillion	8 Hereford	614@138.00
Centralia	2 mix	815@129.50
Vermillion	4 Hereford	831@125.00

COWS & HEIFERETTES — 850-1,400 LBS.

Alma	1 blk	1070@110.00
St. George	1 blk	975@106.00
St. George	1 blk	970@105.00
Randolph	1 blk	1145@103.00
Goff	1 bwf	955@89.00
Clay Center	1 blk	900@85.00
Goff	1 bwf	925@84.00
Olsburg	1 blk	1785@80.50
Frankfort	1 blk	1110@80.00
Belvue	1 blk	1300@79.50
Topeka	1 Hereford	985@79.50
Wamego	1 bwf	1185@78.50
Alma	1 bwf	1220@78.50
Frankfort	1 bwf	1565@77.00
Topeka	1 bwf	1600@76.50
Delia	1 xbred	865@76.00
Goff	1 blk	1175@75.00
Frankfort	1 blk	1270@75.00
Manhattan	1 blk	1295@74.50
Alma	1 blk	995@74.00
Goff	1 blk	1365@73.00
Wamego	1 blk	1195@72.50
Alma	1 bwf	1110@71.50
Goff	1 blk	1140@71.00
Wamego	1 xbred	1395@70.50
Randolph	1 blk	1135@69.50
Alma	1 blk	1145@69.00
Alma	1 blk	1035@67.00
Westmoreland	1 blk	1330@66.00
Wamego	1 xbred	1075@65.00

BRED HEIFERS & COWS

		AGE	MO	
Centralia	1 blk	3yr	8mo	1490@1450.00
Centralia	1 blk	BM	8mo	1485@1175.00
Centralia	1 blk	2yr	2mo	1035@1150.00

BULLS — 1,075-1,925 LBS.

Manhattan	1 blk	1215@115.00
Alma	1 Herf	1075@115.00
Manhattan	1 blk	1275@113.00
Manhattan	1 blk	1330@109.00
Enterprise	1 blk	1275@107.00
Clyde	1 blk	1130@106.00
Tonganoxie	1 char	1835@97.00
Valley Falls	1 Herf	1445@96.50
Gypsum	1 Herf	1785@95.00
Tonganoxie	1 blk	1910@92.50
Tonganoxie	1 blk	1625@83.00

NO SALE:
JUNE 17th or JULY 1st!

CONSIGNMENTS FOR JUNE 3:

20 choice Red Angus OCV 1st calf hfrs w/Feb-March Red Angus sired calves by side, all worked
12 choice Red Angus OCV 2nd calf hfrs w/Feb-March blk Angus sired calves by side
(5) 3-year-old & 4, 6-year-old blk cows w/10-day to 60-day old calves by side
18 Angus strs & hfrs, 2 rds shots, weaned 30 days, 400-450 lbs.
14 blk steers & heifers, 500-600 lbs.
6 blk & blk brockle strs & hfrs, wormed, 2 rds shots & weaned 60 days, 350-400 lbs.
2 Balancer 15 mo old bulls, 76 & 78 lb. birthweights
(1) 15 mo. old 72-lb. birthweight Red Angus bull sired by HXC Conquest

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Kansas Hay Market Report

Hay trade activity slow. Demand moderate for grinding alfalfa, light for alfalfa pellets, dairy alfalfa and grass hay. Prices steady. Although sunshine and lower humidity is needed for the hay crop, scattered rain showers and storms took place over most of the state. The good news is that for the first time since 2010 the Kansas drought map is completely clear of any drought or abnormally dry conditions. The NASS Kansas Crop Progress and Condition report for the week ending May 22, 2016 stated that pasture and range conditions rated 0 percent very poor, 2 percent poor, 26 percent fair, 61 percent good, and 11 percent excellent and that alfalfa hay, first cutting, was 31 percent complete.

If you have hay for sale, pasture to rent or need hay and/or grazing, use the services of the Hay and Pasture Exchange: www.kfb.org/ commodities/haypasture/index.html

Southwest Kansas

Dairy alfalfa down slightly, grinding alfalfa, alfalfa ground and delivered steady. Movement slow for dairy alfalfa, moderate for grinding alfalfa and alfalfa ground and delivered. Alfalfa: Horse, small squares 220.00-250.00. Dairy, .75-.85/point RFV, Supreme 130.00-160.00, Premium 120.00-155.00, Good 105.00-145.00. Stock or Dry Cow alfalfa, old crop 80.00-100.00. Fair/Good grinding alfalfa, old crop, 70.00-80.00, 95.00-102.00 delivered locally. Ground and delivered locally to feedlots and dairies, old crop, 95.00-120.00, mostly 107.00-115.00. An instance of new crop at 100.00. The week of 5/15-5/21, 10,797T of grinding alfalfa and 806T of dairy alfalfa were delivered. Straw, good, small squares 5.00/bale. Corn stalks, ground and delivered 80.00-85.00.

South Central Kansas

Dairy alfalfa and alfalfa pellets steady. Grinding alfalfa, alfalfa ground and delivered down slightly, movement slow. Alfalfa: Dairy, .80-.95/point RFV, Supreme 150.00-175.00, Premium 135.00-170.00, Good 120.00-160.00. Stock cow alfalfa, 120.00-140.00. Fair/Good grinding alfalfa 60.00-75.00, 80.00-95.00 delivered locally, new crop grinding alfalfa 70.00-80.00, 50.00-70.00 edge of the field. Ground and delivered locally to feedlots 100.00-115.00. The week of 5/15-5/21, 5,818T of grinding alfalfa and 875T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 145.00-155.00, 17 pct protein 155.00-165.00, Dehydrated 17 pct 230.00-240.00. Grass hay: bluestem, mid squares none reported, large rounds 60.00-70.00. Corn stalks, ground and delivered 55.00-65.00. Rye grass, large rounds 60.00-65.00.

Southeast Kansas

Alfalfa, brome, prairie hay steady, movement slow. Alfalfa: Horse or Goat, mid squares 250.00-265.00, small squares 265.00. An instance of new crop 210.00 out of field. Dairy and Stock Cow .80 to 1.00/point RFV. Good grinding alfalfa 80.00-85.00. Grass hay: bluestem, small squares 100.00-135.00. Good, mid squares 75.00-90.00, large squares 70.00-80.00, large rounds 50.00-75.00. Brome: small squares 130.00-135.00. Good, mid and large squares 80.00-95.00, large rounds none reported. Straw, mid squares 60.00-70.00. Grass Mulch, large rounds 40.00-50.00.

Northwest Kansas

Dairy alfalfa, grinding alfalfa steady, movement slow. Alfalfa: Horse/Goat, small squares 225.00-275.00 delivered locally. Dairy, Premium/Supreme .90-1.00/point RFV. Stock cow, fair/good 100.00-120.00. Good, large rounds 80.00-90.00. Fair, grinding alfalfa 65.00-85.00. Ground and delivered locally to feedlots and dairies 100.00-120.00.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, prairie hay and brome steady, movement slow. Alfalfa: Dairy .80-1.00/point RFV, Supreme 175.00-210.00, an instance of new crop 210.00. Premium 160.00-180.00, Good 140.00-150.00, small squares 200.00-210.00. Stock Cow, good 100.00-140.00. Fair/Good, grinding alfalfa 70.00-80.00, utility/ fair, large rounds 55.00-60.00. Ground and delivered 100.00-120.00. Grass hay: bluestem, small squares 6.00/bale delivered locally, large squares 70.00-85.00. Brome: Good, small squares 7.00/bale, 120.00-145.00/T, mid squares 100.00-120.00, large squares 110.00-120.00, good large rounds 25.00-50.00/bale, 60.00-75.00/T, fair 50.00-60.00. Straw, good, small squares 4.00/bale or 5.00/bale delivered, large square bales 60.00-80.00/T, and large rounds 70.00-85.00. CWF grass mulch 65.00 per large round bale.

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

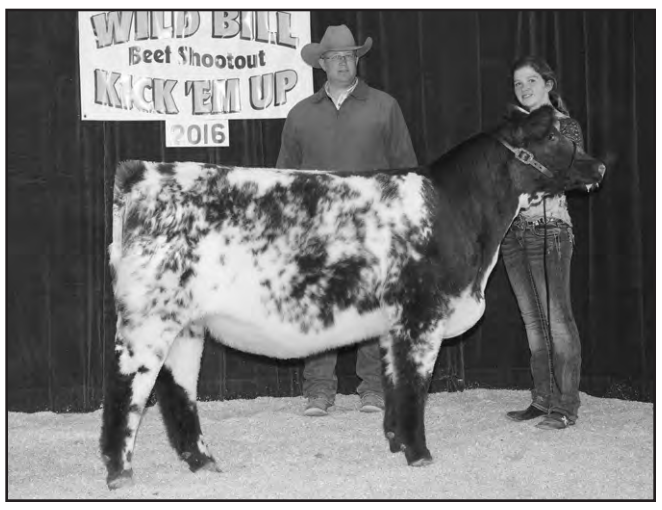
**CWF Certified Weed Free*

**RFV calculated using the Wis/Minn formula.*

***TDN calculated using the Western formula. Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter (TDN showing both 100% & 90%).*

Guidelines are to be used with visual appearance and intent of sale (usage).

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



Macy Elliott was the senior champion showman for Dickinson County at the Wild Bill Kick 'Em Up Shootout in Abilene.

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ROBERT FOSTER
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USDA resumes incentives to grow and harvest biomass for energy and biobased products

U.S. Department of Agriculture (USDA) Farm Service Agency (FSA) Administrator Val Dolcini has announced that incentives resume this month for farmers and foresters who grow and harvest biomass for renewable energy and biobased products. The funds come through the Biomass Crop Assistance Program (BCAP), which was reauthorized by the 2014 Farm Bill. "This program expands the types of feedstock that can be used to make renewable fuels and biobased products, laying the foundation for growing more products made in rural America," said Dolcini. "The Biomass Crop Assistance Program currently supports more than 890 growers and landowners farming nearly 49,000 acres to establish and produce dedicated, nonfood energy crops for delivery to energy conversion facilities, and it is a key piece of USDA's strategy to grow the rural economy and create new markets for our farmers and ranchers."

Facilities seeking to be qualified by USDA to accept biomass can begin enrollment between today, May 23, and June 6, 2016. BCAP provides financial assistance to farmers and ranchers who establish and maintain new crops of energy biomass, or who harvest and deliver forest or agricultural residues to a USDA-approved facility that creates energy or biobased products.

In fiscal year 2016, there is $3 million available for BCAP. A portion of the funds will be provided to two existing BCAP projects in New York and Ohio/Pennsylvania to expand acres planted to shrub willow and giant miscanthus. Farmers and forest landowners may enroll for biomass establishment and maintenance payments for these two projects between June 15 and Sept. 13, 2016.

Also, between June 15 to Aug. 4, 2016, USDA will accept applications from foresters and farmers seeking incentives to remove biomass residues from fields or national forests for delivery to energy generation facilities. The retrieval payments are provided at match of $1 for $1, up to $20 per dry ton. Eligible crops include corn residue, diseased or insect-infested wood materials, or orchard waste.

To learn more about BCAP or to enroll in updates, visit www.fsa.usda.gov/bcap or contact your local FSA county office. To find your local county office, visit http://offices.usda.gov.

Expert offers tips on improving visibility in ponds and lakes

As temperatures warm up, many people make plans to go fishing or swimming in Kansas' farm ponds. Ponds can serve practical and recreational purposes, but they aren't as useful or as aesthetic when they are cloudy or muddy.

Turbid or murky waters can be caused by chemical or environmental issues. They not only are eyesores, but may also be dangerous to swimmers due to unknown debris hidden under the water. Turbid waters also alter the environment for fish and other aquatic animals, said Charlie Lee, K-State Research and Extension wildlife management expert, who has some helpful tips for improving water visibility.

The most common cause of a turbid pond, Lee said, is suspended particulates in the water; the most common particulate found in ponds is clay. Many factors determine if the particulates in a pond will settle on their own over time, including variables such as water temperature, water chemistry, water movement and wind.

According to Lee, there is an easy test to determine what causes a turbid pond. Simply dip a gallon-sized glass jar into the water, and then let the jar sit on a shelf for 24 hours. If the particulates settle at the bottom of the jar, the problem is not due to a chemical imbalance. There is something else causing the particulates to be suspended in the pond.

"Sometimes there is a problem with unwanted fish such as carp, goldfish or bullheads in the pond," Lee said. "They are bottom feeders and often keep disturbing the bottom of the pond, which keeps the clay in suspension and causes the turbid water."

Long-exposed clean pond banks also increase the impact of wind erosion and turbidity, he said. The type and quality of the vegetation in the watershed immediately upstream from the pond should be evaluated. If cropland is near the watershed, heavy rains could wash soil particulates into the pond. Planting a riparian buffer of vegetation around the pond could solve the problem.

Other times, the cause of turbid waters is chemical in nature, Lee said. The chemical imbalance is often caused by repeated runoff into the pond from unprotected areas in the watershed. As a result, the interaction between soil type and water chemistry does not allow the clay particulates to settle to the pond bottom.

Lee noted that the two main treatments for a chemical problem, gypsum and alum, have been used many times with success. Gypsum is a neutral salt and does not alter the pH of the pond, while alum can alter the pH but is more effective in settling clay particulates.

"We like to begin with gypsum at 500 pounds per acre-foot," he said. "If that doesn't clean the pond, reapply a month later at a rate of 125 pounds per acre-foot. If the reapplication is not successful, the pond will likely remain turbid."

Lee said that the old-fashioned home remedy of putting hay into the pond usually does not work. In fact, putting more organic matter in the pond often leads to more problems. Once the hay begins to decompose, it lowers the pond's oxygen levels, which can create fish kills.

"If the problem is erosion from pond banks and dams caused by cattle grazing, you should fence the pond or restrict access to a small area for livestock watering," he said. "If the problem is the sediment is continually being disturbed by unwanted fish, you may need to drain the pond or use a fish toxicant to remove the unwanted fish from the pond and restock with a balanced fish population."

The best form of prevention is placing the pond in the proper spot. Lee recommends those thinking of building a pond to position it in a way to help with its ecology. Placing the pond in a watershed in a rangeland or woodland situation is better than one in cropland. If placing the pond in a cropland situation is unavoidable, a riparian or grass buffer should be planted around the pond.

For more information, visit any local Extension office in Kansas.

KDA seeks participants for beef genetics trade missions

The Kansas Department of Agriculture is seeking individuals to participate on agricultural trade missions to Argentina and Uruguay. Tentatively, the Argentina mission will take place July 25-31, 2016, and the Uruguay mission Sept.12-18, 2016. The goal of these missions is to provide an opportunity for Kansas purebred beef cattle producers and allied industry to continue developing relationships with livestock producers in Argentina and Uruguay in an effort to increase market opportunities for U.S. and Kansas beef genetics.

The primary activity during each mission will be to interact with breeders and promote the use of U.S. beef genetics while attending major livestock shows including the Expocisión Rural (Palermo) in Argentina or ExpoPrado in Uruguay. Kansas ranchers and related agribusinesses specializing in export of Angus and Hereford genetics are invited to participate.

This trade mission is funded in part by the United States Livestock Genetic Export, Inc. Selected participants will be eligible for travel stipends for airfare depending upon number of applicants and fund availability. Participants will be responsible for the cost of hotels, meals and other incidental expenses.

KDA strives to encourage and enhance economic growth of the agriculture industry and the Kansas economy by exploring and expanding both domestic and international marketing opportunities.

Those individuals interested in participating in the trade mission should complete the application forms available online on the KDA website. The deadline for submitting applications for consideration is Wednesday, June 15.

For more information on the trade missions, please contact Billy Brown, KDA agribusiness development coordinator, at billy.brown@kda.ks.gov or 785-431-5049.

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ABSOLUTE REAL ESTATE AUCTION
TUESDAY, JUNE 21, 2016 — 7:00 PM
322 Main Street — PAXICO, KANSAS

Description: Commercial property built in 1999 with 1,360 square feet. Store front with living quarters and a shop. All public utilities and paved road access.

Legal: NUTTMANNS, LTS 25,26,27,28,29 MAIN ST SECTION 26 TOWNSHIP 11 RANGE 11E

TERMS: Property sells AS IS, WHERE IS. 15% non-refundable down payment is required day of sale by check. Buyers must be able to close within 30 days. Buyer needs bank letter of loan approval or funds verification. Cost of Title Insurance and Closing Costs to be split equally between Buyer and Seller. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the Seller.

OWNER: BABE TRUST

TWO LOCATIONS: *7840 E US Hwy 24, Manhattan 785-539-2732 • 1003 Lincoln, Wamego 785-456-6777*

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**** AUCTIONS REMINDER! ****
THURSDAY EVENING, JUNE 2 — 5:00 PM
17678 S. Wanamaker Rd., SCRANTON, KANSAS
(2 1/2 m. South & West on Hwy. 56, 1/2 m. South on Wanamaker)
Guns, Knives, Fishing Items, Glassware, Furniture & More!
CRAIG & BELINDA ROSINE, SELLERS

SATURDAY, JUNE 4 — 9:30 AM
6522 BURLINGAME RD, TOPEKA, KS. *(From HWY 75 & SW 77th exit, 1 1/2 miles west on 77th, then 1 1/2 miles north on Burlingame Rd.)*
WRECKER, PICKUPS, TOOLS, TOOL BOXES, Robinair Refrigerant Recovery & Recycling System; filling station price & gas signs; early Ford eng. parts 1930s & up inc.: 54 Ford frt & bk seat springs, 55 Fairlane rt. frt. fender, 65/66 Mustang rt. frt fender; 1967 Mustang shell. **HOUSEHOLD & COLLECTIBLES inc.:** Stover horse drawn buggy wheels, axle, tongue, springs, No Box.
LARRY & VELDA CROCKER, SELLERS

WISCHROPP AUCTIONS
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See last week's Grass & Grain for listings or
www.wischroppauctions.com

REAL ESTATE AUCTION
SATURDAY, JUNE 18, 2016 • 9:00 AM
302 Summit — MANHATTAN, KANSAS 66502

Legal Description: WESTWOOD ADDITION, Lot 58, SECTION 13 TOWNSHIP 10 RANGE 07E

Plat Book/Page B /49 Lot Width: 080.0
Lot Depth: 135.0 Deed Book/Page 0330/0493
4 Bedrooms, 2 Bathrooms, Full Finished Basement with its own Kitchen and Separate Access
- ★ **New Hardboard Siding in 2016.**
- ★ **Roof and Gutters replaced in 2014.**
- ★ **Furnace replaced in 2013. ★ 2 Fireplaces ★ 1 car garage**
- ★ **New Cabinets & Kitchen Counters in 2013**
- ★ **Hardwood floors refinished in 2013**

TERMS: Property sells AS IS, WHERE IS. 10% non-refundable down payment is required day of sale by check. Buyers must be able to close on or before July 18, 2016. Buyer needs bank letter of loan approval or funds verification. Cost of Title Insurance and Closing Costs to be split equally between Buyer and Seller. Seller reserves the right not to accept high bid. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the Seller.

TWO LOCATIONS: *7840 E US Hwy 24, Manhattan 785-539-2732 • 1003 Lincoln, Wamego 785-456-6777*

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2-DAY AUCTION
SATURDAY, JUNE 4 — 10:00 AM
SUNDAY, JUNE 5 — 12:00 NOON
CITIZEN POTTAWATOMI COMMUNITY BUILDING, 806 NISHNABE TRAIL, — ROSSVILLE, KANSAS
HUMMELS, NATIVITY SETS, TOYS, FURNITURE, ANTIQUES & MUCH MORE!
See last week's Grass & Grain for listings
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AUCTION
SATURDAY, JUNE 4 — 9:00 AM
Offering for sale at Public Auction, located at 3128 N. Hillside Rd., Newton, KS, from the intersection of U.S. Hwy. 50 & N. Hillside Rd., 1/2 mile N.

MACHINERY, SHOP & WOODWORKING EQUIP.
Bush Hog Squealer 5' rotary mower; Centaur Int'l LTD 250 3 pt. spreader; Schaben pull behind sprayer; 3 pt. blade; Bush Hog 720 3 pt. finish mower; 3 pt. bale carrier; 10' tandem wheel disc; drag harrow; 2 - 4 wheel running gears; yard trailer; yard gate; T-posts; lumber; metal shelving; E-Z-Go gas powered golf cart, 529 hrs.; MW snow blower; Lincoln 225 welder; torch & gauges; yard packer; carts; shop vac; DeWalt 18 v sawzall; B & D work table; ShopSmith; Delta 6" jointer; Craftsman drill press; pedestal grinders; Grizzly 3 wheel 12" band saw, new; Jet JWL-1236 lathe; Porter Cable 5" saw; Delta 10" unisaw; Porter Cable dovetail mach.; Porter Cable router & shaping table; Jet belt & disc sander/grinder; ShopSmith dust collector; Delta belt/drum sander; Craftsman wood vises; B & D hole saws; bar clamps; Makita miter saw; Delta hollow chisel mortiser; Milwaukee side grinder; planes; roller stands; air tools; welding clamps & rod; pipe wrenches; jacks; air bubble; hand tools; drills; hardware; tap & die sets; pipe vise; old wrenches; paint shaker; paint supplies; Craftsman toolbox; sockets; saw blades; C-clamps; oil heater; levels; ladder; log chains; filler cans; live trap; hay hooks; bolt bins; measuring wheel; scrap iron; fert. spreader; gas can; greenhouse window; pet carrier; garden supplies; automotive; metal cabinets; fishing supplies; lanterns; bow & arrow; shovels; forks; rakes; battery charger; pressure washer; air compressor; lawn equipment; lawn mower; old sled; milk bottles; wash buckets; gas grill; golf clubs;

FURNITURE & HOUSEHOLD ITEMS
4 pc. bedroom set; chest-of-drawers; corner china cabinet; swivel rockers; sofa; elec. organ; hide-a-bed; stereos; Singer sewing machine; kitchen table; old recording studio equipment & items; reel to reels; hall tree; CD's; tapes; True treadmill; many boxes sewing supplies & yarn; desk; quilts; Eden Pure heater; paper cutter; office supplies; TV; Canon copy machine; office chair; binoculars; train sets; Tonka fire truck; Lincoln Logs; Sentry safe; stair lift; bird collection; 75+ Precious Moment collection; Thomas Kinkade house collection; Bose stereo; VCR; Oak cabinet; wooden shelving; lamps; games & toys; stemware; linens; china; sweepers; baking dishes; coffee maker; pots & pans; food processor; chairs; new jars; file cabinet; cookbooks; ex. equipment; Magic mill; Christmas items; telescope; utensils; canners; cookie jars; Brinkman smoker; croquet set; luggage; bedding; books; **& more**

GENE & FRANCES PRICE, SELLERS
TERMS: Cash day of sale. Statements made day of sale take precedence over advertised statements.

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Judges, contestants set for the Kansas Cowboy Poetry Contest

Cowboy poets from three states will compete in the 2016 Kansas Cowboy Poetry Contest finals, to be judged by a celebrity panel of Kansas leaders and communicators. The contest will be held at 7 p.m. on June 10 at the Flint Hills Discovery Center, 315 S. Third Street, Manhattan. There is no admission charge and the public is invited to attend.

Celebrity judges for 2016 include: Chief Justice Lawton Nuss of the Kansas Supreme Court; Representative Sydney Carlin; Representative Tom Phillips; Donna Sullivan, editor of *Grass & Grain;* and Marie Martin from the Flint Hills Discovery Center Foundation.

"We are honored that our judges will include the state's leading jurist, an agricultural editor, two politicians and the FHDC Foundation's development officer," said Ron Wilson, chair of the poetry contest. "This is a great group to serve as our judges for this event."

The field of qualifying contestants is set as follows: Marci Broyhill, Dakota City, Nebraska; Dwight Burgess, Wamego; Betty Burlingham, rural Manhattan; John Cannon, Fredonia; C.W. Harris, Hepler; Jerry Jones, Salina; Robert Lakey, Wichita; Danny McCurry, Springfield, Missouri; Dana Moodie, Neodesha; Carl Stueve, Olpe; and Don Welborn, Meriden.

The Flint Hills Discovery Center Foundation is the lead sponsor for the 2016 contest.

"We appreciate the support of the Flint Hills Discovery Center Foundation, which also honors our rich cowboy heritage in the Flint Hills and beyond," Wilson said.

Only those poets who finished in the top three at one of the state's regional qualifying contests are eligible to compete at the state contest on June 10. Qualifying events have been held in Ellsworth on April 29, Prairie Rose Chuckwagon Supper near Benton on May 7 and Fredonia on May 20.

At the state contest, there are two divisions: serious and humorous poetry. First place winners in each division will receive the Saddlejack Bradrick award, the coveted Governor's Buckle, gift certificates and discounts to leading western stores, two tickets to the Symphony in the Flint Hills, the opportunity to present the winning poem in the Story Circle after the Symphony and entry fees paid to the National Cowboy Poetry Rodeo. The Symphony in the Flint Hills will be held Saturday, June 11 in Chase County.

For more information, please visit www.cowboypoetrycontest.com.

USDA offers targeted farm loan funding for underserved groups and beginning farmers

USDA Kansas Farm Service Agency (FSA) executive director, Adrian J. Polansky, reminds producers that FSA offers targeted farm ownership and farm operating loans to assist underserved applicants as well as beginning farmers and ranchers.

"Each year, a portion of FSA's loan funds are set aside to lend to targeted underserved and beginning farmers and ranchers," said SED Polansky. "Farming and livestock production are capital intensive business ventures and FSA is committed to helping producers start, expand and maintain their agricultural operations."

USDA defines underserved applicants as a group whose members have been subjected to racial, ethnic, or gender prejudice because of their identity as members of the group without regard to their individual qualities. For farm loan program purposes, targeted underserved groups are women, African Americans, American Indians and Alaskan Natives, Hispanics and Asians and Pacific Islanders.

Underserved or beginning farmers and ranchers who cannot obtain commercial credit from a bank can apply for either FSA direct loans or guaranteed loans. Direct loans are made to applicants by FSA. Guaranteed loans are made by lending institutions who arrange for FSA to guarantee the loan. FSA can guarantee up to 95 percent of the loss of principal and interest on a loan. The FSA guarantee allows lenders to make agricultural credit available to producers who do not meet the lender's normal underwriting criteria.

"During fiscal year 2015, Kansas FSA obligated $91 million in loans to assist 883 targeted underserved and beginning producers," said SED Polansky.

The direct and guaranteed loan program provides for two types of loans: farm ownership loans and farm operating loans.

Farm ownership loan funds may be used to purchase or enlarge a farm or ranch, purchase easements or rights of way needed in the farm's operation, build or improve buildings such as a dwelling or barn, promote soil and water conservation and development and pay closing costs.

Farm operating loan funds may be used to purchase livestock, poultry, farm equipment, fertilizer, and other materials necessary to operate a successful farm. Operating loan funds can also be used for family living expenses, refinancing debts under certain conditions, paying salaries for hired farm laborers, installing or improving water systems for home, livestock, or irrigation use and other similar improvements. In addition to customary farm operating and ownership loans, FSA now offers Microloans through the direct loan program. The focus of Microloans is on the financing needs of small, beginning farmer, niche and nontraditional farm operations, such as truck farms, farms participating in direct marketing and sales such as farmers' markets, CSA's (Community Supported Agriculture), or those using hydroponic, aquaponic, organic and vertical growing methods. Microloans are available for both ownership and operating finance needs. To learn more about microloans, visit www.fsa.usda.gov/microloans.

Repayment terms for direct operating loans depend on the collateral securing the loan and usually run from one to seven years. Financing for direct farm ownership loans cannot exceed 40 years. Interest rates for direct loans are set periodically according to the Government's cost of borrowing. Guaranteed loan terms and interest rates are set by the lender.

To qualify as a beginning producer, the individual or entity must meet the eligibility requirements outlined for direct or guaranteed loans. Additionally, individuals and all entity members must have operated a farm for less than ten years. Applicants must materially or substantially participate in the operation.

For farm ownership purposes, the applicant must not own a farm greater than 30 percent of the average size farm in the county at the time of application. All direct farm ownership applicants must have participated in the business operations of a farm for at least three years out of the last ten years prior to the date the application is submitted. If the applicant is an entity, all members must be related by blood or marriage and all entity members must be eligible beginning farmers.

For more information on FSA's farm loan programs and targeted underserved and beginning farmer guidelines, visit www.fsa.usda.gov/farmloans or contact your local FSA office. To find your local FSA office, visit http://offices.usda.gov.

Kyle Hummel was tapped as Dickinson County's reserve champion senior showman at the Wild Bill Kick 'Em Up Shootout in Abilene.

AUCTION

SATURDAY, JUNE 11 — 9:00 AM

5781 Eureka Drive (NEAR AIRPORT)

MANHATTAN, KANSAS

2006 Isuzu 4-door pickup, 1-370, leather seats, clean, only 29,232 original miles; 1999 Ford Windstar SEL mini-van leather seats, 78,441 original miles; 1994 Ford 250 XLT pickup, 60,419 original miles, cloth seats, 5th wheel hook-up; Jazee SR360 52" zero turn mower, SN 659CP17, like new.

John Deere L100 5spd riding lawn mower/tractor, used very little; TSC 8'X16' 2-wheel utility trailer with fold down ramps; Coachmen Catalina 28' 5th wheel camper with slide out, new refrigerator, has had damage and has leaked, great project; utility shed to be moved; Box wagon with wooden wheels; 500 gallon fuel tank with electric pump; 4-wheel hay trailer; Onan Pro 5000E portable generator; Delta floor model drill press; Craftsman 10" radial arm saw; Generac G1000 M Mitsubishi generator; Delta 10" table saw; Ariens 5HP roto-tiller; 4" jointer; B&D

7 ½ band saw; 2 Craftsman chest-on-chest toolboxes; Stihl MM55C small roto-tiller; Toro S-120 electric tiller; Stihl & Homelite chain saws; aluminum extension ladder; wood lathe; 8 tier rotating bolt bin; bench grinder; air compressor; riding mower jack; wheelbarrow; sanders; handyman jack; roll around cart; floor jack; circular saw; jumper cables; chain hoist; axes; picks; bar clamps; saws; C-clamps; toolboxes; aluminum scoops; rechargeable drill; screwdrivers; large vise; drill bits; hammers; battery charger; Workmate bench; post driver; pipe wrenches; shop vac; pliers; sockets; crescent, box-end, open-end wrenches; slate/chalkboard from local school; gas cans; garden tools; 7'X16' tarp; lumber; organizers; grates; windows; doors; metal lockers; weedeaters; step ladder; wheelbarrow; garden cart.

2 sets of heavy cast patio sets (table, 4 chairs, umbrella & stand; loveseat & heavy patio table; park bench; 2 bird baths; concrete horse head; lawn windmill; 5 old stone posts; cast iron top fence; 6 well & pitcher pumps; cut-out Western horse lawn figurines; Weber gas grill-like new; garden hose; 4 bikes; gas grill; steel posts; tomato cages; garden gate; flower pots; 2 lawn carts; garden cultivator; walking plow; 16 iron implement wheels; dog house; windows & doors; iron baby bed trellis; egg baskets; old pony saddle; Hawthorne vintage ladies bike; new Craftsman & Master Mechanic tool sets; 2 cast iron implement seats; bridles; halters; 2 Hereford stock saddles; iron horse hitching post; cross-cut saws; ½ round singletree; ice saw; horse foot scraper; Coleman cooler; weedeater; live trap; iron pulleys; Oak curved glass secretary bookcase; Walnut Duncan Phyfe table, leaves & 6 chairs; antique Walnut 4-drawer dresser with pedestal mirror & gloveboxes; tea cart; Maple dropfront desk with top bookshelf; Walnut poster bed; lift chair; 2 cedar chests; console & portable sewing machines; 6-drawer Maple dresser; jewelry armoire; divan; Oak glider rocker; 4-drawer cabinet; 2 2-door 2-drawer wardrobes; 2 living room chairs; 2 chest deep freezers; Maytag automatic washer & dryer; Kitchen Aid side-by-side refrigerator; Whirlpool 30" electric range; hat/coat rack; humpback trunk; safe; swivel rocker; 5-shelf Walnut what-not shelf; set of 4 chrome craft swivel rolling dining chairs; living room chairs; TV's; chest-of-drawers; bookcase; desk; Oak footstool; 4-drawer stand; end tables; hall table; 4-drawer file cabinet; 10 bentwood chairs; Oak magazine table; 2 2-drawer Oak file cabinets; child's rocker; deacon storage bench; dinette set; card tables & chairs; step stools; metal shelves; Kirby Generation 4 vacuum; wall curio cabinet; Collection of Salesman sample wood cook stoves-Royal, 2 Eagle, 4 Crescent, Eclipse, Boyd's Bear & toy stoves; set of 12 plus Pflatzgraf (madeira pattern); lots of silverplate; dolls; glass baskets; set of 12 Community silverplate & case; Frankoma; pink & clear depression glass; juicers; vases; set of eggshell Natulas china; clear crystal; kerosene lamps; variety of plates; prism lamp; wood butter mold; handpainted, collector & souvenir plates; brass blow torch lamp; Santa's; Sessions mantel clock; large gold framed mirror; Kitchen Aid mixer (white); area rugs; stained glass; Barn canister set; lots baking dishes; utensils; Salad Master pots & pans; cookware 2 gallon Red Wing & 4 gallon Ruckels crocks; many horse, boots, wagons, buggy figurines; mirrors; all types of small kitchen appliances; Corningware; stock pots; roasters; ice cream freezer; decorative cake pans; molds; glassware; brass bell; cast iron horse; Western lamp; boxes of Western décor; iron Western cut-outs; pictures; frames; scales; barn board hat rack; hamper; fireplace tools; Longhorn mirror; rock collection; Collector tractors & older toys; Avon; lamps; sleeping bags; Holiday decorations; picnic basket; globe; small iron wheel box wagon; barn clock & farm scene wall hangings; microwave; rolling pin; harness hames; cap collection; shoe last; stirrups; hanging singletree light; Western purses; horse & Western storage boxes; Southwest pictures & décor; 3 machete's; vacuum; pillows; bedding; Western boots & hats; feather boas; handkerchiefs; sewing basket; invalid bed lift poles; wicker storage boxes; Crossman pellet gun; wheelchair; 2 walkers; Royal typewriter; heater; luggage; lawn chairs; file boxes; & lots more. **Large clean Auction!**

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AUCTION

SATURDAY, JUNE 11 — 9:30 AM

Auction will be held at 1116 E. 7th Street in CONCORDIA, KANSAS

REAL ESTATE SELLS AT 12:00 NOON

Legal Description: Foster's Addition, S34, T05, R03, Block E, Lot 1-3

Metal & concrete building w/concrete floor, drive down partial basement & 2 storage units: 6 unit storage building: 2 double wide mobile homes, 3 single mobile homes, all homes have washer, dryer, stove & refrigerators, central heat. The seller will do no inspections or repairs on the buildings or mobile homes. All inspections must be made by purchaser before June 11, 2016.

TERMS: 10% of sale price as down payment day of auction, balance will be due upon closing on or before July 15, 2016. Possession will be upon closing. Taxes will be pro-rated to closing. Title insurance will be used, the cost will be split 50/50 between seller & purchaser, escrow fees will be split 50/50 between seller & purchaser. All statements made day of auction will take precedence over printed material.

CARS & TRACTOR

1971 Chevrolet Impala convertible, 400 engine, automatic, air, electric windows, antenna, leather interior, 94,866 miles, very good condition, 40 year owner; 1972 Plymouth Duster 2 door w/hard vinal top, auto, slant 6 engine, under dash air, 22,100 actual miles red & black; very good; 1929 Ford model A 2 door sedan restored, trunk, luggage rack, emerald green, good condition; Ford model A pickup to be restored, mostly complete w/bed & 4 cy Ford engine; Model A frame & rear end; Allis C tractor snap coupler 3 pt. runs; 3 pt. 5' blade; 3 pt. mower; road drag.

ANTIQUES & COLLECTIBLES

"Sandy" 1 cent coin operated horse; double 1 cent peanut machine; oak 6' showcase (from Everett Hardware in Concordia); oak drop front desk w/mirror; oak double drawer step back cupboard; oak step back 4 door cabinet; 2 oak 2 door cabinets; 48" round oak table; oak chairs; parlor rocker & chair; oak upholstered rocker; walnut high back bed; oak 3 drawer chest w/marble top; oak parlor table; oak night stand; jadite floor lamp; 20's couch & chair; drop leaf gate leg table; Singer treadle sewing machine; 5 drawer chest; 12 drawer pine cabinet; meat block; oak base cabinet; 1 drawer table; 3 flat top trunks; chifforobe; floor safe; sewing machine base table; ice cream chairs; Bestyet, Goodyear, Bougarts Fine Foods signs; linens; several quilts; 2 gal Red Wing crock; 20 gal crock; 12 gal elephant ear crock cracked; assortment of radio's; Budweiser clock; brass lantern; typewriter; paper roller; assortment of salesman give a ways; 1967-88 Coke Super Bowl pins; Waterford ornaments; assortment of collectable glass; blue butter crock; blue pitcher; 2 Les Kouba pictures (In Shelter & Leavin Shelter); assortment pictures inc.:Easter Morning lady; calendars inc.: (1953 Belleville Police, 1936 Venning Drug, others); Campbells pork & bean thermometer; assortment of advertising posters; pictures; candy scales; Vogue picture record; mantel clocks; carriage clocks; McCormick Deering 1 ½ hp. Hit miss engine; Schwinn Collegiate girls bike; boys bike; GE Turgar 6 volt charger; Packard hub caps; Johnson boat motor; bee smoker; piano rolls; records; Grapette bottles; other pop bottles; dutch oven; buckets; gas & oil cans inc.: Mutual Auto; well pump; pedal grinder; wooden ladders; nail tote; tin seat; cast iron water; muffin pan; Tonka trucks; BB gun; baby buggy; screen doors; coaster wagon; tins; boxes; globe; ice tongs; wash tubs; golf clubs; cherry pitter; brass blade fans; battery jar; Eclipse croquet box; ice cream freezer; cheese boxes; milk bottles; duck decoys; trombone; buggy wrenches; hay hooks; large assortment of other collectables.

MOWERS, GOLF CART, TOOLS & HOUSEHOLD

5' x 10' utility trailer w/ramps; EZ Go golf cart; JD F 525 front deck mower; Ariens front tiller; Snapper push mower; 1971 Suzuki 50 motorcycle; 2 wheel garden trailer; Craftsman 200 amp battery charger; Craftsman wood lathe; portable air compressor; chop saw; work bench; 6" bench vice; combination wrenches; hammers; shop fan; work bench; assortment lumber; Sanyo 42" TV; oak queen bedroom set w/box springs & mattress; 2 hutches; 20's end table; rockers; 3 drawer chest; 3 piece bed room set w/queen box springs & mattress; maple table & chairs; maple hutch; Fisher stereo; assortment of household items; picture framing equipment; Callaway golf clubs; fishing poles; assortment of other items.

Note: This is a large auction, there are many items not listed. For pictures check our web site at www.thummelauction.com.

RON & BLANCHE DEAL ESTATES

Auction Conducted By: **THUMMEL REAL ESTATE & AUCTION LLC**

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Meadowlark District to host wheat plot tour June 7

The annual Meadowlark Extension District Wheat Variety Demonstration Plot Tour will be held on Tuesday, June 7th, starting at 9:00 a.m. at the Doug Edelman farm at 2490 T Rd., Sabetha. From Sabetha, go four miles west on 192nd Rd. and turn south on T Rd. Doug and Leonard Edelman are the plot cooperators.

This year's plot consists of ten entries. Dr. Stu Duncan, K-State Research & Extension, NE Area Crops & Soils Specialist will discuss spring growing conditions, disease pressure, and share information on the plot entries. Attendees will see how stripe rust affected different varieties as well as how much scab pressure we might expect this year. You'll also have the opportunity to sign up for a chance to win a Polaris Ace 570 from the Kansas Wheat Alliance.

The plot is located behind the Edelman farm. Please park in the driveway and walk with the group back to the plots starting at 9:00 a.m. Refreshments are courtesy of the Kansas Wheat Alliance and Meadowlark Extension District.

If you just can't get enough wheat and want to see another local plot, the annual Marshall County Wheat Plot Tour will also be held on Tuesday, June 7th starting at 6:00 p.m. at the plot located two miles north of Centralia, at the NW corner of Hwy 187 and 96th Rd. This plot consists of 12 wheat varieties and blends. Supper will be served following the tour by the Happy Go Lucky 4-H Club and sponsored by Kansas Wheat Alliance.

For additional details, contact the Meadowlark Extension District Office in Seneca at (785) 336-2184 or David Hallauer at dhallaue@ksu.edu.

Preventing hay fires begins at baling

By Brian Pugh, NE Area Agronomy Specialist, Oklahoma Extension Service

Spring and early summer cuttings often present the greatest risks for hay fires because of the difficulties of drying hay before baling. No matter the time of year, if rain is in the forecast, hay producers are often tempted to bale at a little higher moisture content to avoid weather damage. If hay is baled too wet and packed too tightly into storage, severe heating can occur, causing significant dry matter and quality losses or worse – a hay fire.

Heating results from plant respiration and microbial activity. It can occur in baled hay at moisture contents as low as about 13%. Therefore, heating is a natural occurrence with temperatures reaching over 120°F even in hay baled at safe moisture contents. If excess moisture is present, heat re-sistant fungi become active which can drive the temperature to over 150°F. Above about 170°F, the micro-organism's die, but heat-producing chemical reactions continue to drive temperatures up. Between 180° and 212°F, spontaneous combustion can occur if the material is exposed to air.

Hay fires can occur over two weeks after the hay is placed into storage. Generally, temperatures below 140°F indicate no particular heating problem. Check the hay daily to see if temperatures continue to rise. Temperature readings between 140° and 170°F provide no clear indication of pending problems. Check the temperature every few hours to monitor changes. If the temperature is above 180°F, there is increased risk that combustion could occur. Do not move the hay until the fire department is present. When smoldering hay is exposed to air, it can undergo spontaneous combustion.

If it is not possible to measure temperature with an instrument, use a long steel rod as a probe. Drive the rod into the inner stack and leave it for at least 15 minutes. If the rod can only be held for a short time, temperature is around 130°F. If the rod can only be touched briefly, temperature is nearing 140°F and if the rod is too hot to handle, the temperature inside the stack is probably above 150°F and caution is warranted. Never stand on top of a stack you suspect may be heating because smoldering hay can create a cavity or pocket that often cannot be detected from the top of the stack, causing risk of falling into this burning pocket.

Preventing hay fires begins at the time the hay is baled. Optimum moisture content for baling depends on bale size. For small square bales, the moisture content should be no more than about 20% without preservatives. During warm, moist air conditions, reduce the moisture content when baling small squares to 18%. The upper limit for large packages, including round bales, is about 16% to avoid taking special precautions to pre-vent excessive heating. Round bale moisture content can be increased to about 20%, if bales are stored outside and unprotected.

Bale density also affects heating. The denser the package, the greater the resistance for heat to move through the hay. For round bales, consider reducing the bale diameter if baling wet hay. If you have a fixed-chamber baler, consider not wrapping the outer layer as tightly as usual to reduce bale density.

If you bale "wet" hay, it is a good practice to leave round bales outside for at least a week before putting them into barn storage. If you must place bales immediately into the barn, stack bales loosely to allow plenty of air circulation. For large packages, arrange the bales loosely in a single layer for at least two weeks before stacking tightly. Granted, this takes more time and labor, but the risk of a fire is greatly reduced.

Yard & Garden Tips

By Gregg Eyestone

28th Annual Manhattan Garden Tour

Riley County, K-State Research and Extension Master Gardeners have organized the annual Manhattan Area Garden Tour for Sunday, June 5. There are four wonderful private gardens to tour plus the Manhattan Country Club and the Gardens at Kansas State University. You can purchase a ticket at any of the tour sites for $10 with proceeds going towards the University Gardens. The tour is from 1 p.m. to 5 p.m.

Shade in the garden is both challenging and rewarding when done well. The Brosius garden has utilized their site's natural shade from oak trees to create an understory oasis. They have over 110 different Hosta varieties growing under those oak trees. Check them out along with the sunny parts of the garden.

The Letterman garden is made up of 50 roses along with lavender, lilies, iris, peonies, coneflowers and more. Romance is the theme of this garden that will fill your senses of sight, smell, sound and even touch. Sit a spell in the pergola and take in the view like a Monet painting.

Lou Irwin has "dabbled" in her garden for 20 years. You will want to see what has been accomplished over that span of time. The garden has it all. This is one backyard you won't want to miss.

There are over 200 labeled plants representing many uncommon plant cultivars in the Morris garden. This adds up to a variety in color and plant textures for the visitor to enjoy and think about utilizing in their own garden. Discovery is one of the best elements in landscape design and there is much to discover in this garden.

Flowers and other plantings describe the Manhattan Country Club. Celebrate 100 years with them as you take in the 42 flower beds and 30 containers that add an easy peaceful feeling to this busy facility.

A good starting point is the Gardens located at 1500 Denison. Take a stroll through the established and new settings at the Gardens. Your ticket will have a map to all the gardens. I hope you can make it to the tour this year and see as many of these beautiful local spaces.

You can find out more information on gardening by going to Riley County's K-State Research and Extension website at www.riley.ksu.edu/ And you may contact Gregg Eyestone at the Riley County office of K-State Research and Extension by calling 537-6350 or stopping by 110 Courthouse Plaza in Manhattan or e-mail: geyeston@ksu.edu

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219 Vine Street — WAMEGO, KANSAS
REAL ESTATE SELLS AT 10 AM • 219 VINE STREET
Wamego Original, Lot E2-294, section 09 township 10 range 10

- 3 Bedrooms • 1 Full Bath
- 900 sq ft.
- Put All NEW Water Lines in House in 2006
- Several NEW Windows in 2013
- NEW Water Heater in October 2015
- NEW Kitchen Flooring in 2012
- Partial Basement

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AUCTION
SATURDAY, JUNE 4 — 10:00 AM
HWY 58 & SHETLAND RD, LEROY, KS, 66857, 4m N on Shetland, to 8th Rd, 1 1/2m. W. to 1734 8th Rd.
8 TRACTORS, PICKUP, TRAVEL TRAILER & CAMPER: JD, 4010 diesel, # 19133, w/Schwartz loader; Yanmar, 1610, 500 hrs-very good; JD, 620, #6202477, good tires & paint; Oliver, 77 row crop,#338780 new rear tires; JD A, #669912-good cond; JD B, #261558, 12 V; IH H, #343646, 12 V-near new tires; MH 30, 12 V, #39255-good cond. 2002 Ford F250, 30350 actual miles, Triton 5.4L eng, AC, PW, cruise, PW, good tires, w topper. Hi-Lo, 18' pull travel trailer, self contained, sleeps 6-nice; Huntsman 9' overhead PU camper; fiberglass PU topper. **MACHINERY:** Automatic Land Leveler & Hydraulic Scraper #410; JD #307 rotary mower, Serial #1; Yanmar 3 pt, 5' rotor tiller;13' field cult; Case steel wheel side delivery rake. 7.6x15' tandem axle trailer; 7' 3 pt blade; 6' box blade; Case 3-14 pull plow; 6x13' flatbed trailer; 3 pt bale spear; Woods single wing #9309 rotary mower; Terrain King #530 bat wing mower; portable hay elevator. **40+ GUNS: GUNS WILL NOT BE ON SITE UNTIL DAY OF AUCTION. ATF RULES APPLY.** Pistols-Astra & Bursa .380, semi auto; CZ 7.65mm semi auto; Llama 9mm, semi auto; Ruger 9mm, semi auto-new in box; **Revolvers:** Arminius .357 mag; Colt .38 police special; Harrington & Richardson .22 long rifle; **Rifles:** Marlin #38, .22 octagon barrel; Marlin #30AS, 30-30; Marlin #336, .35 Remington; Mauser –Chilino #1895, cal ?; RA w/scope; 2-Remington #24, .22 semi auto; 2- Remington #121, .22 pump; Remington #1903-A3, 30.06; Ruger #10/22 carbine, .22-new in box; Ruger #M77, .22-250 w/scope; Savage #219B & #23-D, ..22 hornet; Sears- Ted Williams 30-30; SKS MA1072 7.62 cal; Western Auto #207, 30-30 Win; Winchester #63, .22 semi auto; 1945 Russian semi auto w/bayonet; Crossman pump master pellet gun; **Shotguns:** SS Kresge #151, 20 ga; Daiwa 12 ga, semi auto; New England 20 ga, 3"; Remington #1100, 12 ga; Remington Sportsman 20ga; Savage 30 Series B, .410, 3"; Stevens 16 ga, dbl barrel; Winchester #370 youth, .410, 3"; **Black powder** Springfield 1873 cal?, Rolling Block 2 bands; Thompson Center Arms & Dixie Gun Work .45; Frontier .50. **GUNS SELL AT 1 PM FOLLOWED BY PICKUP, TRACTORS & MACHINERY. TOOLS:** Grizzley 12 sp drill press; Arco Dip Pac 200 wire welder; 6 Hp air compressor; 30 T press; Troy Bilt 2600 psi power washer; 5250 W generator; Lincoln Ideal Arc 250 welder. **MISCELLANEOUS:** Vintage Bridgestone # 350 motorcycle; Maytag 1 cyl eng; McCormick Deering hit & miss eng; 2-Cushman model C; Ted Williams 5.5 Hp boat motor; eng 4 Hp. **HOUSEHOLD & ANTIQUES: 3 Lone Wolf pic- 2 right- 1 left;** 20+ belt buckles inc German silver; Montana Silver Smith; 1 Hesston Montana Silver Smith & others; **MANY OTHER ITEMS NOT LISTED. Not Responsible For Accidents, Lost Or Stolen Items. Lunch Available. NOTE: Using 2 Rings. Terms:** Cash, Good Check, Credit Card W/Photo Id.
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HERINGTON LIVESTOCK COMMISSION CO.
CATTLE SALE EVERY WEDNESDAY: 11:30 AM
SELL HOGS 1ST & 3RD WEDNESDAY OF EVERY MONTH
5/25/16
Not enough steer & heifer calves to truly test market. Feeder steers & heifers sold $2-5 lower. Cows & slaughter cows & bulls sold steady to $1 higher.

COWS					
Cncl Grve, 1 blk	1205@96.00	Sedgwick, 1 blk	1065@80.50	Marion, 6 mix	548@176.50
Cncl Grve, 1 blk	1205@91.50	Sedgwick, 1 blk	1155@80.50	Marion, 2 blk	490@170.00
Sedgwick, 1 blk	995@85.00	Sedgwick, 1 blk	1405@80.50	Lnclnvlle, 2 blk	543@167.00
Sedgwick, 1 blk	1170@84.00	Gypsum, 1 blk	1010@80.00	Burdick, 60 mix	893@137.75
Sedgwick, 1 char	1145@84.00	Sedgwick, 1 blk	1235@80.00	Gypsum, 64 mix	863@137.00
Cncl Grve, 1 char	1190@83.50	Sedgwick, 1 blk	1365@80.00	Woodbine, 23 mix	833@137.00
Sedgwick, 1 blk	1210@83.00	Gypsum, 1 char	1335@79.00	Lnclnvlle, 55 mix	929@136.50
Sedgwick, 1 char	1230@82.50	Sedgwick, 1 blk	1160@79.00	Lst Sprngs, 2 blk	865@133.50
Sedgwick, 1 blk	1135@82.50	BULLS		Lnclnvlle, 54 blk	949@128.00
Sedgwick, 1 blk	1280@82.50	Marion, 1 blk	415@169.00	Tampa, 50 mix	1014@123.10
Sedgwick, 1 blk	1025@82.50	Herington, 1 blk	545@164.00	Tampa, 50 mix	1029@123.10
Sedgwick, 2 blk	1195@82.00	Cncl Grve, 5 blk	445@149.78	HEIFERS	
Sedgwick, 1 blk	1150@82.00	Cncl Grve, 3 mix	568@147.00	Tampa, 6 mix	333@182.00
Sedgwick, 1 blk	1205@82.00	Tampa, 1 bwf	1840@103.50	Woodbine, 6 blk	691@140.25
Sedgwick, 1 blk	1295@81.50	Tampa, 1 blk	2195@101.00	Marion, 2 blk	463@139.00
Sedgwick, 1 blk	1085@81.50	Tampa, 1 blk	2310@100.50	Cncl Grve, 5 blk	539@137.55
Cncl Grve, 1 blk	1460@81.00	Herington, 1 blk	1505@100.00	Woodbine, 37 mix	792@135.00
Tampa, 1 yellow	1320@81.00	Tampa, 1 bwf	2015@98.00	Woodbine, 41 blk	791@134.25
Sedgwick, 1 blk	1145@81.00	Hope, 1 blk	1950@96.00	Herington, 61 mix	843@130.25
Sedgwick, 1 char	1210@81.00	Marion, 1 blk	2415@95.50	HOGS	
Sedgwick, 1 char	910@81.00	Tampa, 1 blk	1860@95.00	Burdick, 19 fat	291@45.00
Sedgwick, 1 blk	1230@80.50	Steers			
		Lnclnvlle, 3 blk	457@182.00		

EARLY CONSIGNMENTS FOR JUNE 1:
- 12 mix strs & hfrs, 450-600 lbs
- 15 mix strs & hfrs, 500-650 lbs
- 14 rwf bwf hfrs, 650-700 lbs, off brome
- 27 rwf bwf strs, 650-750 lbs, off brome
- 43 mstly blk hfrs, 750-775 lbs, off brome
- 60 mix strs, 850-875 lbs, off brome
- 62 mix strs 875-900 lbs
- 60 mix strs 850-875 lbs
- 58 mix strs 950-1000 lbs

MORE CATTLE BY SALE TIME!

Our Consignments can now be viewed after 12 Noon on Mondays by going to www.grassandgrain.com & logging onto the online Subscription.
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Is your cow a good employee?

By Earl Ward, NE Area Livestock Specialist, Oklahoma Extension Service

We often look at our cows as an investment, but they are actually working as employees for our operations. While working, most of us believe that there are others not pulling as much weight as we do. If you have never felt that way, then you are the one that is making the rest of us feel that way. There are a couple traits that we look for in employees that we also need to look for in our cows.

Productive – Employees must be productive otherwise we don't need them. We hire people to produce a certain number of widgets within a particular amount of time and if they can't produce enough widgets to offset their cost then we need to part ways. No difference with a cow. Her job is to raise a healthy, heavy calf and keep it alive till weaning time. She must also be able to do this job within 365 days. If she cannot complete this task, then she does not fit the goals of the operation and must find another place of employment.

Marketable – I have reviewed a lot of resumes and I can tell you that it does not look favorable to see an employee that jumps from job to job. This tells me that they never had an employer that really wanted to keep them. Are your cows marketable? Are they the kind of employees that people are trying to recruit for their own herd? Do the neighbors look at their productivity and ask how much money it would take to relocate them? If you answered "no" to these questions, perhaps you need to re-evaluate your genetics. Marketable cows raise marketable calves.

Positive Attitude –A positive attitude is contagious in an office, but sadly so is a negative attitude. An employee with positive outlook can make the most horrible job a fun one. Positive people are productive people. Cows have attitudes too. It has been proven through research that calm cows are more productive than cows with bad attitudes. Cows with bad attitudes tend to knock you in the fence and kick you in the back of the leg as they pass by (recent personal experience).

A lot of the times to calm cows down is simply spending the time to acclimate them to you and your operation. Some cows are just crazy and cause drama throughout the entire herd. They spread gossip to the other cows about how lazy the rancher is. It is that kind of negative attitude that an employer cannot stand for. I am sure you are thinking of a certain cow right now with this problem, if so fire her!

Please keep in mind that the cattle business is a business! We build relationships with these cows like they are family members, but in reality they are employees. We certainly would not hire someone without these attributes, so why would we expect less from our cows?

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Selling ~~starts at 10:00 a.m. Consign~~ your cattle as early as possible so we can get them highly advertised.

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RECEIPTS FOR THE WEEK TOTALED 1,895 CATTLE & 104 HOGS.
BUTCHER HOG TOP ON MONDAY WAS $48.00

For a complete list of cattle for all sales check out our website www.fandrlive.com

STEERS

300-400	$203.00-$216.00
400-500	$180.00-$189.00
500-600	$175.00-$190.00
600-700	$153.00-$162.50
700-800	$138.00-$148.00
800-900	$143.00-$153.50
900-1,000	$130.00-$138.50

HEIFERS

300-400	$170.00-$182.00
400-500	$154.00-$168.00
500-600	$150.00-$161.00
600-700	$126.00-$135.00
700-800	$128.00-$137.50
800-900	$120.00-$131.75

STEERS

2 blk	Aurora	310@216.00
19 red	Marion	541@190.00
18 blk	Marion	525@189.50
3 blk	Galva	357@189.00
17 blk	Marion	491@189.00
16 blk	Marion	431@188.00
6 mix	Hoisington	392@185.00
2 blk	Galva	415@184.00
7 blk	Aurora	494@182.50
35 red	Marion	642@162.50
62 blk	Enterprise	845@153.50
13 mix	Marion	707@148.00
57 mix	Abilene	826@145.25
80 blk	Hesston	810@145.00
64 mix	Hope	872@145.00
50 mix	Newton	770@139.75
51 blk	Hesston	912@138.50
83 mix	Bennington	926@138.00
38 mix	Abilene	900@136.25
63 mix	Geneseo	985@131.75

HEIFERS

9 mix	Hoisington	362@182.00
4 mix	Hoisington	309@177.00
14 mix	Hoisington	439@168.00
5 blk	Aurora	461@164.00
2 blk	Salina	473@161.00
9 blk	Ellsworth	500@161.00
1 mix	Marion	492@159.00
6 blk	Oak Hill	787@137.50
13 blk	Oak Hill	680@135.00
6 blk	Wilsey	711@134.00
14 mix	Clay Center	719@133.00
10 blk	Ellsworth	806@131.75
63 blk	Hope	830@131.75
57 mix	Inman	773@131.50
58 blk	Hope	902@130.50

HOGS

4 mix	Solomon	254@48.00
8 mix	Lincolnville	304@46.50

SOWS

1 wht	Abilene	570@47.00
2 wht	Abilene	590@47.00
4 wht	Abilene	536@46.00
2 wht	Abilene	525@45.00
2 wht	Manhattan	503@45.00
1 wht	Abilene	535@44.00

CALVES

5 blk	Salina	256@550.00
6 blk	Salina	250@525.00

1 blk	Bennington	225@485.00
5 blk	Salina	197@485.00
6 blk	Salina	207@485.00
1 blk	Assaria	185@425.00
1 blk	Bennington	195@420.00
1 blk	Hesston	165@400.00
1 blk	Miltonvale	175@375.00
1 blk	Miltonvale	165@360.00
1 rwf	Assaria	155@350.00
1 blk	Miltonvale	75@200.00

COWS

1 blk	Abilene	1200@82.00
1 blk	Barnard	1520@80.00
1 blk	Canton	1345@78.50
1 hol	Whitewater	1600@78.50
1 blk	Barnard	1460@78.50
1 blk	Assaria	1725@77.00
1 blk	Clay Center	1720@77.00
1 blk	Barnard	1470@77.00
1 blk	Barnard	1305@77.00
1 blk	Hope	1520@77.00
1 hol	Longford	1470@77.00
1 blk	Bavaria	1710@76.50
1 blk	Delphos	1430@76.00
1 blk	Tescott	1120@75.00

BULLS

1 blk	Miltonvale	2015@111.00
1 blk	Lincoln	1455@103.50
1 blk	McPherson	2210@103.00
1 rwf	Brookville	2150@103.00
1 blk	Ellsworth	1860@102.50
1 bwf	Lindsborg	2190@102.00
1 blk	Lindsborg	1780@101.00
1 red	Bavaria	1880@101.00
1 wf	Tampa	1650@101.00

IN STOCK TODAY
- **Heavy Duty Round Bale Feeders**
- **6'8" X 24' GOOSENECK STOCK TRAILER METAL TOP**
- **6'8" X 24' GR Stock Trailer Metal Top**
- **6'8" X 24' GR Stock Trailer Metal Top**
- **6'8" X 20' GR Stock Trailer Metal Top, USED**
- **6'8" X 24' Gooseneck Stock Trailer Bar Top-USED**

MARK YOUR CALENDARS FOR A SPECIAL COW SALE: TUESDAY, JUNE 7th!

5 yearling Charolais bulls, LBW, semen checked; 4 yearling registered Red Angus bulls; (1) 2 yr old registered Red Angus bull; (16) 18 mo. old registered blk Angus bulls, 2 Angus bulls good EPDs, 1 Limflex bull 15 mo. old, semen checked; 2 registered Red Angus bulls, 18 mo. old semen checked; 1 registered Red Angus bull 13 mo. old semen checked; 44 blk hfr pairs, OCHV'd Angus calves, worked for grass; 8 blk hfr pairs, bred back; 250 blk/bwf/red cows, 3-5 yrs, fall calvers, bred blk; 5 mixed pairs 8 yrs old; 15 blk pairs, 5-8 yrs calves worked; 50 black fall bred cows, 3-5 yrs; 10 running age bred cows, 6 broken bred to registered Red Angus bulls; 6 older pairs worked for grass; 45 cows 3-5 yrs, half pairs.half fall bred.

PLUS MORE BY SALE TIME!

Lot #	Consignor:	Horse	Breed	$	Notes
17	POWERS, MARTY	LIL TWIST OF PEPTO	AQHA	$17,700.00	2008 sorrel mare by Peptoboonsmal-RHC winner
38	MORRISON, CLIF	CG GUN BAR	AQHA	$16,500.00	2010 gray gelding by grandson of Playgun- Pretty head horse
106	POWERS, MARTY	JD WARLOCK	AQHA	$14,700.00	2009 dun gelding by Gneuine 007- Head horse
15	KOONTZ, ORREN	TK PURE WHISKEY	AQHA	$13,000.00	2009 palomino gelding grandson of Paddys Irish Whiskey- Ranch, team rope horse
73	HEADINGS, CLINT	TOBYS ROCKY OTOE	AQHA	$10,000.00	2008 gray gelding grandson of Otoes Rainbow- team rope
88	DAWSON, TC	SPIFFY CHAMP CHEX	AQHA	$8,500.00	2008 gray gelding by Check Me Out Chex- pretty head horse
63	NICHOLS, MIKE	DAKOTA DANNY	AQHA	$8,000.00	2012 bay roan gelding by grandson of Peptoboonsmal- ranch, rope
58	POWERS, MARTY	CHROMESMAL STAR	AQHA	$8,000.00	2008 blue roan gelding by Zips Dakota Pine- ranch, rope
71	UNGEHEUER, TERRY	MDC SPECIAL TUCKER	AQHA	$7,800.00	1999 brown gelding out of granddaugter of Special Effort- Head horse
85	BRYANT, TY AGT	Sorrel Gelding	GRADE	$7,800.00	2012 grade sorrel gelding- ranch, rope
87	MARVIN, DARREN	LITTLE LENA DANCER	AQHA	$7,750.00	2008 sorrel gelding grandson of Boonlight Dancer- ranch, team rope
22	HOLDEN, SHAWN	GRAYS CLASSY LIGHT	AQHA	$7,500.00	2011 palomino gelding grandson of Grays Starlight- reserve ranch horse champion
156	PHIFER, SHANE	SPECIAL LIL COWBOY	AQHA	$7,500.00	2009 buckskin mare by Mr gGold Bucks- head horse
138	JOHNSON, JEREMY	MR GOLD BUCKS EUREKA	AQHA	$7,500.00	2007 bay roan gelding out of granddaugter of Peppy San Badger- team rope
306	STRICKLER, MATTHEW	KROS PEPPY BAR	AQHA	$7,300.00	2007 blue roan mare by Poco Blue Peppy- head horse
67	HARRIS, CHAD	BOBBY SOX SKYLINE	AQHA	$7,100.00	2009 sorrel gelding by Three Dee Skyline- ranch, team rope
44	HOEPKER, ALEX	MATTS LITTLE SPIRIT	AQHA	$7,000.00	2008 blue roan gelding by a grandson of Snicklefrtiz Chex- ranch
113	GLAZE, LOGAN	SIMBA	GRADE	$7,000.00	2009 grullo gelding by Gold Cat Bueno- heel horse
8	JACOBS, ROB	WHR KING EDDIE	AQHA	$7,000.00	2007 grade buckskin gelding- ranch, team rope
12	MEYERS HORSE CO	SPARKLING DOC MAJOR	AQHA	$6,500.00	2010 sorrel gelding by grandson of The Major Legend- team rope

Top 5 Average $14,380.00 • Top 10 Average $11,200.00 • Top 15 Average $9,970.00 • Top 20 Average $9,207.50

High Seller- 2008 sorrel mare by Peptoboonsmal- was also the ranch horse competition winner.

2nd high seller- 2010 gray gelding by grandson of Playgun- pretty head horse.

For Information or estimates, contact:

Mike Samples, Sale Mgr., Cell Phone 785-826-7884
Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901

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Cattle Sale Broadcast Live on www.cattleusa.com **1150 KSAL, Salina 6:45 AM –MON.FRI ******* 880 KRVN 8:40 AM – WED.-THURS. *******550AM KFRM - 8:00 am, Wed.-Thurs.**

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CLASSIFIEDS

CLASSIFIED AD DEADLINE IS 10:00 A.M. FRIDAY

Although complete name, address and phone number need not appear in your ad, we must have this information for our records.

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LIVESTOCK EQUIPMENT	
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BINS - DRYERS - VACS	
MOBILE HOMES	
SPRAY EQUIPMENT	
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- **Please notify us of any errors at once. We cannot be responsible beyond the first insertion.**
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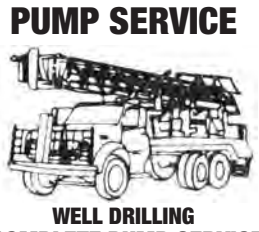

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Guest Editorial

By Rep. K. Michael Conaway (R-TX), Rep. Collin Peterson (D-MN), Rep. Chellie Pingree (D-ME)

Have you ever gotten into an argument about whether a carton of eggs is still good even though the date on the label has passed? It's happened in our households and we bet it's happened in yours.

Although it seems like a harmless domestic disagreement, the truth is when you throw away perfectly good food simply because the date has passed, that food is wasted. While date labels are intended as a marketing tool to convey to consumers peak quality, they are often confused with issues of food safety leading consumers to discard perfectly safe food.

Most of that wasted food ends up in landfills. In fact, food is the largest single source of waste in municipal landfills. And the amount of food that goes to waste is increasing every year. This is a significant problem, but it's also a significant opportunity. While all this food is being wasted, 46.5 million Americans are food insecure according to data by Feeding America. We can cut that number in half if we stop throwing away so much food and reduce food waste by just 15 percent.

Tackling this problem requires us to look at every part of the food system. Food gets wasted at the farm, in grocery stores, restaurants, in grade schools, universities, and in our homes. Some of the solutions may involve changes to public policy, while others may happen entirely within the private sector. A little common sense, public education, and a change in behavior will go a long way toward reducing the amount of good food we throw away every year.

In Congress, we've begun discussing ways that we can address food waste, and at a Wednesday hearing of the House Agriculture Committee, we will listen to the testimony of experts from both the public and private sectors.

One witness will be Jesse Fink, a successful entrepreneur who is the driving force behind a new report, ReFED—a Roadmap to Reduce U.S. Food Waste that takes a comprehensive and objective look at the drivers of food waste and identifies cost-effective and efficient solutions. The committee will also hear about research and first-hand examples of efforts undertaken to lessen food waste.

It marks the start of a bipartisan effort to address food waste. Addressing this problem shouldn't depend on what party we belong to or what part of the country we represent.

And in the end, we should also remember the advice of our grandmothers, who told us to clean our plates and not let all that good food go to waste.

Osborne to introduce Accu-Team™ at World Pork Expo in Iowa

Osborne Industries, Inc., a leader in the development of RFID (radio frequency identification)-driven swine management equipment, will be debuting ACCU-TEAM™ at the World Pork Expo, in Des Moines, Iowa, June 8-10, 2016. Osborne can be found at booth 451 in the Varied Industries Building.

The ACCU-TEAM system is the first and only patented electronic sow feeding (ESF) system with integrated animal weighing technology. The system reliably captures individual body weights inside the feeding station to better target-feed sows and gilts throughout gestation. Producers and researchers have the ability to use the ACCU-TEAM system for dam selection for mature target weight in gilt development. Currently used to test differing feedstuffs and feed additives by specialized research facilities, ACCU-TEAM will be introduced to the industry at the World Pork Expo.

"ACCU-TEAM provides researchers and producers with an important tool that captures both feeding and weighing information simultaneously," said George Eakin, president & CEO of Osborne. "The weighing platform inside the ESF station completely eliminates the need for a secondary weighing station which increases investment costs and animal stress, and reduces free barn space."

The backbone of the new ACCU-TEAM system is Osborne's TEAM (Total Electronic Animal Management) ESF system. TEAM operates as a trusted and proven ESF (electronic sow feeding) system, developed through the collaboration of Osborne and various European companies in the 1980s. Osborne refined the system at their demonstration farm in the 1990s, and to this day, continues to supply its "rock- solid" ESF system all over the world.

"Osborne was a key player in the development of ESF technology and has refined the management process since its inception over three decades ago," said Brent Brown, engineering manager at Osborne. "ESF with TEAM is a tool that yields KPIs (key performance indicators) equal to or better than traditional stall systems, and ACCU-TEAM now allows for the collection of another important piece of information to allow producers and researchers to make more informed management decisions."

To learn more about all of Osborne's innovative swine management equipment and the all new ACCU-TEAM system, visit booth 451 in the Varied Industries Building at the World Pork Expo, June 8-10, 2016. For more information, contact Osborne at 1-800-255-0316 (1-785-346-2192), e-mail info @osborne-ind.com or visit www.osborne livestockequipment.com.

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Forest industry adds $2.1 billion to Kansas

Economics has been described as stating the obvious in terms of the incomprehensible. At times, it does seem unnecessarily complicated. When I want to know something about economics, I "high-tail it" to an economist. In this case, Tom Trieman, a natural resource economist and forester with the Missouri Department of Conservation.

Tom recently conducted an economic impact analysis of the Kansas forest and wood industry using an IMPLAN model. In the mid-1970s, the USDA Forest Service developed IMPLAN (IMpact analysis for PLANning) for community impact analysis. Economic impact analyses examine the effect of economic activity in a given area – in this case, Kansas. Economic impact is usually measured in terms of changes in economic growth, and associated changes in jobs and income. The analysis estimated the level of economic activity using the most recent available data from 2014, and calculated the difference from what would otherwise be expected if the activity did not occur.

Economic impact analysis is broader than cost-benefit analysis because it considers business relocation and spending multiplier impacts. However, cost-benefit analysis is broader in that it counts non-economic benefits that have a value to people though they do not directly affect the flow of money in the economy. In the case of trees and forests, it includes shade, water quality, and other benefits.

The IMPLAN model Trieman used captured what each forestry or wood-related business needed to purchase from every other business to produce a dollar's worth of goods or services. Flows of economic activity associated with spending included spending that generated wages for employees who also purchased groceries, utilities, and other products. IMPLAN is able to provide regional multiplier estimates for over 50 business sectors.

IMPLAN estimates that Kansas forest products, wood, lumber, paper, and related industries contributed $2.1 billion to the Kansas economy, in 2016 dollars. These industries support over 9,000 jobs at a payroll of over $490 million, and are responsible for about $169 million in taxes that help to run the state and country. These numbers include logging and sawmill operations, secondary wood products, furniture and cabinet makers, log cabins, and paperboard manufacturing, among others. The grand total includes not only the direct effect of jobs in the industry, but secondary effects or indirect effects, in the economy as a whole. Indirect effects are the changes in sales, income, or employment of businesses supplying goods and services to forest products industry. Another secondary effect is increased sales from household spending from the income earned by forest product and supporting industries. Forest industry employees also spend money they earn on housing, utilities, groceries, and other consumer goods and services.

The numbers above represent the impact of forest products defined to include all primary processors (sawmills) and secondary processors (cabinet makers, etc.) as well as paper products. Using a narrower definition without paper products shows a total impact of $879 million in 2014, supporting about 4,500 jobs. Just considering field and logging operations plus primary mills, the 2014 total impact is estimated at $51.6 million, supporting about 450 jobs at a payroll of about $13 million.

These estimates are based on data collected by the U.S. Bureau of Economic Analysis, the U.S. Bureau of Labor Statistics, and the U.S. Department of Agriculture, and compiled by the Minnesota IMPLAN Group, Missouri Department of Conservation, and the Kansas Forest Service.

Carson Woodworth was named the champion junior showman for Dickinson County at the Wild Bill Kick 'Em Up Shootout in Abilene.

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Senate staffers tour pig farm

Staff members from the U.S. Senate Committee on Agriculture pose with the "Ham Tram," which is used to move weaned piglets to the nursery.

Seventeen staff members from the U.S. Senate Committee on Agriculture toured Springer Family Foods earlier this month to gain a better understanding of modern pig farming practices.

Michael Springer, part owner and operator, gave the group a history of his family's farrow-to-finish farm, located in rural Sycamore. Started in the late 1940s by his grandparents, Lee and Dorothy, the farm has grown to also raise wheat, corn and soybeans.

Staffers toured the farrowing, nursery and finishing barns, and were able to ask questions on industry practices such as antibiotic use, gestation stalls and environmental regulations.

Committee members were able to hold and take photos with the piglets. Pictured is Will Stafford, Senator Roberts' agriculture legislative assistant. *Courtesy photos*

Royal-Grow announces new and advanced generation of herbicide adjuvant

Royal-Grow, a foliar fertilizer and soil enhancement company in Tulsa, Okla., announces the creation of the third generation of Herbicide Booster. This advanced herbicide adjuvant is a necessity for all crop and forage producers.

The third generation of Herbicide Booster is designed with smaller particles to blend quickly with all types of herbicide chemistry. It has a contact to surface absorption time of less than 40 seconds. The new and improved adjuvant works on all types of seasonal and perennial weeds. It is designed to take to the herbicide's active ingredient deeper into the plant, resulting in a harder kill.

"Herbicide Booster succeeds when other products fall short," said Jared McGlothlin, Royal-Grow representative. "Herbicide Booster is an adjuvant that works by aiding the penetration of the herbicide, allowing it to work more efficiently."

This adjuvant can be added directly to the spray tank. Always mix the adjuvant with herbicide first, then add proper amount of water and mix well. Herbicide Booster - Generation 3, has a recommended application rate of 2 ounces per acre. One 2.5 gallon container will cover approximately 160 acres. In pasture trials, a desired kill has been achieved with minimal rates of herbicide when applied with Herbicide Booster at 2 ounces per acre. A similar response has been found in crop scenarios such as burn down or when dealing with resistant weeds, such as Mare's Tail, Kochia and Waterhemp, McGlothlin said.

Herbicide Booster video demonstration and research data is available on their website, www.royal-grow.com/herbicidebooster.htm. Producers are using Royal-Grow as a cost effective management practice for crop and forage production. The company targets the plants and soil to help producers enhance yields and net profit. For more information about Royal-Grow starters, foliar fertilizers, biological and adjuvants, contact a Royal-Grow representative at 1-888-292-5760 or info@royal-grow.com.

GRASS&GRAIN

Cattlemen's Seminar to showcase progress in multi-breed genetic evaluation

Ranchers looking to make an informed genetic selection across multiple breeds will want to mark June 14, 2016, on the calendar and attend the Cattlemen's Seminar hosted by International Genetic Solutions. The session will be held at the Hilton Garden Inn, Manhattan at 10:30 a.m. The meeting is scheduled ahead of the official Beef Improvement Federation meeting.

Cattlemen will hear about the latest development of BOLT, the technology being developed to greatly enhance and leverage the availability of genomic information, and ultimately accelerate the rate of genetic improvement. Dr. Bruce Golden, one of the developers of the technology, will explain the development and the benefit of this innovative evaluation system, which is expected to come online this summer.

A panel of renowned cattlemen and industry leaders including, Donnell Brown, R.A. Brown Ranch; Tracy Brunner, NCBA president, Cow Camp Ranch; Steve Munger, Eagle Pass Ranch and Chip Ramsay, Rex Ranches, will share how using this technology and multi-breed evaluation data has helped improve their breeding programs and overall cowherd performance.

This project has also resulted in historic collaboration between breeds that has never before been seen in the beef industry. The session attendees will also have the privilege of hearing from association leadership including Tom Brink, Red Angus Association of America; Bruce Holmquist, Canadian Simmental Association; Dr. Wade Shafer, American Simmental Association and Montie Soules, American Shorthorn Association, about the importance of utilizing this groundbreaking technology for genetic improvement.

All cattlemen, including commercial and seedstock producers alike, are invited to attend this two-hour session to learn more about this innovative, groundbreaking development. There is no charge for this session.

IGS is a collaboration of 12 progressive breed associations that have put the needs of the commercial cattle producer first by creating an unprecedented multi-breed genetic evaluation. With over 16 million total animals and 340,000-plus new animals being added annually, IGS has the largest beef genetic evaluation system in the world.

If cattlemen have additional questions about this session, please contact Chip Kemp, American Simmental Association, at 406-587-4531 or email ckemp@simmgene.com

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CALVES BY THE HEAD		
WASHINGTON	1 BLK STR	$325.00
FRANKFORT	2 RED HFR	$285.00
LINN	1 BLK HFR	$200.00
FRANKFORT	1 BLK BULL	$150.00
STEERS		
BAILEYVILLE	1 XBRD STR	255@$206.00
ST. GEORGE	2 BLK STR	437@$188.00
OLSBURG	3 CHAR STR	516@$187.00
STEELE CITY,NE	1 XBRD STR	420@$181.00
MARYSVILLE	2 BLK STR	487@$180.00
STEELE CITY,NE	1 BLK STR	465@$178.00
BLUE RAPIDS	3 XBRD BULL	375@$173.00
FRANKFORT	11 MIX STR	518@$169.50
MARYSVILLE	12 XBRD STR	581@$166.00
MARYSVILLE	1 RED STR	500@$161.00
OLSBURG	12 CHAR STR	616@$160.00
MARYSVILLE	9 BLK STR	622@$159.50
ST. GEORGE	4 BLK STR	638@$148.00
SABETHA	8 BLK STR	754@$142.50
FRANKFORT	15 XBRD STR	711@$141.25
MARYSVILLE	1 XBRD STR	700@$140.00
FRANKFORT	3 XBRD STR	818@$136.50
SABETHA	3 XBRD STR	853@$134.25
HANOVER	3 BLK STR	858@$125.50
BERN	1 BLK BULL	1,095@$114.00
BERN	1 BLK BULL	1,275@$106.00
HEIFERS		
BLUE RAPIDS	3 XBRD HFR	393@$149.00
FAIRBURY,NE	2 BLK HFR	552@$148.50
MARYSVILLE	5 XBRD HFR	506@$146.50
MARYSVILLE	10 XBRD HFR	597@$143.50
WATERVILLE	2 XBRD HFR	530@$141.50
FAIRBURY,NE	1 BLK HFR	685@$134.50
HANOVER	2 BLK HFR	505@$131.00
SABETHA	6 XBRD HFR	750@$130.00
FRANKFORT	9 XBRD HFR	703@$130.00
FRANKFORT	4 XBRD HFR	812@$127.00
BLUE RAPIDS	1 XBRD HFR	790@$127.00
HANOVER	2 BLK HFR	657@$127.00
SABETHA	3 BLK HFR	825@$126.00
FRANKFORT	3 XBRD HFR	505@$126.00
WASHINGTON	1 BLK HFR	655@$125.00
HFRETTES		
FRANKFORT	1 BLK HFRETTE	935@$121.00
ST. GEORGE	1 BLK HFRETTE	940@$107.00
BAILEYVILLE	1 BLK HFRETTE	1,160@$107.00
WASHINGTON	1 BLK HFRETTE	1,145@$104.00
WASHINGTON	1 BLK HFRETTE	1,235@$98.00
BAILEYVILLE	1 BLK HFRETTE	1,120@$96.00
HANOVER	1 BLK HFRETTE	1,125@$93.50
WASHINGTON	1 XBRD HFRETTE	1,025@$93.00
MARYSVILLE	1 BLK HFRETTE	1,215@$93.00
SENECA	1 BLK HFRETTE	960@$92.00
WASHINGTON	1 BLK HFRETTE	1,035@$92.00
LINN	2 BLK HFRETTE	1,140@$91.00
BAILEYVILLE	1 BWF HFRETTE	1,085@$90.00
WASHINGTON	1 BLK HFRETTE	1,415@$89.50
HANOVER	1 BLK HFRETTE	1,125@$87.00
WASHINGTON	1 BLK HFRETTE	1,480@$86.00
FRANKFORT	1 BLK HFRETTE	1,110@$86.00
BLUE RAPIDS	1 BLK HFRETTE	965@$80.00
BRED COWS/PAIRS		
BLUE RAPIDS	1 BLK COW 6 YRS 8 MO	$1,400.00
BLUE RAPIDS	1 BLK COW 6 YRS 2 MO	$1,300.00
WASHINGTON	1 BLK COW 6 YRS 6 MO	$1,275.00
BLUE RAPIDS	2 BLK COW 4 YRS 2 MO	$1,125.00
WASHINGTON	1 BLK COW 6 YRS 2 MO	$1,100.00
BLUE RAPIDS	1 BLK COW SS 5 MO	$1,025.00
WASHINGTON	2 BLK CCPR 5-6 YRS	$1,925.00
WASHINGTON	2 RED CCPR 5-6 YRS	$1,675.00
BLUE RAPIDS	2 BWF CCPR 4 YRS	$1,585.00
WASHINGTON	4 MIX CCPR SS	$1,450.00
BLUE RAPIDS	2 XBRD CCPR 6 YRS	$1,360.00
HANOVER	2 BLK CCPR 8 YRS	$1,350.00
WASHINGTON	2 BLK CCPR SS	$1,325.00
WASHINGTON	1 BLK CCPR SS	$1,285.00
BLUE RAPIDS	2 XBRD CCPR AGED	$1,250.00
WASHINGTON	1 XBRD CCPR AGED	$1,200.00
PHILLY,NE	1 XBRD CCPR 10 YRS	$1,000.00
COWS		
RANDOLPH	1 BLK COW	1,495@$82.50
MARYSVILLE	1 RED COW	1,500@$82.00
HANOVER	1 BLK COW	1,555@$78.00
MARYSVILLE	1 BLK COW	1,650@$78.00
FRANKFORT	1 BLK COW	1,325@$77.50
MARYSVILLE	1 BWF COW	1,445@$77.50
HANOVER	1 BLK COW	1,735@$77.50
HANOVER	1 BLK COW	1,430@$77.50
HANOVER	1 BWF COW	1,245@$77.50
BAILEYVILLE	1 BWF COW	1,400@$77.00
HANOVER	1 BLK COW	1,650@$76.50
BAILEYVILLE	1 XBRD COW	1,410@$76.50
BREMEN	1 BLK COW	1,675@$76.50
BAILEYVILLE	1 BLK COW	1,520@$75.50
FRANKFORT	1 BWF COW	1,045@$75.00
SENECA	1 BLK COW	1,000@$75.00
FRANKFORT	1 BLK COW	1,280@$74.50
MARYSVILLE	1 BLK COW	1,315@$74.50
FRANKFORT	1 BLK COW	1,265@$74.00
FRANKFORT	1 BWF COW	1,305@$74.00
FRANKFORT	1 BLK COW	1,130@$73.50
HANOVER	1 BLK COW	1,415@$73.50
WASHINGTON	1 BLK COW	1,785@$73.50
MARYSVILLE	1 BWF COW	1,455@$73.00
GREENLEAF	1 BLK COW	1,525@$73.00
RANDOLPH	1 BLK COW	1,375@$73.00
SENECA	1 BLK COW	1,345@$73.00
BREMEN	1 BLK COW	1,755@$72.50
HANOVER	1 BLK COW	1,470@$72.50
HANOVER	1 BLK COW	1,580@$72.50
MARYSVILLE	1 BLK COW	1,410@$72.50
BLUE RAPIDS	1 BLK COW	1,155@$72.50
BLUE RAPIDS	1 BLK COW	995@$71.50
HANOVER	1 BLK COW	1,600@$70.50
SUMMERFIELD	1 RED COW	1,290@$70.50
FRANKFORT	1 BLK COW	1,530@$70.50
FRANKFORT	1 BLK COW	1,320@$70.50
FRANKFORT	1 BWF COW	1,290@$69.50
FRANKFORT	1 BLK COW	1,330@$69.00
WYMORE,NE	1 BLK COW	1,195@$69.00
BREMEN	1 BLK COW	1,325@$69.00
HANOVER	1 CHAR COW	1,205@$69.00
BLUE RAPIDS	2 MIX COW	1,090@$69.00
TECUMSEH,NE	1 XBRD COW	1,165@$68.50
TECUMSEH,NE	1 BLK COW	1,180@$68.50
TECUMSEH,NE	1 BWF COW	1,260@$68.00
TECUMSEH,NE	1 BLK COW	1,380@$67.50
FRANKFORT	1 BLK COW	1,185@$67.00
BLUE RAPIDS	1 RED COW	1,035@$67.00
WASHINGTON	1 BLK COW	1,045@$66.00
BLUE RAPIDS	1 BWF COW	1,265@$65.50
TECUMSEH,NE	1 XBRD COW	1,540@$65.50
RANDOLPH	1 BLK COW	1,385@$65.50
SENECA	1 BLK COW	1,245@$65.00
TECUMSEH,NE	1 BLK COW	1,340@$64.50
HANOVER	1 BLK COW	1,280@$64.00
WASHINGTON	1 XBRD COW	1,055@$64.00
BLUE RAPIDS	1 XBRD COW	935@$63.50
BLUE RAPIDS	1 BLK COW	1,050@$63.50
MARYSVILLE	1 BLK COW	1,530@$63.50
SUMMERFIELD	1 XBRD COW	1,140@$63.50
FRANKFORT	1 BLK COW	890@$63.00
BLUE RAPIDS	1 BWF COW	1,135@$63.00
WASHINGTON	1 BLK COW	1,180@$62.50
HANOVER	1 BLK COW	1,265@$62.00
HANOVER	1 BLK COW	1,120@$61.50
CENTRALIA	1 RED COW	1,245@$61.50
CENTRALIA	1 RED COW	1,150@$61.00
FRANKFORT	1 BLK COW	1,095@$61.00
TECUMSEH,NE	1 BLK COW	1,265@$60.50
SENECA	1 BLK COW	925@$60.00
MARYSVILLE	1 BLK COW	1,410@$60.00
ADULT BULLS		
WASHINGTON	1 BLK BULL	1,890@$104.00
WASHINGTON	1 BLK BULL	2,140@$102.00
FAIRBURY,NE	1 BLK BULL	1,770@$96.00
MARYSVILLE	1 WF BULL	2,270@$95.00
BURCHARD,NE	1 RED BULL	1,675@$95.00
BLUE RAPIDS	1 BLK BULL	1,330@$86.00
BAILEYVILLE	1 HOL BULL	2,440@$85.50

EARLY CONSIGNMENTS FOR 6-2-2016

11	BLK PAIRS	OLDER	
5	BLK COWS - FALL CALVERS OLDER		
8	BLK STRS/HFRS	400-500#	WV HR
30	MIX STRS/HFRS	450-550#	WV HR
10	MIX STRS/HFRS	450-600#	WV HR
60	BLK STRS/HFRS	500-700#	WV HR
35	BLK STRS/HFRS	500-650#	WV HR
65	BLK HFRS	800-825#	WV

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Kansas cattle on feed up 4 percent

Kansas feedlots, with capacities of 1,000 or more head, contained 2.15 million cattle on feed on May 1, according to the USDA's National Agricultural Statistics Service. This inventory was up 4 percent from last year.

Placements during April totaled 370,000 head, up 17 percent from 2015. Fed cattle marketings for the month of April totaled 385,000 head, up 8 percent from last year. Other disappearance during April totaled 15,000 head, up 5,000 head from last year.

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1 blk	1425@95.50	1 blk bad eye	570@100.00
1 blk	1510@100.00	3 bwf	693@149.00
1 blk	1675@99.50	10 mix	687@141.00
1 blk	1635@98.50	5 blk	692@141.00
1 blk	1720@100.00	1 blk broke leg	620@31.00
1 red	1710@95.50	15 mix	749@136.00
1 blk	1905@102.00	12 blk	777@132.00
1 bwf	2060@101.00	1 bwf	880@120.00
1 red	2000@99.00	1 blk	925@126.50
1 blk	2155@97.50	6 blk	935@126.50
	BULLCALVES	3 blk	953@119.00
1 blk	450@171.00	1 blk	980@119.00
3 blk	533@170.00	1 blk	960@116.00
	COWS	1 blk	900@110.00
1 blk	1320@70.50	1 blk	1005@125.00
1 bwf	1400@83.00	1 blk	1040@110.00
1 blk	1400@77.00	1 blk	1025@80.00
1 blk	1435@76.50	1 wf	1100@110.00
1 blk	1400@75.00	1 blk	1350@79.50
1 red	1470@74.50		PAIRS
1 blk	1430@68.50	2 blk	1078@1160.00
1 blk	1555@82.00	2 blk	1285@1400.00
1 blk brf	1520@80.00	1 red	1370@1425.00
1 blk	1590@80.00	2 wf	1348@1375.00
1 blk	1510@79.50	1 blk	1415@1650.00
1 blk	1505@7750	2 wf	1415@1550.00
1 blk	1595@77.50	1 red	1470@1500.00
1 blk	1575@74.50		STEERS
1 blk	1620@81.50	1 blk brf	455@180.00
1 bwf	1695@78.00	2 blk	565@172.00
1 hols	1655@68.00	1 red	745@165.00
1 blk	1835@75.50	4 blk	724@159.00
	HEIFERS	3 spot	778@90.00
3 blk	355@173.00	1 spot	925@85.00
1 blk	470@163.00	1 blk	1075@118.00
4 blk brf	518@173.00	1 blk	1105@113.00

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Faces of Leadership: PRIDE Convention registration now open

The National Junior Hereford Association Faces of Leadership: PRIDE Convention, sponsored by the Hereford Youth Foundation of America, is set to take place August 6-9 in Amarillo, Texas.

The three-day event focuses on leadership development and is open to junior members ages 14-22. Convention highlights include a tour of the Palo Duro Canyon, tours of Barber Ranch, C&M Herefords and Copeland and Sons Herefords, a tour of West Texas A&M University and their research feedlots, and workshops from American Hereford Association staff.

"Faces of Leadership is a unique opportunity for junior members because it takes them out of the show ring and puts them in a real-world setting," said Amy Cowan, director of youth activities and foundation for the American Hereford Association. "This conference will give participants a look at the Hereford industry and give them a great opportunity to network and build leadership skills."

Early-bird registration is due June 15th and is $300. The cost to attend jumps to $400 after June 15th. The deadline to register is July 15th. Registration includes all meals, hotel and transportation to events.

To register for Faces of Leadership, visit hereford.org/juniors/pride-registration.

Kansas announces Monarch Butterfly Habitat Development Initiative

Eric B. Banks, state conservationist with U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) announced the Monarch Butterfly Habitat Development Initiative being offered in Kansas through the Environmental Quality Incentives Program (EQIP). While NRCS accepts applications for EQIP on a continuous basis, a deadline of June 24, 2016, has been set for the 2016 Monarch Butterfly Habitat Development Initiative.

NRCS will provide technical and financial assistance through EQIP working with agricultural producers to combat the decline of monarch butterflies. Kansas producers and conservation partners can apply management practices to native rangeland and pasture to increase milkweed and other nectar-rich plants needed to support monarch butterflies. In addition, assistance can be provided for milkweed and nectar-rich plantings.

To accelerate conservation to benefit monarch butterflies, NRCS is targeting conservation efforts at the heart of the butterfly's migration route. NRCS will assist producers in targeted counties to implement practices specifically to provide habitat for the monarch butterfly. Counties within the Kansas Monarch Butterfly Habitat Development Initiative include:

Allen, Anderson, Atchison, Barber, Barton, Bourbon, Brown, Chase, Clark, Clay, Cloud, Coffey, Comanche, Cowley, Crawford, Dickinson, Doniphan, Douglas, Edwards, Ellis, Ellsworth, Finney, Ford, Franklin, Geary, Gove, Graham, Gray, Greenwood, Harper, Harvey, Haskell, Hodgeman, Jackson, Jefferson, Jewell, Johnson, Kingman, Kiowa, Lane, Leavenworth, Lincoln, Linn, Lyon, Mcpherson, Marion, Marshall, Meade, Miami, Mitchell, Morris, Nemaha, Neosho, Ness, Norton, Osage, Osborne, Ottawa, Pawnee, Phillips, Pottawatomie, Pratt, Reno, Republic, Rice, Riley, Rooks, Rush, Russell, Saline, Sedgwick, Seward, Shawnee, Sheridan, Smith, Stafford, Stevens, Sumner, Trego, Wabaunsee, Washington, Wilson, Woodson, and Wyandotte.

Please contact your local NRCS office or conservation district office located at your local county USDA Service Center (listed on the internet at offices.usda.gov) for assistance. More information is also available on the Kansas website at www.ks.nrcs.usda.gov. Follow us on Twitter @NRCS_Kansas. USDA is an equal opportunity provider, employer, and lender.

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USDA announces $2.4 million in available funding to relieve veterinary shortages

USDA's National Institute of Food and Agriculture (NIFA) has announced $2.4 million in available funding to relieve veterinarian shortage situations through education, Extension and training as well as support for veterinary practices in designated shortage areas. This funding was authorized by the Veterinary Services Grant Program (VSGP) in the 2014 Farm Bill.

"These funds support activities for veterinarians and veterinary technicians, helping them gain the specialized skills to address shortages in parts of the country," said NIFA director Sonny Ramaswamy. "Funds are also available for establishing or expanding veterinary practices in underserved rural areas."

According to a press release from USDA, the competitive VSGP grants support activities to develop, implement, and sustain veterinary services through education, training, recruitment, and retention of veterinarians, veterinary technicians, and students of veterinary medicine and veterinary technology. Grants will also be made to establish or expand veterinary practices in rural areas.

Applications are due June 17. View the request for applications at http://tinyurl.com/NIFA-5-13-16.

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Wednesday Sale, Hogs NOON • Cattle 12:30 PM

For the week of May 25, 2016:
Light run, not enough to test market.

CONSIGNMENTS FOR WEDNESDAY, JUNE 1:
120 blk cross steers.....850-900 lbs.
60 Angus cross heifers.....700-900 lbs.

UPCOMING SALE SCHEDULE

• June 1st sale • June 8th NO Sale

• June 15th Sale • June 22nd NO Sale

• June 29th Sale • July 6th No Sale

JULY 13TH BACK TO REGULAR SCHEDULE

Dates are subject to Harvest depending on when it is!

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

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

For the week of May 24, 2016:
Light run, not enough to test market.

UPCOMING SALE SCHEDULE

• MAY 31ST NO SALE

• JUNE 4TH SHEEP & GOAT SALE

• JUNE 7TH SALE • JUNE 14TH NO SALE

• JUNE 21ST SALE • JUNE 28TH NO SALE

• JULY 2ND NO SHEEP & GOAT SALE

• JULY 5TH SALE

JULY 12TH BACK TO REGULAR

SALE SCHEDULE
Dates are subject to Wheat Harvest.

Visit our new website at jccclivestock.com

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

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

Radio Market Reports KFRM 550 Tues. & Wed. 8:00 am

KARL LANGVARDT 785-499-5434 Cell: 785-499-2945

MITCH LANGVARDT 785-238-1858 Cell: 785-761-5814

LYNN LANGVARDT 785-762-2702 Cell: 785-761-5813

Radio Market Reports KCLY-Fm 100.9 Tues. 6:45 a.m.

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Joseph Ebert, General Manager
P.O. Box 516, Clay Center, KS 67432
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Four State Farm Show coming in July

Farmers and ranchers will explore more than 25 acres of agricultural technology and equipment at the 2016 Four State Farm Show near Pittsburg.

Set for Friday, Saturday and Sunday, July 22, 23 and 24, the Four State Farm Show has a 41-year legacy of providing the agricultural community with a hands-on look at the finest in goods and services.

"We pride ourselves on delivering the kind of experience that benefits both farmers and agribusinesses," said Ted Gum, Four State Farm Show coordinator and *Farm Talk Newspaper* co-publisher. "This is the place to learn more about what's available to raise the efficiency bar in your operation."

But the Four State Farm Show is much more than just product displays. Extensive hay equipment demonstrations put a wide variety of implements to work under field conditions each day. Additionally, a lawn mower test-driving range will give qualified visitors the opportunity to operate the models of their choice.

Visitors will also have the opportunity to win the Four State Farm Show Shopping Spree and shop the great deals at exhibitor booths.

"We'll give away $1,000 a day at the Farm Talk booth and $500 each day at the hay-demonstrations," Gum explained.

Farm Show Dollars must be used for purchases with Four State Farm Show exhibitors.

In its rich history, the Four State Farm Show has become a "Mall of Agriculture," growing to nearly 700 booths covering over 25 acres.

As always, parking and admission are free.

Show hours are 7:30 a.m. to 3 p.m. on Friday and Saturday and 8 a.m. to 3 p.m. onSunday.

The Four State Farm Show grounds are located south of Pittsburg to the junction of Highways 400, 69 and K-171, then one-half mile east.

The Four State Farm Show is sponsored by *Farm Talk Newspaper*. For more information, call 1-800-356-8255.

Kansas joins the Monarch Highway agreement

The Kansas Department of Transportation, along with five other state departments of transportation and the Federal Highway Administration, signed an agreement that will improve pollinator habitat along Interstate 35, a key migratory corridor for monarch butterflies.

Last year, I-35, which passes through Minnesota, Iowa, Missouri, Kansas, Oklahoma and Texas, was identified as a corridor that could be enhanced as butterfly habitat through the increased planting of vegetation that provides refuge and a food source.

"Kansas roadsides have been a haven for monarchs since 2008 when KDOT started planting butterfly milkweed and other native wildflowers on the roadsides," Scott Shields, KDOT environmental scientist, said. "We are excited to partner with other states on I-35 to provide education and habitat for these important pollinator insects."

This agreement establishes a cooperative and coordinated effort to establish best practices and promote public awareness of the monarch butterfly and other pollinating insects.

Monarch butterflies hatch in late summer or early fall, wintering in Mexico. In the spring, butterflies begin their 2,000-mile trek north. Along the way, they lay eggs that develop into butterflies that finish the trip and begin the cycle again.

"We are trying to build awareness about the best practices for pollinators," Shields said. "We are hoping that we can create a habitat that benefits the monarch butterflies and other critically important pollinating insects so that they can thrive. This benefits everyone in the long run."

Americans strive for healthier diet

The International Food Information Council Foundation released the findings of its latest survey on consumer attitudes toward food. Overall, the results showed that people are conscious about what they eat and are interested in learning more about what makes food healthy in order to make informed decisions. More people are examining food labels than in last year's survey. Nearly half of respondents said they had read an article or book or watched a documentary about the food system in the past year, and about half of those made changes to their food purchases based on what they learned. The majority of those surveyed did not have a change in opinion on animal protein over the last year. However, 12 percent said they now perceive it as more healthful, and 15 percent said they see it as less healthful.

Other topics covered in the survey involve perceptions of "natural" foods, sustainability, local foods and more. The survey found that 56 percent of Americans believe that modern agriculture produces nutritious foods, 53 percent believe it produces safe foods, and 51 percent believe it produces high-quality foods.

To view the full survey results, visit http://tinyurl.com/2016-Food-Survey.

USDA extends deadline for recording farm structure

Agriculture Secretary Tom Vilsack has announced a one-time, 30-day extension to the June 1 deadline for recording farm organization structures related to Actively Engaged in Farming determinations. This date is used to determine the level of interest an individual holds in a legal entity for the applicable program year. Farming operations will now have until July 1 to complete their restructuring or finalize any operational change. The U.S. Department of Agriculture (USDA) issued the extension in response to farmers and ranchers who requested more time to comply, and to assure that everyone has enough time to provide their information under the new rules.

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Manager: Matt Kruse, 785-556-0715
Fieldman: Terry Ohlde: 785-747-6554
View our website for current market report!
www.washingtoncountylivestock.com

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 64 Years!
****STARTING TIME: 12:00 NOON****

MARKET REPORT FOR TUESDAY, MAY 24, 2016
RECEIPTS: 658 CATTLE

STEERS			
		22 hols strs	474@112.00
5 red strs	300@193.00	5 hols strs	474@105.00
1 bwf male	305@192.00	HEIFERS	
3 blk rwf strs	388@184.00	1 bwf hfr	300@184.00
4 bwf rwf strs	531@183.00	3 blk hfrs	315@182.00
5 blk strs	425@183.00	4 mix hfrs	301@177.00
6 blk bulls	378@179.50	4 blk hfrs	375@169.00
9 blk strs	538@176.00	4 blk hfrs	427@164.00
14 blk strs	557@176.00	8 red blk hfrs	413@158.00
9 blk strs	540@172.00	4 blk hfrs	476@151.50
24 blk strs	631@165.00	4 blk hfrs	528@149.00
13 blk bwf strs	663@153.50	17 blk hfrs	520@146.50
9 blk strs	735@147.00	6 bwf rwf hfrs	514@143.00
4 blk rwf strs	582@146.00	15 blk bwf hfrs	571@142.50
5 blk strs	755@141.00	4 blk hfrs	465@142.00
5 red blk strs	720@140.50	4 blk hfrs	578@140.00
5 blk strs	729@140.00	4 blk hfrs	635@140.00
5 blk strs	820@137.00	2 bwf hfrs	597@134.00
2 hols strs	425@117.00	3 blk bwf hfrs	668@128.00

• MAY 31--REGULAR WEEKLY AUCTION--12 NOON
• JUNE 7--REGULAR WEEKLY AUCTION--12 NOON
• JUNE 14--CLOSED--NO AUCTION
• JUNE 21--REGULAR WEEKLY AUCTION--12 NOON
• JUNE 28--CLOSED--NO AUCTION
• JULY 5--REGULAR WEEKLY AUCTION--12 NOON
• JULY 12--SPECIAL CALF & YEARLING AUCTION--12 NOON

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
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EL DORADO LIVESTOCK AUCTION, INC.
316-320-3212
Fax: 316-320-7159
2595 SE Highway 54, P.O. Box 622,
El Dorado, KS 67042
Market Report - Sale Date 5-26-16. Head count: 769.

300-400 lb. steers, $140-$207; heifers, $130-$185; 400-500 lb. steers, $130-$185; heifers, $125-$171; 500-600 lb. steers, $130-$168; heifers, $120-$156; 600-700 lb. steers, $120-$157; heifers, $115-$140; 700-800 lb. steers, $120-$143; heifers, $105-$130.50; 800-900 lb. steers, $105-$128; heifers, $100-$125. Trend on Calves: Choice steer & heifer calves, steady. Trend on Feeder Cattle: Not enough feeder steers & heifers for a good market test. Butcher Cows: High dressing cows: $70-$79; Avg. dressing cows: $60-$70; Low dressing cows, $30-$60. Butcher Bulls, avg. to high dressing bulls, $87.50-$105. Trend on Cows and Bulls: Butcher Cows, steady; Butcher bulls, steady.

We welcome your consignments!
If you have cattle to consign or would like additional information, please call the office at 316-320-3212
Check our website for updated consignments:
www.eldoradolivestock.com

Chris Locke (316) 320-1005 (H) (316) 322-0675 (M)
Steven Hamlin (602) 402-6008 (H) (620) 222-1199 (M)
Larry Womacks, Fieldman (620) 394-3273 (H) (620) 229-0076 (M)
Van Schmidt, Fieldman (620) 367-2331 (H) (620) 345-6879 (M)
Cattle Sale Every Thursday 11:00 AM

Eureka Livestock Sale
P.O. Box 267 Eureka, KS 67045
620-583-5008 Office 620-583-7475
Sale Every Thursday at 11:30 a.m. Sharp

On Thursday, May 26 we had 585 head of cattle with mostly packer cows & bulls.

STEERS					
		15 Jersey	744@83.00	13 blk char	686@135.50
9 blk gray	625@154.00	HEIFERS		35 blk char	855@130.75
4 bwf	616@154.00	5 blk red	419@158.00	11 bwf	903@115.00
5 blk red	611@152.00	12 mix	429@154.00	4 bwf	1158@117.00
6 blk	768@141.00	21 blk char	517@148.00	20 bwf	1141@109.00
4 blk char	833@137.00	14 bwf	574@147.00		
56 hols	1008@94.00	14 mix	636@139.25		

Butcher Cows: $53-$93, mostly $75-$83, very active.
Butcher Bulls: $93-$104, mostly $97-$103, very active.
Preg Cows: $900-$1,300. Pairs: $1,200-$1,750.

BUTCHER COWS		BUTCHER BULLS	
2 blk	1203@93.00	2 blk-Gelv	1705@104.50
2 blk	1103@92.50	1 blk	1895@103.00
1 yellow	1215@89.00	1 blk	2010@103.00
1 char	1610@85.00	1 blk	2315@103.00
1 blk	1665@84.50	1 blk	2080@102.00
1 char	1625@84.00	1 blk	2230@99.50
2 blk	1530@82.00	1 blk	1780@99.00
5 wf	998@81.75		
2 blk	1418@81.50		
5 blk	1663@81.00		
3 blk red	1400@80.50		

A good time to sell some Packer Cows & Bulls.

EARLY CONSIGNMENTS FOR JUNE 2
• 180 Fancy calf fed hols steers, 550-700 lbs. All weaned/vac. No horns. Originate from Wisconsin as calves.
• 31 mixed steers & heifers, 400-650 lbs.

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

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Tornado damages homes but spares small northern Kansas town

(AP) A large tornado that the National Weather Service said was on the ground for about 90 minutes damaged or destroyed about 20 homes in a rural area of northern Kansas and came within a mile of hitting a small town.

There were no immediate reports of injuries or fatalities from the tornado Wednesday, May 25.

Paul Froelich, Dickinson County fire district one chief, said Thursday that the tornado swept across a 23-mile stretch of rural Dickinson County, damaging about 20 homes, and that six of those homes are considered total losses.

He said crews have completed secondary searches of the damaged properties and residents are so far accounted for. More than 120 first-responders and some search dogs were on the scene overnight helping with searches, Froehlich said.

The tornado hit in a sparsely populated, rural area and missed Chapman, a small town of about 1,400 residents on the eastern edge of the tornado's path, he said.

"It's amazing how this tornado missed those centers of population," Froelich said. "And we had outstanding early warning on this... People knew well in advance of this storm. Consider also, this is Kansas. This is Tornado Alley."

Crews would begin dealing with debris management and disposal Thursday morning, including clearing several downed trees from rural roadways.

The Red Cross set up an emergency shelter for displaced families.

The tornado formed just after 7 p.m. near the Ottawa County community of Niles and stayed on the ground continuously until around 8:35 p.m. when it dissipated, National Weather Service meteorologist Chad Omitt said. Estimates are that it was a quarter- to a half-mile wide at times, he said.

The Storm Prediction Center says on its website that tornadoes can last from seconds to more than an hour, but that most tornadoes are on the ground for less than 10 minutes.

Brian Warren, a meteorologist tech with the National Weather Service in Goodland, said Thursday that the area likely experienced a type of large storm capable of producing slow-moving tornadoes known as a mesoscale convective system.

The weather service urged people to take cover as the tornado approached Chapman, which was devastated by a deadly tornado eight years ago. Omitt said "the heart" of the tornado at one point was just about a mile south of the small town, about 75 miles west of Topeka.

The twister that hit Chapman June 11, 2008, tore a path of destruction six blocks wide. Officials said one woman died, 100 homes were destroyed or heavily damaged, and 80 percent of the town was damaged.

The rough weather continued early Thursday in western Iowa, where winds gusting to 87 m.p.h. knocked over more than a dozen rail cars and toppled trees. No injuries were reported.

On Tuesday, tornadoes in western Kansas injured at least two people, and one person drowned in central Oklahoma amid heavy rain. In Arkansas, a 13-year-old boy was found safe three hours after falling into a flooded drainage pipe.

Grass & Grain Weather Report — May 31, 2016

Seven Day Forecast

TUESDAY Scat'd T-storms High: 79 Low: 60

WEDNESDAY Scat'd T-storms High: 77 Low: 56

THURSDAY Mostly Sunny High: 78 Low: 57

FRIDAY Mostly Sunny High: 80 Low: 57

SATURDAY Partly Cloudy High: 78 Low: 54

SUNDAY Mostly Sunny High: 81 Low: 55

MONDAY Sunny High: 84 Low: 58

In-Depth Local Forecast

Today we will see mostly cloudy skies with a 50% chance of showers and thunderstorms, high temperature of 79º, humidity of 57%. The record high temperature for today is 97º set in 1967. Expect mostly cloudy skies tonight with a 50% chance of showers and thunderstorms, overnight low of 60º.

Last Week's Almanac

Date	Hi/Lo	Normals	Precip
5/19	69/44	78/54	0.06"
5/20	67/54	79/54	0.03"
5/21	72/48	79/54	0.00"
5/22	85/59	79/55	0.00"
5/23	75/67	80/55	0.10"
5/24	83/60	80/55	1.37"
5/25	83/60	80/56	0.52"

Rainfall last week . . . . . 2.08"
Normal rainfall. . . . . 1.23"
Departure from normal . . . . . +0.85"
Average temp last week 66.1º
Average normal last week 67.0º
Departure from normal . . . . . -0.9º

Today's Local Outlook

This Week's Sun & Moon Chart

New 6/4 — First 6/12 — Full 6/20 — Last 6/27

Day	Sunrise	Sunset	Moonrise	Moonset
Tuesday	6:01 a.m.	8:46 p.m.	3:06 a.m.	3:42 p.m.
Wednesday	6:01 a.m.	8:47 p.m.	3:43 a.m.	4:52 p.m.
Thursday	6:00 a.m.	8:48 p.m.	4:23 a.m.	6:03 p.m.
Friday	6:00 a.m.	8:48 p.m.	5:06 a.m.	7:14 p.m.
Saturday	6:00 a.m.	8:49 p.m.	5:54 a.m.	8:22 p.m.
Sunday	6:00 a.m.	8:49 p.m.	6:47 a.m.	9:26 p.m.
Monday	5:59 a.m.	8:50 p.m.	7:45 a.m.	10:24 p.m.

Local UV Index

0 - 2	3	4	5	6	7	8	9	10	11+

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

Weather History

May 31, 1990 - Afternoon and evening thunderstorms developing along a warm front produced severe weather from northwest Texas to southeastern Louisiana. The thunderstorms spawned 16 tornadoes, including 13 in northwest Texas.

Growing Degree Days

Date	Degree Days	Date	Degree Days
5/19	6	5/23	21
5/20	10	5/24	22
5/21	10	5/25	22
5/22	22		

USMEF working to expand beef variety meats export markets

Dan Halstrom, U.S. Meat Export Federation (USMEF) senior vice president for global marketing, was featured on the Oklahoma Farm Report's Beef *Buzz* to discuss work to expand export markets for U.S. beef variety meats. Halstrom says Japan and South Korea are markets where USMEF is really focusing its efforts.

"We've had a lot of success this year in Japan, especially with beef tongue. The volume on exports is up about 20 percent compared to last year," Halstrom says. "Beef feet and oxtails have a very big market in Korea, and we've seen more volume in the first three months this year than we did in the first half of last year."

Halstrom says markets including Egypt, Peru, Angola and South Africa also have opportunity for increased U.S. variety meat exports. He says another key strategy is working to build demand in these smaller markets.

To listen to the full Beef Buzz, visit http://tinyurl.com/USMEF-5-20-16.

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Sell Or Buy **Cattle** By Auction STARTING TIME 10:30 AM **Tuesdays**

We sold 1188 cattle May 24. Steer and heifer calves were in good demand at steady prices. Feeder steers and heifers sold steady to $5.00 lower. Cows and bulls sold at steady prices.

STEER & BULL CALVES

5 blk strs	421 @ 213.00
28 blk/bwf strs	447 @ 211.00
2 blk strs/bulls	408 @ 206.00
2 x-bred strs	453 @ 196.00
3 blk strs	398 @ 195.00
7 blk strs	461 @ 194.00
2 red strs	473 @ 185.00
8 blk strs	535 @ 181.00
3 blk strs	485 @ 180.00
1 wf str	435 @ 177.00
2 blk strs	545 @ 176.00
1 blk str	530 @ 175.00
3 wf/blk strs	475 @ 171.00
1 char str	540 @ 151.00

STOCKER & FEERDER STEERS

6 blk/bwf strs	558 @ 173.00
1 blk str	565 @ 170.00
3 blk/bwf strs	620 @ 159.50
4 blk/bwf strs	601 @ 157.50
3 blk/bwf strs	627 @ 155.00
3 blk strs	678 @ 155.00
6 red strs	646 @ 153.00
3 limo strs	633 @ 152.50
65 blk/bwf strs	781 @ 147.25
62 blk/bwf strs	872 @ 141.10
8 wf strs	676 @ 140.00
3 blk strs	762 @ 140.00
73 blk/red strs	890 @ 139.85
36 blk strs	833 @ 139.35
22 blk strs	884 @ 134.00
54 blk/bwf strs	959 @ 134.00
3 blk strs	778 @ 133.50
17 blk/bwf strs	958 @ 124.50
98 mix strs	1073 @ 123.85

HEIFER CALVES

4 blk hfrs	368 @ 186.00
6 blk/red hfrs	438 @ 173.00
6 blk/red hfrs	417 @ 172.00
3 blk hfrs	270 @ 170.00
5 wf hfrs	286 @ 167.00
1 blk hfr	460 @ 165.00
9 blk/bwf hfrs	498 @ 160.50
1 blk hfr	460 @ 160.00
26 blk hfrs	520 @ 155.00
3 wf hfrs	458 @ 150.00
4 wf hfrs	539 @ 142.00

STOCKER & FEEDER HEIFERS

17 blk/red hfrs	561 @ 151.00
3 blk/bwf hfrs	560 @ 149.00
8 blk/bwf hfrs	610 @ 142.50
2 blk/bwf hfrs	598 @ 135.00
3 limo hfrs	598 @ 135.00
64 blk/bwf hfrs	748 @ 134.75
2 wf hfrs	675 @ 130.00
3 x-bred hfrs	713 @ 130.00
3 blk/bwf hfrs	763 @ 130.00
63 blk hfrs	814 @ 129.10
140 mix hfrs	804 @ 128.35
40 blk/bwf hfrs	836 @ 127.25
20 blk/bwf hfrs	788 @ 127.00
17 x-bred hfrs	861 @ 122.75

COWS & HEIFERETTES

2 blk hfrts	948 @ 128.00
1 wf hfrt	865 @ 124.00
1 bwf hfrt	1010 @ 120.00
1 blk hfrt	1055 @ 119.00
1 blk hfrt	925 @ 111.00
1 bwf hfrt	945 @ 108.00
1 blk hfrt	905 @ 107.00
1 blk hfrt	915 @ 101.00
1 blk hfrt	865 @ 95.00
1 blk hfrt	1055 @ 91.00
1 blk hfrt	1170 @ 90.00
1 blk cow	860 @ 88.00
1 wf cow	905 @ 85.00
1 blk cow	1195 @ 83.00
1 blk cow	1350 @ 82.00
1 blk cow	1130 @ 81.50
1 blk cow	1320 @ 81.00
2 blk cows	1518 @ 80.50
1 blk cow	1385 @ 80.00
1 blk cow	1295 @ 79.50
1 blk cow	1455 @ 79.00
1 blk cow	1650 @ 78.50
2 blk cows	1355 @ 78.00
1 blk cow	1635 @ 77.50
2 blk/bwf cows	1408 @ 77.00
1 blk cow	1620 @ 76.50
1 char cow	1400 @ 76.00
1 bwf cow	1150 @ 75.50
1 wf cow	1160 @ 75.00
1 blk cow	1110 @ 74.50
1 sim cow	1160 @ 74.00
1 hol cow	1300 @ 73.50
1 wf cow	1095 @ 73.00
1 blk cow	1560 @ 72.50
1 blk cow	1085 @ 72.00
1 hol cow	1375 @ 71.50
1 blk cow	1435 @ 71.00
1 blk cow	1060 @ 70.50
1 blk cow	1245 @70.00
1 blk cow	1265 @ 69.00
1 blk cow	1155 @ 68.50
1 wf cow	1095 @ 68.00
1 blk cow	1235 @ 67.50
1 red cow	1090 @ 67.00
1 blk cow	1145 @ 66.50
1 brang cow	1110 @ 66.00
1 wf cow	1370 @ 65.50
1 sim cow	1305 @ 65.00
1 blk cow	1240 @ 64.50
1 sim cow	975 @ 64.00

BRED COWS

1 blk cow	@ 1600.00
1 bwf cow	@ 1160.00
2 bwf cows	@ 1000.00

COW/CALF PAIRS

1 blk cow/cf	@ 1810.00
1 bwf cow/cf	@ 1650.00
1 blk cow/cf	@ 1600.00
1 bwf cow/cf	@ 1400.00

BULLS

1 blk sim bull	@ 2275.00
1 blk sim bull	@ 1525.00
1 blk bull 2190	@ 98.00
1 blk bull 1965	@ 97.00
1 blk bull 2080	@ 93.00
1 blk bull 1695	@ 91.50
1 blk bull 1610	@ 90.00
1 red bull 1145	@ 88.00
1 blk bull 1645	@ 85.00

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

CONSIGNMENTS FOR MAY 31:
- 40 blk strs & hfrs, 600-650 lbs., weaned, vaccinated
- 20 blk strs & hfrs, 450-550 lbs., vaccinated
- 54 blk heifers, 750-775 lbs., off rye
- 60 blk heifers, 800-825 lbs.
- 61 blk xbred steers, 900-925 lbs.

PLUS MORE BY SALE TIME!

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

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