

K-State Research and Extension specialists share tips for managing livestock in winter

Livestock producers are entering a time of year that, because of winter weather, can often be challenging for maintaining the health of their herds, but a host of management steps and best practices can help to get the animals through the tough times.

“Talking to a regional climatologist, we foresee a lot of fluctuation in weather,” said A.J. Tarpoff, a beef veterinarian with K-State Research and Extension. “The fluctuations from warm to cold are stressful on any animal, so you have to be ready for that fluctuation.

“If it gets cold and it stays cold, we can manage that very easily. The animals get used to the cold, dry environment. But when we start mixing warm to cold, and a little bit of moisture – in other words, we combine wind, cold and a wet animal – that leads to a little bit of trouble.”

Livestock that can be housed indoors – such as chickens, swine and dairy

cattle – may be protected from severe elements, but keeping them properly ventilated can be challenging.

“It’s hard to keep the fans and the ventilation adjusted appropriately because the incoming air is still somewhat warmer during the day, but then it cools off during the night as we get the different weather fronts coming through,” said Joel DeRouchey, a livestock specialist with K-State Research and Extension.

DeRouchey notes that fluctuations in indoor temperatures can cause mortalities in herds because the animals get stressed from the roller-coaster shifts.

“It’s just like humans, from the standpoint if they’re going through any stress, changes in the outside temperature leads to humans developing respiratory challenges,” he said. “It’s the same for livestock, whether they’re inside or outside.

“The most important

thing is maintaining a constant temperature. The goal is to bring animals inside to protect them from the elements, so we need to make sure our ventilation systems are managed correctly to provide that ideal environment.”

DeRouchey said that indoor ventilation also is important to keep air moisture, odor and nitrogen levels low.

For animals kept outside in feedlots, Tarpoff said one key is to provide dry bedding.

“Cattle have the right winter coat for cold weather, but whenever it starts to get windy, wet and cold, especially on frozen ground, the cattle want to find a nice, dry area to lie down and rest,” he said. “Bedding those pens, giving them the opportunity to lie down and rest decreases the stress on those cattle and allows them to increase their comfort level so they can perform at a high rate even in stressful conditions.”

Tarpoff added that a

box scraper is an important part of the equation in feedlots. Pens should be scraped routinely to level frozen areas, which will help to reduce foot injuries and the reluctance of animals to move to feed and water.

In outdoor pastures, the two K-State specialists suggest portable windbreaks, which provide shelter and can help with basic biosecurity.

“When cattle congregate in one area of the pasture for a long period of time, you build up environmental contaminants from manure,” Tarpoff said. “So move the portable windbreaks to different locations in the pasture so that you decrease the environmental contamination, which is especially important for newborn calves and control of scours.”

DeRouchey notes that portable windbreaks can force cattle to walk out of low areas to water and feed.

“It doesn’t hurt those

cows to walk out of those low areas,” he said. “From an environmental standpoint, once we start providing a lot of feed or stationary feeders in those low areas, the manure buildup and the sanitation degrades really fast.”

During severe cold periods, producers need to feed a little more hay or other forage so that the animals’ natural heat source – the rumen – can do its work. Cattle may be fed near windbreaks during times of extreme cold and snow, but DeRouchey notes that shouldn’t happen very often during the season.

Tarpoff added that water is equally important for livestock in the winter months as it is in the summer months.

“They are eating a lot more, so they need to be able to drink a lot more to balance the body’s homeostasis,” he said. “Check waterers regularly that they are not frozen over, there’s plenty of flow, and there’s plenty of volume

for animals to drink from. A frozen tank can be detrimental to any livestock operation.”

The two K-State specialists also shared some ideas to help producers get themselves through the colder months. Specific to the upcoming calving season, one tip is to feed cattle in the evenings.

“Changing our feeding strategies to the evening hours, right at dusk, will increase the number of calves born during the daylight hours, which is when the producers are out checking those cattle more regularly,” Tarpoff said.

DeRouchey also reminded producers to make sure flashlights are in working order, and store extra batteries and clothing in case they get stranded or need to be out for extended periods in cold and snowy weather.

For more severe weather tips, producers may contact their local Extension agent.

NASS research, survey, and technology advancements in 2017 serve U.S. agriculture

The U.S. Department of Agriculture’s (USDA) National Agricultural Statistics Service (NASS) has advanced a number of programs in 2017 to serve U.S. agriculture with customer- and data-driven improvements. Among these enhancements are changes

to the every-five-year census of agriculture, which officially launched at the end of November and is due in February 2018. For this census, NASS introduced an improved online questionnaire and included new questions to document changes and emerg-

ing trends in agriculture.

“America’s three million farmers, ranchers and others involved in agriculture should receive their 2017 Census of Agriculture questionnaire in the coming days, if they haven’t already,” said NASS administrator Hubert Hamer. “We ask that everyone respond promptly to represent themselves, their communities, and their industries, and to do so online, if possible. NASS heard customer feedback and worked hard to produce a user-friendly online questionnaire that saves time for producers and improves data quality.”

Those responding to the census of agriculture can now use mobile and desktop devices and readily access frequently asked questions. The form automatically calculates totals and skips sections that do not pertain to an operation. New census questions are a result of public requests. These include a

new question about military veteran status, expanded questions about food marketing practices, and questions about on-farm decision-making to help better capture the roles and contributions of beginning farmers, women farmers, and others involved in running a farm enterprise. Responses are due in February 2018.

The census of agriculture is a complete count of all U.S. farms, ranches, and those who operate them. Conducted since 1840, it is the only source of uniform, comprehensive, and impartial agriculture data for every state and county in the country. Farmers and ranchers, trade associations, government, extension educators, researchers, and many others rely on census of agriculture data when making decisions that shape American agriculture – from creating and funding farm programs to boosting services for communities and the industry. The cen-

sus of agriculture is a producer’s voice, future, and opportunity.

Geospatial Data for Rapid Disaster Response



Another 2017 accomplishment for NASS in service to U.S. agriculture was rapid disaster response to hurricanes Harvey, Irma, and Maria. For the first time, NASS used a satellite with cloud penetrating capability from the European Space Agency to provide geospatial assessments of impacted areas. This allowed the capture of real-time storm inundation over crop and pasture lands and the subsequent flood assessments. As a result, NASS was able to derive and provide a number of geospatial decision support products to help with response. These products included crop and pasture land inundated areas and percentages of impacted crops, estimates of precipitation totals, Cropland Data Layer (CDL) maps, and wind swaths or surface winds overlaid onto

crop areas identified from the CDL product. Access to and use of the satellite technology will allow NASS to provide rapid response to help with future extreme weather events.

New and streamlined honey bee information

NASS published new data on the economics of beekeeping in its annual Honey report in March 2017. New data included prices for queens, expenditures, and estimates on pollination and other incomes. Additionally, NASS has combined the annual Colony Loss and the Bee and Honey Small Operations Production, Disposition, and Income surveys into one survey to streamline data collection and reduce the burden on respondents. The name of the new survey is Bee and Honey Production and Loss Inquiry. Other honey bee surveys – the Bee and Honey Production, Disposition, and Income as well as the quarterly Colony Loss – remain the same.

MANHATTAN COMM. CATTLE AUCTION CO. INC. EVERY FRIDAY

 **1-800-834-1029 Toll-Free** **STARTING 10:00 A.M. ON WEIGH COWS FOLLOWED BY STOCKER FEEDERS — 11:00 A.M.** **OFFICE PHONE 785-776-4815 • OWNERS MERVIN SEXTON & JOHN CLINE** 

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

EARLY CONSIGNMENTS FOR JAN. 5

- 45 blk strs & hfrs, weaned 45 days, 500-700 lbs
- 80 choice reputation Angus strs & hfrs, weaned 60 days, all shots, 400-650 lbs
- 30 Blk strs, all shots, weaned, 800-850 lbs
- 30 homeraised choice reputation Herf & bwf replacement quality hfrs, weaned 90 days, all fall shots, 650-675 lbs
- 30 choice Herf & bwf strs, all fall shots, weaned 90 days, 575-625 lbs
- 90 bwf, rwf & Herf hfrs, no implants, all fall shots, weaned 90 days, 575-600 lbs
- 90 bwf & Hereford strs & hfrs, 2 rds shots, longweaned, 500-600 lbs
- 25 blk strs & hfrs, green, long weaned, 550-700 lbs
- 23 blk & bwf strs & hfrs, weaned, 2 rds shots, 550-575 lbs
- 20 blk & bwf strs & hfrs, weaned, 90 days, 2 rds shots, no implants, 600-725 lbs
- 100 choice blk & bwf strs & hfrs, weaned in Oct., 2 rds shots, 550-750 lbs

SPECIAL COW & BRED HEIFER SALE

WED., JAN. 17 starting at 11:00 AM

COMPLETE DISPERSAL CONSISTING OF:
29 Fancy blk cows, 4 yrs to SS, bred SimmAngus bull for Mar 1 calving

- 20 big blk & bwf cows, 5 yrs to older w/ late Sept.-Nov. Angus calves by side. Cows running back w/Fink Resource Angus bull since Dec. 5th.
- 25 choice homeraised OCV Angus 1st calf hfrs AI bred to LBW Angus Dash Sitz due Feb. 4th. Clean up bull also Dash Sitz in for 65 days.
- 20 homeraised SimmAngus & Angus cows bred to Angus & SimmAngus bulls for Feb. 15-April 15 calves.
- 15 big gentle OCV pelvic measured Heref., bwf, & red neck 1st calf hfrs bred to Hoft LBW red Angus bulls for late March & April calves.
- 15 blk 2nd calf hfrs bred to Hereford bulls for March-April calves.

For Dec. 22nd & 29th sale results please check our website at MCCLivestock.com

Wishing everyone a Happy, Healthy, & Prosperous New Year!

UPCOMING SPECIAL COW SALE DATES, Wednesdays Starting at 11 A.M.: Jan. 17; Feb. 21; Mar. 14; Apr. 11; May 2
VISIT US ON THE WEB FOR DAILY CONSIGNMENT UPDATES AT WWW.MCCLIVESTOCK.COM

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



Bad Habits

It doesn't take a lot of effort to make the wrong move or cue a horse the wrong way causing them to do something you don't want them to do. On the other hand, it takes a conscious effort to always give the right command for a horse to do exactly what you want. It's easy to do the wrong thing and if you do it fairly often, you'll be creating bad habits in your horse that

will be hard to correct.

They are creatures of habit and we have to make sure to create good habits instead of foster bad ones. You may be unconsciously pecking away at removing trained responses in your horse that took a trainer a lot of work and time to develop.

Whoever started the horse, (and that could very well be you), spent many hours in a breaking pen

teaching the horse to react certain ways when he received specific commands or cues.

The simple command of "Whoa" takes time for the horse to learn to stop when you utter the word. You may accompany the "Whoa" by sitting down deeper in the saddle or maybe even slumping your shoulders to place more weight on his hindquarters to reinforce the verbal command.

Over time, the rider may start neglecting to properly give the command or allow the horse to not respect the word or body movements when you want him to stop. He will become confused and not be quite sure what you are asking. Over time, he'll learn not to pay attention to "Whoa" or the way he was taught to stop. A bad habit is beginning to develop.

Most times, the loose use of "Whoa" by using the word too much for a myriad of other orders for the horse will completely lose its meaning to stop. An example is using the word to stop the horse from snatching a mouthful of grass as you ride along. A

tug on the reins or bit is a more effective way to stop that bad habit.

Saying "Whoa" every time the horse does something you don't like will wear the word out. Only in special instances should you use "Whoa" for anything other than commanding the horse to stop travelling. "Whoa" should command so much importance to a horse that he immediately recognizes it to mean stop. Some horses, if they are bucking, will even quit bucking when you say "Whoa" with emphasis. I said some horses will stop bucking, not all.

A good way to take the importance off the word is to let the horse ignore the command or to take his time performing the stop. And then, when he does stop, he doesn't come to a complete stop and stand still until you cue him to move again.

If you say "Whoa" and the horse simply slows down and keeps walking and you don't immediately correct him and make him stand still, you are creating a bad habit and it will take time to break that habit and have him stop when you say stop and stay stopped. Don't even

let him take one step after stopping. Enforce "Whoa" and you will be happy you did. Then you'll only have to say "Whoa" once.

There are other traps we can fall into and soon have a well-trained horse turn a little sour and take the fine edge off his training like letting a sharp knife gradually become a dull blade.

Neck reining is one of the higher levels of a horse with a good handle. A horse with a good neck rein is always easier to ride. You can ride him with one hand and have the other hand to do other things like roping or waving. We can lose that asset and let the horse become dull and somewhat unresponsive when you lay a rein on his neck if we allow him to ignore that light touch.

If your horse starts to become stiff-necked and doesn't immediately turn when you lay a rein on his neck, you have to take action to insist he turn when he feels that rein. If you let him get away with not responding, he'll only get worse and pretty soon you will have to use more force to turn him. These things happen over time and you may not realize

he is losing that light feel until he just doesn't turn when you neck-rein him. When that happens, make him turn by tipping his nose the way you wanted him to turn and then spank him with a jab of spur or heel in his girth area as a warning that he'd better turn or he'll feel something unpleasant. You only have to do it a few times and then when he feels that light touch of the rein, he'll know he better turn now or else a spur will be waking him up and the bad habit of a stiff neck will soon go away.

Breaking bad habits can be hard if you ignore them for too long. If you give your horse a tune-up every once in a while or when you feel they're not as sharp as they used to be, it will be easier to get them back on the right track. Then your job will be a lot easier and more enjoyable if you're working cattle, trail riding or just riding around for fun. Don't let those bad habits get a start but if they do, correct them before they turn into major problems.

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

785-539-7558

AG PRESS

For Your Printing Needs

- Catalogs
- Sale Flyers
- Magazines
- Newspapers
- Calendars
- Brochures
- Books

Call today and ask for Sandra

Earley Tractor ...established 1968

LEASE RETURN TRACTORS
New Warranty

1997 NH 7740, 3918hrs.....\$28,500	2016 Case Maxxum 125/Ldr, 248hrs\$97,000
1994 Ford 8970, 6550hrs.....\$57,500	2016 Case Puma 150, 248hrs.....\$126,900
1988 Ford 7710, 4146 hrs.....CALL	2016 NH T60165/Ldr, 126hrs.....\$102,500
1975 Ford 7600.....\$7,500	
IH 986, 5176 hrs.....CALL	
1991 Case Magnum 7130, 4727hrs\$62,000	
2003 Case MXM 155.....\$52,500	
2012 Case Farmall 75C.....\$44,000	
2012 Case Maxxum 125, Ldr.....\$77,000	
1991 Case 5140, 4071hrs.....\$29,500	
2013 Case Puma 170, 470hrs.....\$133,000	
2013 Case Magnum 180, 603hrs\$120,000	
2014 Case Magnum 190, 570hrs\$120,000	
2014 JD 5055E, 171hrs.....\$37,500	

COMBINES

2011 NH CR9060.....\$190,000
2008 Case 2020, 35'.....\$28,500
2007 Case 2020H.....\$19,600

HAY

2013 Case RB564.....CALL
2016 Case RB465.....CALL
2007 NH BR780A.....\$24,500
2008 NH BR7090.....\$26,000
2006 Case RBX563.....\$25,500
2005 NH BR780.....\$9,500
2005 Case RBX562.....\$10,500
2013 NH BC5070.....\$19,500

EARLEY TRACTOR • Cameron, MO
816-632-7277 • www.earleytractor.com
Hours: Mon.-Fri. 8-5; Sat.: 8-12

Improved drone technology gives farmers edge in scouting fields

Drones are higher in quality and lower in price than they were just a few years ago when farmers began using them, says University of Missouri Extension natural resources engineer Kent Shannon.

Shannon gave an update on drone technology at MU Extension's annual Crop Management Conference, Dec. 18-19 in Columbia. Shannon has taught farmers and extension educators how to use new technology for 25 years. His work put him on *Successful Farming* magazine's

recent list profiling ten exceptional extension specialists.

Drone technology gives farmers new time- and labor-saving options, Shannon says. With the drone's birds-eye view, row crop farmers can scout for disease, pest and nutrient problems in crops. Livestock producers can check herds, fences and water. Better technology overcomes weather and mobility issues.

Enhanced imaging al-

lows farmers to zoom in on problem areas and respond quickly, he says. This results in better productivity and higher yields.

Shannon gave conference attendees a look at a recently released autonomous drone specially manufactured for agricultural use. The new industrial drone self-charges and self-manages. He also showed drones of varying prices and quality.

Shannon uses drones to scout fields in the MU Extension Strip Trial Program. Through their use, he quickly identified soybean cyst nematode in trial plots as well as other Missouri fields. He also has used drones to evaluate cover crop effectiveness.

Other MU Extension specialists use drones to capture plant infrared wavelength readings in crops. This allows producers to pinpoint nitrogen needs quickly. Producers can compare images from the growing season to yield maps in their nutrient management plans.

Using GPS technology, Shannon programs drones for flight over fields he scouts. In typical collection and processing, the workflow includes setup, flying time, data capturing, and data upload and processing. In a 60-minute flight, the operator can col-

lect three gigabytes of raw data. Traditional image stitching—putting together numerous images into one image—is time-consuming. New software speeds the process and improves quality.

New technology shortens setup, flight, and data collection and management times.

Drawbacks still exist. Batteries drain quickly. Poor or nonexistent internet or cellular coverage in many rural areas still prevents farmers from downloading data in the field. This requires them to return to their home or office to retrieve data.

Shannon says drone operators who are providing their services as part of a business must hold a remote pilot certificate or work under the direct supervision of a pilot with a certificate. To apply for a certificate, a person must pass a test on aeronautical knowledge at an FAA-approved testing center or hold a Part 61 certificate. Individuals must be at least 16 years old and be vetted by the Transportation Security Administration.

The FAA still requires operators to be within line of sight of the drone. Pilots can fly only in daylight in limited airspace of no higher than 400 feet. Groundspeed of the drone must be under 100 mph.

We specialize in Trucks and Sport U's!

MILLER MOTORS

785-584-5850

OPEN Monday thru Saturday: 9 AM-6 PM

"NOW AVAILABLE!" New Flatbeds & Trailers
Visit our website: www.millermotors.biz

DODGE RAM 3500 4X4 \$17,988 4 Dr., 5.9 Cummins Turbo Diesel	CHEVY SILVERADO 2500 HD \$10,988 6.6 Duramax, Allison AT	CHEVY SILVERADO 2500 HD 4X4 \$6,995 Reg Cab, 6.0 Vortec, AT
GMC SIERRA 2500 HD 4X4 \$14,995 6.0 Vortec LB	CHEVY SILVERADO 2500 HD 4X4 \$11,988 6.0 Vortec, LB	CHEVY SILVERADO 2500 HD 4X4 \$6,995 Reg Cab, 6.0, AT
CHEVY SILVERADO 2500 HD \$12,995 Cab & Chassis, 6.0 Vortec, 4x4	CHEVY SILVERADO 2500HD 4X4 \$10,998 Reg Cab w/bale bed!	CHEVY SILVERADO 2500HD 4X4 \$10,998 Reg cab, 6.6 Vortec, Nice!
CHEVY SILVERADO 3500 HD 4X4 \$16,995 6.6 Duramax Diesel LB	CHEVY SILVERADO HD 4X4 \$10,988 6.0 Vortec, LB	CHEVY SILVERADO 2500 HD \$14,995 * \$9,995 6.0, AT, loaded, only 130k miles!
DODGE RAM MEGA CAB SLT \$14,988 AT, Loaded	GMC SIERRA CREW CAB 4X4 \$18,988 6.6 Duramax	GMC SIERRA 2500 HD QUAD CAB \$4,995 4x4, 8.1, SLT, 6.0 Vortec
2003 FORD F250 4X4 CREW CAB \$14,995 7.3 Powerstroke diesel leather	DODGE RAM 2500 4X4 SLT \$14,988 4 Dr., 5.9 Cummins Turbo, diesel	<p>NO REASONABLE OFFERS REFUSED!</p> <p>"MANY DIESELS IN STOCK"</p>

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

Right at Home on the Range

Universal Panel Carriers
Holds different size panels.

Portable Corrals
Turn any remote area into easy working conditions.

Topeka Farm Show Booth #21

Half Circles
with Double Gate Sweep.

Winkel
Glen Elder, KS 67446-9717
Call for your nearest dealer
785.545.3606 • 800.466.3606 • www.winkelimg.com

EPA proposes grain sorghum oil pathway

Washington, D.C. — The Environmental Protection Agency issued a Proposed Rule in the Federal Register recently on the life-cycle greenhouse gas (GHG) emissions associated with biofuels that are produced from grain sorghum oil extracted at dry-mill ethanol plants.

EPA is seeking comment for 30 days on its proposed assessment that using distillers sorghum oil as a feedstock results in no significant agricultural sector GHG emissions. Through EPA analysis, biodiesel produced from distillers sorghum meets the lifecycle GHG emissions reduction threshold of 50 percent required for advanced biofuels, and biomass-based diesel under the Renewable Fuel Standard program.

“After almost four years of work by National Sor-

ghum Producers industry partners and staff, we are excited to see this proposed rule in the Federal Register, putting us one step closer to sorghum oil filling biodiesel production needs,” said John Duff, NSP strategic business director. “This is significant positive news for sorghum producers and ethanol plants in the Sorghum Belt as it provides more opportunities and better returns producing ethanol from sorghum.”

The proposed rule is a result of a petition filed by NSP and extensive work with the EPA providing data and analysis during the rule-making process. A pathway approval will allow the production of biodiesel and heating oil from distillers sorghum oil, and renewable diesel, jet fuel, heating oil, naphtha, and liquefied petroleum gas (LPG) produced from distillers sorghum

oil.

“This news is much anticipated, and we sincerely appreciate the help of our renewable energy partners, ethanol plants and producer leaders,” NSP CEO Tim Lust said. “We are also grateful for all the congressional leaders who signed a supporting letter and Senator Jerry Moran, Congressman Roger Marshall and Congressman Jodey Arrington who made calls to the EPA supporting the pathway, as well.”

NSP represents U.S. sorghum producers and serves as the voice of the sorghum industry coast to coast through legislative representation, regulatory representation and education. To learn more about NSP, visit www.sorghumgrowers.com.

Farm leasing strategies informational meeting planned January 18

Have you been wondering if your leasing arrangements are the best for your cropping enterprises especially with the commodity prices and input costs? To address these questions and to help landlords and tenants, on Thursday, January 18, the Post Rock District with K-State Research and Extension will host an informational meeting on Farm Leasing Strategies starting at 10:00 a.m. at the First Christian Church in Beloit. The meeting will conclude with lunch at 12:30 p.m.

The program will focus on all aspects of agricultural leasing including topics: Land values and trends along with leasing arrangement strategies. The results of the 2017 Post Rock District Lease Survey will also be presented. Featured speakers are K-State Research and Extension Ag Economist, Dr. Mykel Taylor along with Barrett Simon and Sandra L. Wick, Post Rock Extension agents.

Lunch, with sponsor The Guaranty State Bank and Trust Company, will be served at noon. There is no cost for the program, but pre-registration is requested by Friday, January 12 either online at www.postrock.ksu.edu or at any of the Post Rock District Offices in Beloit, Lincoln, Mankato, Osborne or Smith Center. A minimum of ten registered participants is required to hold the meeting.

All interested producers, landlords and tenants are encouraged to attend.

Time of feeding influences time of calving

By Keith Martin, Livestock and Forage Agent, Wildcat Extension District

A majority of beef calf mortality occurs within the first two months of life. Supervision of first calf heifers and cows that need assistance is a proven method to increase calf survival. In most operations, observing birth is more easily done during daylight hours.

The time of day of calving is thought to be influenced by a combination of many variables. These factors would include the time of day that feed is provided, physical activity, daily rhythmic hormonal secretion, ambient temperature and day length. Time of day of feeding is the variable most easily changed by management.

The explanation of why time of feeding can affect time of calving is not known at this point. Research has observed that contractions of the rumen and body temperature of

the cow or heifer both decline prior to birth. Maybe there is an interaction between these factors and time of feeding, or maybe not.

Numerous studies have been conducted which support feeding in the evening to increase births during daylight hours. An Iowa study of over 1,300 cows on 15 farms, found that feeding once a day at dusk resulted in 85 percent of the calves being born between 6 a.m. and 6 p.m. A study conducted in Great Britain involving 162 cows on four farms indicated that cattle fed at 9 a.m. calved during the daytime hours 57 percent of the time compared to 79 percent calving during the daytime hours when fed at 10 p.m.

A comparison of two spring calving research herds in Kansas and Idaho confirms previous work and provides some interesting insight. Cows were checked every two hours

and all birth times were recorded; those births that could not be estimated to within one hour were removed from the data. There were 1,210 observed births from 256 different cows during the 15 years of the Idaho study and 537 observations from 201 different cows during the five years of the study conducted at Hays. Calving season began in the third or fourth week in January and concluded either the second or fourth week in April depending on the location.

Time of feeding in the Idaho herd was between 6 a.m. and 8 a.m., while the feeding time in the Hays herd was between 4 p.m. and 6 p.m. Fifty-three percent of the over 1,200 calves in Idaho were born between 6 a.m. and 6 p.m., when cows were fed between 6 a.m. and 8 a.m.

In contrast, 86 percent of the over 500 births in the Hays herd occurred between 6 a.m. and 6 p.m.

when cattle were fed between 4 p.m. and 6 p.m.

Since this was a long term study, calving data of replacements was compared to their dam. There was a tendency for daughters to calve close to the same time as their dam.

Cumulatively, the results of these and other studies suggest that at the very least first calf heifers should be fed at dusk to increase the chance they will calve during daylight hours so that assistance can be provided if needed. Time of feeding will also influence the calving time of cows as well, but as a rule cows should require less assistance than heifers. The changes in feeding time need to occur about two weeks prior to calving time for the changes to take effect.

For more information, contact, Keith Martin, Livestock and Forage agent, rkmartin@ksu.edu 620-784-5337.

Determining if genetic testing is right for your operation

By Katelyn Brockus, DEA, River Valley Extension District

The two words, genetic testing, can be quite intimidating to some producers and can sound like a critically used decision-making tool for others. So many questions come along with genetic testing that sometimes a producer just doesn't know where to start. After spending some time in Cheyenne, Wyoming at the Range Beef Cow Symposium, it was clear that cattle producers have begun using this technology in their herds.

Today, I am going to visit with you as a producer on what I learned at the Range Beef Cow Symposium on potential uses for genetic testing on your operation.

Many people spoke at the conference over the topic, but Troy Hadrick, managing partner in Hadrick Enterprises from Faulkton, South Dakota, had an interesting way of incorporating this new technology into his operation. Previously, he had the typical management style for an Angus based cow herd.

The plan was to back-

ground their calves and sell at a local sale barn with the goal of producing the most pounds as possible at that point. However, Troy wasn't happy with competing in the marketplace on an equal playing field. He wanted to incorporate something into his management practice that would make his cattle more marketable and demand a premium.

As Troy was searching for options, he decided to start utilizing retained ownership with his cattle. With this switch in management practice, he has to rethink vaccination protocols, seek out a feedlot relationship, zone in on risk management, and decide on a grid that best fit his cattle. Mr. Hadrick also incorporated AI'ing into his whole herd instead of just his replacement heifers. This would allow him to produce more calves to best fit his new goals, which were to tighten the calving season and create a more uniform set of cattle.

Troy finally had his first set of AI cattle on the ground and his first set of carcass data. He re-

ceived carcass data back and 89% went Choice or better and 32% were CAB with no Primes. At this point, Mr. Hadrick knew that he had some genetic work that needed to be done. He did genetic testing on a new set of calves using another sire, and he was able to utilize those numbers moving forward in retaining ownership on those calves. These genetic tests showed one sire group ten points above the other. Those steers that were sired by the bull that genetically tested ten points above the other resulted in 23% Prime, 55% CAB and 100% Choice or better. With grid premiums included, those higher genetic scoring steers brought back an extra \$60 per head compared to the lower genetic scoring steers.

There are obviously many more factors that went into Troy making the decisions that he did based off of genetic testing. There are also numerous different tests available with various prices depending on the traits that you would like to test for. It is important to un-

derstand that genetic testing is not for everyone. There is a lot of value in phenotypic traits for both breeding females and bull selection. This is something that cannot be forgotten as our cattle herds would struggle based off of longevity, fertility, and many other traits if this was forgotten or not considered.

With that said, the question is does genetic testing make sense for your cattle herd? This is the question that producers have to sit down and analyze. The process has to start with what are your operations goals? Are you a commercial operation? Are you a seedstock operation? Are you looking to retain replacement heifers? Are you looking for a retained ownership program? You must consider commodity prices and consider the future when making these management decisions. While genetic testing has its place in the industry, does it have a place on your operation? If the answer is yes, then look into the possibilities of receiving premiums on

your cattle based off of using genetic tools. If the answer is no, then there are many different tools available that can assist you with making the best management decisions for your operation. I would be happy to assist you with further questions regarding genetic testing at 785-325-2121 or kbrockus@ksu.

grass&grain
785-539-7558



GSI
GRAIN BINS
ALL SIZES AVAILABLE
Hopper Bins Available
FINANCING AVAILABLE
Harder AG PRODUCTS
West Highway 50
PEABODY, KANSAS 66866
Phone 620-983-2158
www.grainbinsusa.com

Feeders PLUS LLC

HAY FEEDERS AND BUNKS

Calvin D. Wiebe
(620) 242-6410 cell
(620) 732-2143 home
calvin@feedersplusllc.com



See all our products at: www.feedersplusllc.com

5-S Livestock	Selden	785-386-8075
Tyler Kasl	Belleville	785-527-0753
Dan Brooks	Wamego	785-458-9504
Farmers & Ranchers Livestock	Salina	785-825-0211
Flint Hills Welding	Alta Vista	785-499-6469
Greg Vering	Marysville	785-562-7164
Midwest Farm & Dairy	Hutchinson	877-221-7221
Tim Deters	Baileyville	785-294-0523



kansasAGreport

Your source for Kansas Ag News on television

Sunday Mornings
@ 6:30 am

www.kansasagreport.com



HERINGTON LIVESTOCK COMMISSION CO.

CATTLE SALE EVERY WEDNESDAY: 11:30 AM

SELL HOGS 1ST & 3RD

WEDNESDAY OF EVERY MONTH

12/27/17



STEERS

Hope, 62 mix	911@144.50
Lincolnvill, 58 blk	905@144.35
Hillsboro, 58 mix	903@144.00



HEIFERS

Herington, 60 blk	863@140.50	Marion, 11 blk	660@140.75
Florence, 58 mix	966@136.00	Hope, 65 blk	871@133.85
Tampa, 2 blk	1000@110.00		

CONSIGNMENTS FOR JANUARY 3:

• 40 blk strs, 2 rds shots, homeraised, long time weaned, 850 lbs	implants 700-800 lbs
• 27 blk hfrs homeraised, long time weaned, 2 rds shots, 800 lbs	• 60 mostly blk strs 900 lbs
• 120 mostly blk strs 9-925 lbs	• 60 mostly blk strs 825 lbs
• 90 red rwf hfrs homeraised, 75 days weaned, 2 rds shots, GTD open, no	• 62 mostly blk strs 875 lbs
	• 60 blk strs 925 lbs

MORE CATTLE BY SALE TIME!

CLAY TOEWS- Sheep/Goat Sale Mgr. • 620-747-0843

CAFE UNDER NEW MANAGEMENT: Cattleman's Cafe, Deb- Manager

Cafe hours: Wednesday- Opens at 7 a.m. • Thurs.-Fri.: 7 a.m.-2 p.m.
The Last Saturday- Steak Night! Surf & Turf, open 5-9 p.m.

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

View Our Auction Live at LMAAUCTIONS.COM

KFRM AM 550, Every Wed., 8:00 a.m. • Barn Phone 785-258-2205
www.HeringtonLivestock.com

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

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

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.

Name: _____ Phone #: _____

Address: _____ City: _____ State: _____ Zip: _____

WRITE YOUR AD HERE



RATES AND DISCOUNTS

FIGURE YOUR COST HERE:

RATE: 65¢ a word.

Number of words: _____ @ 65¢ each

Cost for one week: _____

Multiply one-week cost times number of weeks you want ad to run.

Run ad _____ **consecutive weeks.**

Category: _____

Cost for _____ **weeks:** _____

DISCOUNTS: (with cash or credit card orders only)
deduct 10% if ad runs 2 or 3 weeks;
deduct 25% if ad runs 4 weeks.

Less discounts: _____

TOTAL: \$ _____

PAY WITH (PLEASE CIRCLE ONE):

CHECK MASTERCARD VISA DISCOVER

Card No. _____ **Exp. Date** _____

V-Code _____ **(required) last 3 digits (see sample: 567) located on the back of your credit card on the signature panel.**

AUTHORIZED SIGNATURE
1234 567
NOT VALID UNLESS SIGNED

Signature: _____

REMINDERS

- Please notify us of any errors at once. We cannot be responsible beyond the first insertion.
- **NO REFUNDS!**
- **BY PHONE:** Ads not accompanied by payment have \$1.00 billing charge added, and discounts are not available.



Four Ways To Place Your Ad

CALL: 877-537-3816 TOLL-FREE OR 785-539-7558

MAIL TO: AG PRESS, Box 1009, Manhattan, Kansas 66505

FAX: 785-539-2679

ONLINE: www.grassandgrain.com



CATTLE

10 FIRST CALF PUREBRED
Angus Spring calving heifers.
\$1,350/head. 620-596-2813

2 SEVEN YEAR OLD BRED
Angus cows. \$1200 per cow.
Call 316-772-8341. Good ud-
ders and bred to an Angus bull.

30th Annual LYONS RANCH SALE

110 REG. ANGUS BULLS
18 months old,
DNA enhanced EPDs,
semen checked,
fully guaranteed



Lyons Ranch

**MONDAY,
MARCH 5th
12:30 P.M. at the ranch
Manhattan, Kansas**

For catalog and videos
Go to:
www.LyonsRanch.com
Or Call:

Karl & Amy Langvardt
785-499-2945
Jan & Frank Lyons
785-532-8500



15 ANGUS BULLS
For Sale by Private Treaty

Featured Sires:
Hoover Dam, Thunder,
Bullseye, & Hero

Performance Tested; Fertility
Tested; Fully Guaranteed;

20+ months old; Tested BVD-
PI & Trich free

Free Delivery in KS & NE.
Volume Discounts

**See Performance Data &
Price List at:**
www.WolfCreekAngus.com
LURAY, KANSAS
785-698-2225

Registered Angus Bulls

18-20 month old

**Sired by Connealy Union, Consensus,
In Focus4925, Basin Excitement, &
Final Answer.
Fall Yearlings Sired by 10 Gauge &
Tour of Duty**

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

Also selling young Angus Fall pairs & bred heifers

Priced to sell!

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



CATTLE

42 BIG ANGUS, ANGUS cross
Springer cows, 3 calves on
ground, \$950/head. 316-5794-
2609

CARSWELL-NICHOLS
• HEREFORDS •
FIFTH ANNUAL PRODUCTION SALE
SATURDAY, JANUARY 27, 2018 • 1 PM
AT THE RANCH NEAR ALTON, KS
(355 S. 230TH AVE.)
SELLING
• 80 TWO-YEAR-OLD, 18-MONTH-OLD
& YEARLING HEREFORD BULLS
• 20 REGISTERED HEIFERS
• 225 HEREFORD, BLACK BALDIE,
RED BALDIE & ANGUS COMM. BRED
& OPEN HEIFERS



Brock Nichols
(785) 346-6096
Jim Nichols
(785) 476-5842
brocknichols@yahoo.com
www.carswell-nicholsherefords.com

THREE CALVING EASE
polled Hereford bulls. Two 22
and one 14 months old. \$1700
each. Free delivery. Kanza
Cattle, Chapman. 785-313-
6565.

**7th Annual
Production
Sale**

Wed., March 21, 6 PM
Overbrook Livestock Comm.
• 50 Angus Bulls yrld & aged
• 70 Reg. & Commercial
Open Yearling Heifers
• **Approx. 30 young pairs**
Howard Woodbury
785-453-2492 785-241-0515
John Woodbury
785-453-2223 785-229-2557
www.woodburyfarmskansas.com

SUPER SET OF 35 BLACK
bred heifers. All home raised
with good disposition. Will
make excellent cows as they
have in the past. Everything
done right, start calving Febru-
ary 15. Asking \$1,850/hd OBO.
785-548-5720.

CATTLE

**ANGUS &
SIMMENTAL-ANGUS
BULLS**



- Priced for the Commercial
Cattleman
- Yearlings & 2 yr. olds with
calving ease & growth
- Excellent Selection with Vol-
ume Discounts
- Performance Data Available
- Good Maternal Traits

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



ANGUS BULLS
Yearling to 2 year olds
Performance Data Available
Good Maternal Traits
Fertility Tested
Continuously raising Angus
cattle for 67 years.

Vering Angus
Greg Vering
Marysville, KS
785-562-7164 Cell
785-562-3988 Home



**Angus Bulls
For Sale**

- Excellent selection of two-
year-old Angus bulls avail-
able this Fall
- **Your Private Treaty**
Headquarters. Over 20
years experience in Private
Treaty & Sight-Unseen Sales.
- Our goal is to get the right
bull to the right herd every
time.
- Videos, data, and catalog
available on our website
- It's time to come home to...**

**HARMS
PLAINVIEW
RANCH**

Mark & Kim Harms
2528 250th Street
Lincolnville, KS 66858
Email: hprbulls@tctelco.net
www.HARMSRANCH.com
620-924-5544
Mark Cell:
620-382-6388
Kim's Cell:
620-382-5373

FOR SALE: 70 BLACK Angus
bred heifers. Big, deep ribbed,
long. 1150-1200lbs. Will calve
between February 10 and April
20 to registered Angus heifer
bulls. \$1,825 OBO. Abilene.
785-479-0126.

CATTLE

ANGUS FALL BULLS
75 head to Select From
Plus 8 Sim-Angus Bulls
20 coming 2-year old bulls
**This is a stout set of
artificially sired bulls, with
over 20 years of artificially
breeding.**

Semen checked, ready to go

Nelson Angus
Raymond & Alan & Mike
Nelson
Riley, KS
785-485-2378
Alan's Cell: 785-770-7054
Mike's Cell: 785-565-8477

**Bull & Female Sale
SAT., MARCH 10
2018**



**MILL BRAE
RANCH**
Mark Nikkel,
Managing Partner
Maple Hill, Kansas
785-256-4327
millbraeranch.com

BUSS ANGUS
Angus Bulls
14 to 20 Months Old
Featured Sires:

Thunder
Consensus 7229
Angus Valley
Pioneer
Wisdom
Thunderbird
Net Worth
Image Maker
**SEVERAL SETS OF FULL
BROTHERS**

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

FOR SALE: 20 Commercial
Spring bred heifers. Will start
calving March 3rd 2018. DD
Angus, Seneca, KS. 785-294-
1511

GRAHAM SCHOOL
Graham School for cattle-
men and women. We special-
ize in teaching pregnancy
check, artificial insemination,
herd health, calf delivery and
many other subjects.

DATES FOR 2018
January 15-19
February 5-9
No March Classes!
April 9-13
May 7-11
June 11-15



For more information,
call or write:
Dept. GG, Graham School
641 West Hwy. 31
Garnett, KS 66032
785-448-3119
www.grahamschoolforcattlemen.com

CLASSIFICATIONS

CATTLE	GOAT
SWINE	SHEEP
HORSES	POULTRY
FERTILIZER	TRAILERS
FEED & SEED	MACHINERY
AUTOMOTIVE	EMPLOYMENT
REAL ESTATE	ANTIQUES
SERVICES	PASTURE
IRRIGATION	WANTED
HARVESTING	PETS
LIVESTOCK OTHER	
LIVESTOCK EQUIPMENT	
BUILDINGS-BUILDING MATERIALS	
BINS - DRYERS - VACS	
MOBILE HOMES	
SPRAY EQUIPMENT	
BUSINESS OPPORTUNITIES	
WELDING	
MISCELLANEOUS	

CATTLE

6 TWO YEAR OLD Limousin
heifers, 5 yearling Limousin
heifers. 620-585-2271.

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

SWINE



TOP QUALITY HAMP BOARS
AVAILABLE YEAR AROUND
GALEN & ROBERTA HARMS
Whitewater, KS 316-799-2382

BOARS & GILTS
Duroc, Chester, York,
Hamp, & Hamp/Duroc
**SLEICHTER
DUROC FARM**
ABILENE, KS
785-263-1898-785-479-6694

**SWINE
EQUIPMENT**
Buildings — Ventilation
Flooring — Feeders
Waterers — Heaters
Crates — Nursery Equip.

**K & N
Swine Systems**
RICK HENRY
785-336-2130
SENECA, KANSAS

HORSES

BUYER FOR ALL TYPES OF
horses and tack or trailers.
785-556-5740.

**Grass & Grain wants
YOU**



To stay up to date on
all the current
Agriculture News!

In-State:

1 yr: \$41+applicable sales tax
2 yrs: \$76+applicable sales tax
3 yrs: \$105+applicable sales tax

Out-of-State:

1 yr: \$51
2 yrs: \$95
3 yrs: \$132

*Want the paper sooner?
Ask about our 1st class option!
Online edition comes free with paid
mail subscription; must have email.
Ask about online only rates!*

**Don't miss out,
Subscribe today!**
877-537-3816

**POLLED
HEREFORD
BULLS**
*Bred for Complete
Performance*
• Growth
• Muscle
• Maternal
• Disposition

*Fertility Tested and
Guaranteed*

DETTKE FARMS
Call:
ANDY DETTKE
Marysville, KS
785-268-0423
785-562-6257 Brian

HEREFORD BULLS



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

Oleen Cattle Co.
Falun, KS

GLENN CHUCK
785-668-2368 785-668-2454

JENSEN BROS.
Hereford Bull Sale



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

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

**ON TARGET
BULL SALE**

HEREFORD • ANGUS

March 17 • 1 p.m.
Marshall Co. Fairgrounds,
Blue Rapids, KS

Broadcasted online at
DVAuction.com

Offering will include
30 yearling & five
18 mo. old Hereford bulls,
28 yearling Angus bulls,
and 10 Angus heifers

Learn more at
OnTargetBullSale.com

Springhill Herefords
Dave Stump
785-556-0124

Alcove Cattle Co.
Ken Duensing
785-268-0898

GRASS & GRAIN DIRECTORY

Blue Valley Drilling, Inc.
Water Well Drilling & Service
Family Business Over 70 Years!
CONTACT ERIC STRADER
785-363-7353

All work done by Cattlemen
for Cattlemen!

**Cattleman's
Livestock Services**
Fence Building & Repair
• Corral Building
• Pasture Clearing
• Bulldozer, Backhoe Services
• Livestock Care
• Water Lines Installed
• Barn Building
See you at Domer Arena Booth 8
at the **TOPEKA FARM SHOW**
785-214-9532

YOUR AD COULD BE HERE!
Grass & Grain • 785-539-7558

**D. ROCHE
FENCING
INC.**

QUALITY BUILT FENCES
DON ROCHE
785-292-4271
FRANKFORT, KS

**HALDEMAN
WELL DRILLING &
PUMP SERVICE**
785-539-9295
MANHATTAN, KS

Custom Manure
Hauling & Spreading
Big to Small Jobs!
Chore-Boyz Services
913-636-1099

AUCTIONEERS

GAVEL ROADS
ONLINE AUCTIONS

**GAVEL ROADS
IS THE PLACE TO GO
TO BUY AND SELL
EQUIPMENT.**

316.425.7732
www.gavelroads.com
READY ... SET ... SOLD!

ARMSBID.COM
Kull's Old Town
Station invites
consignments for
our Spring, Summer
& Fall Auctions. If you have
1 or 1,000, we'd like to talk to you.
*We will also buy collections or
individual guns.*
Dan@ArmsBid.com or
785-862-8800 • 800-466-5516
Topeka, Kansas

**GENE
FRANCIS
& ASSOCIATES**
REAL ESTATE BROKERS & AUCTIONEERS

*Serving all 105 Kansas
counties with more than
30 years of experience.*

Offices located in Wichita,
Manhattan & Anthony.
Call us today at
316.524.8345
www.genefrancis.com
A bid above the rest!

**purple wave
auction®**

BUY & SELL
Ag Equipment
Const. Equipment
& Vehicles
1.866.608.9283
purplewave.com

**GANNON REAL ESTATE
& AUCTIONS**
VERN GANNON, CAI
Broker/Auctioneer
Manhattan, Kansas 66502
785-539-2316
785-537-9003
www.gannonauctions.com
The Experienced Sound In Selling

FEED & SEED

**DAMAGED GRAIN
WANTED STATEWIDE**
We buy damaged grain,
any condition-wet or dry-
including damaged silo corn.
TOP DOLLAR!
We have vacs and trucks.
CALL HEIDI OR GARTON
**NORTHERN AG
SERVICE, INC.**
800-205-5751

FEYH FARM SEED CO
Alma, Kansas
Native Grass Seed
Wildflowers
Smooth Brome Grass
Erosion Control Products
Cover Crop Seed
866-765-3415
nativeseed@feyhfarmseed.com
www.FeyhFarmSeed.com

QUALITY SEED...
EVERY TIME!

**STAR
SEED INC.**

CALL TODAY FOR OUR
FALL PRODUCT LINEUP!

ALFALA • WHEAT • COVER CROPS

1-800-782-7311
www.gostarseed.com

SMALL SQUARE BALES
straw. \$3. 620-465-2655, leave
message.

**WANTED
DAMAGED
GRAIN**
We pay top dollar for
damaged grain. Trucks and
vac's available. Immediate
response anywhere.
**Pruess
Elevator, Inc**
1-800-828-6642

3X3X8 PRAIRIE HAY, stored
inside. \$95/ton, delivery avail-
able. 785-249-3303.

ALFALFA WANTED 620-253-
2661.

BROME 60LB SMALL square
at \$5.50/bale, small square
straw \$4/bale. North of St.
Marys. 785-437-6637.

Cattle & Hog Feed
WHEAT MIDDINGS
Pelletized, crude protein not
less than 14.5%. Call for pric-
ing.
WESTERN STAR MILL
Division of ADM - Salina, KS
1-800-649-1541 (Kansas)

CORN STALKS. 3X4 BALES.
785-479-0035

LARGE ROUND BALES
brome hay. Very nice quality,
1300 lbs, \$52/ea. 785-364-
6623.

PASTURE

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

WANTED TO RENT FOR
2018-2023: 60 to 120 acres of
pasture N, NE, E, or SE of
Manhattan within 25 miles. Re-
quire good fences, good water,
catch pen, and clean pasture.
Will pay above average rent
price. Michael at 785-779-2977
or mdikeman@ksu.edu.

AUTOMOTIVE

Chuck Henry Sales
Trucks - Trailers
Containers
Solomon, KS
785-655-9430
www.chuckhenry.com

AUTOMOTIVE

**MIDWAY MOTORS
SUPER CENTER**
McPherson, KS

Hutchinson, Kansas
Hillsboro, Kansas

2011 Chevy Silverado 2500
HD LTZ crew, 4x4, loaded,
6.6 diesel, auto, 71k mi
2013 GMC 2500 HD crew,
4x4, Denali, diesel, Auto,
loaded, nice, 22k mi
2013 Ford F250 crew 4x4,
King Ranch diesel, auto,
loaded, nice, 61k mi
2014 Ram 2500 Mega Cab
4x4 Longhorn, diesel, auto,
loaded, 96k mi
2016 Ram 1500 crew SLT,
4x4, 5.7 V8, auto, very
clean, 15k mi
2014 Ford F150 crew 4x4
Lariat, 5.0 V8 Auto, loaded,
one owner, 59k mi

Ask for Kris Hanschu
khanschu@
midwaymotors.com
620-755-2824

PETERBILT 2004 -379-
550HP Cummins. Near new
tires, excellent condition.
\$38,000. 785-985-3605 or 816-
387-6091.



2008 Ford F350, diesel, with
Kelly Ryan 5 x 10 feed wagon
with scales. \$33,500
Several Daycabs available
Feed Mixers and
Manure Spreaders
Kuhn Knight, new & used
Belleville, KS
800-536-2293



2012 CHEVY EXT. CAB 4X4
gas motor, new Krogmann bale
bed, 81,000 miles. \$32,000.
Has many extras, one of the
nicest feed trucks you will find.
785-275-2908.

Don't Get Sideways With Your Advertising Dollars!
Remember GRASS & GRAIN
for All Your Advertising Needs

REAL ESTATE

FARM & RANCH

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

Homes For Sale
Saline Co.- 12.5 Acres m/l 2
Story farmhouse with 4 bed-
rooms & finished basement.
Fenced pasture. Chris 493-
2476
Saline Co.- 2.7 Acres m/l. 2
Story Home. Almost everyth-
ing replaced in home in 2005.
54x99 Morton Building. Chris
493-2476
Saline Co.- 5 Acres m/l. High
Quality Newer Home with 5
Bedrooms. 3 Car Garage.
Close to Stocked Pond. Am-
ber 820-7472
Saline Co.- 4.76 Acres m/l.
Incredible Limestone Home
with Historic Marker built in
1871 with an award winning
Historical Renovation by
Medina Construction in 1991.
Laura 822-2438
Ottawa Co.- 3.2 Acres m/l.
One of a Kind home. 1415
Sq. Ft. Barn & Corral. Amber
820-7472
Ottawa Co.- 12.2 Acres m/l.
Over 4000 Sq Ft. of Home
w/walkout basement. 4 Car
oversized garage. Very se-
cluded. Steve 342-9138
Farm & Ranch Division Of:

**COLDWELL
BANKER®**

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

FOR RENT
OAKHILL ESTATES
LUXURY
1 & 2 BDRM APTS.
Private Balconies & Patios
Woodburning Fireplace
Ceiling Fans
Gas Heat/AC
Exclusive area in Wamego
1-888-537-9064

REAL ESTATE

MORRIS COUNTY

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

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

160 Ac Wab. Co.
farm North of Paxico
160 acres with 97 acres crop
ground, 52 acres pasture with
pond, 5 acre farmstead area
with usable farm buildings
including a steel slant w/
machine shed that is 40' X 60'
for \$371,000.

80 Acres Jackson Co.
Upland farm with conservation
work in place with general
good fences & established
waterways. Crop ground soils
are approx 91% Class I
Martin City clay loam with 3 to
7% slopes & 7% Class III
Lawrence clay loam with 4 to
8% slopes. Tenant indicated
2017 corn was planted late
and yielded 90 bu per acre.
Soybeans have a proven yield
of approx 32 bu per acre.
\$249,900.

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

**Grass & Grain wants
YOU**



**To get the best
advertising for
your buck!**

Classified Liners:
\$0.65 per word
Prepaid: 10% discount 2-3 weeks,
25% discount 4+ weeks
Classified Display Ads:
\$10 per column inch
Add logos/photos for free!
*No discounts for billed or display
ads. Refunds not available for
prepaid ads after 1st run.*

Call today!
877-537-3816

LIVESTOCK

LIVESTOCK

Turner Ranches

Prairie Performance Bison Auction

Saturday, January 6, 2018 • 6:00 p.m. MST
Rushmore Plaza Holiday Inn, Rapid City, SD

Offering 175 Head of Bison from 5 Ranches in 4 States!

- (60) 2016 Yearling Heifers
- (100) 2015 Two Year Old
Bred Heifers
- (5) 2016 Yellowstone Genetics
Breeding Bulls
- (5) 2015 Yellowstone Genetics
Breeding Bulls
- (5) 2014 Yellowstone Genetics
Breeding Bulls



This is a live public auction with live simulcast bidding
available at **www.bradeenauction.hibid.com**.
Animals will be sold by photo/video.

See **www.turnerbisonexchange.com** for video, photos and
information about the participating ranches and the Turner
Ranches program. Contact information, viewing appointment
dates and pickup dates are also available on this website.

ACCOMMODATIONS:

Rushmore Plaza Holiday Inn, 505 North 5th Street, Rapid City,
South Dakota 57701. To make reservations, call 605-348-4000.
Ask for Turner Enterprises room block for discount – \$79 per
room plus tax per night.

Auctioneer's Note: This is a rare opportunity to purchase top
quality bison from North America's largest privately held bison
herd. These bison were hand selected by the participating
ranches from Turner Ranches 50,000+ animal herd, their first
public offering ever. Make plans to attend this exciting event or
bid online!

For auction details, photos, videos and to register to bid,
visit **www.bradeenauction.hibid.com**.

For more information,
contact auctioneers :

Jud Seaman at 605-390-1419
or Ron Bradeen at 605-673-2629

BRADEEN
REAL ESTATE & AUCTIONS
605-673-2629

LIVESTOCK EQUIPMENT

- 4.5" Pipe \$4.00
- 2 7/8" Pipe \$1.90
- 2 3/8" Pipe \$0.95
- 1 1/4" Pipe \$0.45

WILL DELIVER
POST CUT TO ORDER
Quantity Discount

Ray's Pipe
Council Grove, Kansas
620-767-2907



Making tough jobs easier
Luco Mfg. Co

- HYDRAULIC CHUTES
- WORKING CIRCLES
- CAKE FEEDERS
- CONTINUOUS FENCING
- PANELS & GATES

See us at **www.lucoinc.com**
Or call toll free:
1-888-816-6707
PO Box 385
Strong City, KS 66869

LIVESTOCK EQUIPMENT



Portable Corral **785-263-3436**
Introducing our New Rawhide
Processor by John McDonald
Used Rawhides for sale also
www.rawhideportablecorral.com

FENCING: WELDED PIPE
fence, pipe gates, barbed/
woven wire, horse/pole barns.
Yordy Const. LLC. 785-477-
3079.

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

Tire livestock water tanks
from Earth Movers.
endurobrandlivestock.com
785-231-8397



Lewis Ford Lincoln of Dodge City

200 Military Dodge City, KS 67801

Call Ken Funk: 620-253-5546



2015 F350 4x4 crew cab

25,210 miles, 6.7 diesel automatic,
one owner, super clean!

\$41,988

HORIZON
FARM & RANCH REALTY, LLC

For more info visit our website or contact one of our agents!
1-888-825-1199
www.horizonfarmranch.com
AG LAND

NEW LISTING! 863 Hwy 15, S of Abilene. Fabulous 4 bd, 3 bath home on 21
Ac +/- w/horse barn and a large shop. Call Brad!

NEW LISTING! 70 Ac +/- pasture w/4 acre pond. S of Tescott. Call Ray!

NEW PRICE! 160 Ac +/- w/2000 hd feedyard, set up right and ready to sell.

NEW PRICE! 160 Ac +/- Upland irrigated tillable @ Lindsborg. Call Brad!

NEW PRICE! Nice country home on 10 Ac +/- @ Lindsborg! Call Brad!

* 366 Ac +/- Farm w/irrigated river bottom tillable at Lindsborg. Call Brad!

* 100 Ac +/- Rain Rd/ 18 Hwy. CRP, excellent return or bldg site! Call Brad!

* 20 Ac +/- with nice shop and pens just N of Enterprise along I-70. Call Brad!

* **NEW LISTING!** 4 bed, 3.5 bath log home, stone fireplace w/awesome view
and new shop on 16 Ac +/- or add in another 64 Ac +/-!! Perfect for Christmas!
Call Brad!

* 160 Ac +/- NE of Abilene on 15 Hwy. Tillable/Pasture combo with nice home
on Mud Creek. Buy with or without home.

* 80 Ac +/- CRP just west of Abbyville. Call Ray!

* 80 Ac +/- just S of Lincoln, tillable and CRP. Call Ray!

* 140 Ac +/- Tillable/pasture combo just SE of Enterprise. Call Ty!

* 160 Ac +/- Creek bottom till/great hunting @ 81 Hwy/24 Hwy. Call Ray!

* 31 Ac +/- tillable 81 Hwy/24 Hwy. Good hunting, bldg site! Call Ray!

* Pasture/tillable combo just NW of Talmage on 18 Hwy.

* 24 Ac +/- Bldg. site @ Pawnee Rd. / I-135 N of McPherson! Call Lucas!

* - Owner will Finance - 320 Ac +/- Pasture E of Bennington. Call Ray!

* - Owner will Finance - 300 Ac +/- on the Solomon River. Call Ray!

* 240 Ac +/- Geary Co. blacktop frontage 190 pasture w/new fences, 3 big
springs and 2 new wells. 45 tillable. Close to town. Seller is a Kansas licensed real
estate agent. Call Ray!

HAPPY HOLIDAYS!

Brad Budden 785-280-0915
Ty Bryant 785-366-0261
Sheila VanWinkle 785-280-3564
Ray Swearingen 785-452-8498
Rachelle Swearingen 785-452-5115
Billy Randle 785-479-1152

Agents Not Pictured...
Calvin Carlson • Lucas Hamm
785-819-1480 785-366-3580



NEW STOCK, HORSE, FLATBED, & UTILITY TRAILERS

Trailer Repair Brakes, lights, sand blast, paint weld

We Install Brake Controllers

USED TRAILERS
Waterville Location:
'09 Doolittle 25' GN flatbed\$4,500
'00 Moore 40' GN race/car hauler\$5,000
'16 Titan fuel trailer, tank incl.\$3,500

Fort Scott Location:
'94 Bonanza 16' GN stock\$2,500

Blue Valley Trailers
225 South East St.
Waterville, Kansas 66548

785-363-2224
1-866-368-4826



HUSTLER
DROP 'N LOCKS
GOOSENECK HITCHES

TRAVALONG TRAILERS
New steel & alum. stock
New 20' to 31' flatbed
Used GN stock and horse skid steer and car hauler

VISSER TRAILER SALES
Herington, KS•785-258-2800

BOB'S TRAILER SALES

Pomona, Kansas
785-418-2227
www.bobstrailersales.com
Circle-D, Elite, Travalum, Travalong

B&W Hitches
Turnover ball: \$495
Free Installation!

2018 Circle D 16' bumper stock\$5,250
•2018 Circle D 20'\$7,850
•2018 Circle D Stock Trailer 24'.....\$8,700
•2017 Travalum Aluminum Stock Trailer 24'.....\$14,875
•2018 Travalum 20' stock\$13,100
•2018 Travalum 24' stock\$14,500
•2018 Elite 30' 10k axles gooseneck flatbed... \$7,500
•2018 Elite 25', 2-7k axles Gooseneck flatbed\$5,400
•2018 Elite 25' 10k axles Gooseneck flatbed\$6,950
•2018 Elite 32' 10k axles Gooseneck flatbed\$7,800

CIRCLE D
LIVESTOCK & HORSE TRAILERS
FLATBED TRAILERS
• 1-800-526-0939 •
www.circle-dtrailers.com

Elite Aluminum Stock Trailers
Titan — Sharp Your Trailer Super Store!
Mid-Plains Equipment
E. Hwy 30 & 10, POBox 2526 Kearney, NE 68848
Delivery Available
308-237-5810
www.midplainsonline.com



DONAHUE!
1-800-457-7406
www.donahuetrailers.com

Trailers 4 U
785-292-4166
Frankfort, KS



www.trailers4u.com



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

Call to Lease or Purchase Grain Trailers for Harvest


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

CLAAS USED FORAGE HARVESTERS & HEADS
'11 Claas 960.....Coming
'10 Claas 980.....Coming
'09 Claas 980
'05 Claas 900.....Call
'04 Claas 900.....Call
Claas RU600, 8 row headFrom \$30,000

TRACTORS
2012 Case 315.....\$190,000
Agco Star 8360.....\$45,000


COMBINES
0% For 5 years on all 62 & 72 Series combines
'13 Gleaner S67
'12 Gleaner S77
'12 Gleaner S67
'11 Gleaner S67
(2) '10 Gleaner R76
'05 Gleaner R75.....\$120,000
'02 Gleaner R72.....\$85,000
'99 Gleaner R72.....\$75,000
'95 Gleaner R72
'98 Gleaner R62.....\$67,500
(2) '97 Gleaner R62 ..\$45,000
'94 Gleaner R62.....\$40,000
'13 3000 12R30.....\$55,000
'11 3000 12R30.....\$50,000

MISCELLANEOUS
Sunflower Tillage equipmentComing in daily



ALLIS WHITE HESSTON
MASSEY FERGUSON
Kalvesta Impl. Company, Inc.
620-855-3567
KALVESTA, KS 67856
www.kalvestaimplement.com

COMBINES
2007 Case IH 7010, 4WD
2003 Case IH 2388 4WD
2012 CaseIH 3020, Flex, 30'
2007 CASE IH 2020 flex, 35'
2005 CASE IH 2208 8RN
NEW TRACTORS
Case IH Maxxum 115 MFD
Case IH Maxxum 125 MFD
Case IH Farmall 100C MFD
Case IH Farmall 120U MFD
USED TRACTORS
2015 Kubota M8560 HDC12, w/ldr
2010 Kubota M8540 FC 2wd w/cab
2011 NH Boomer 40 w/ldr
2003 NH TC35 4wd w/ldr
2003 Kubota 7800 HSD 4wd w/ldr
2013 Case IH Maxxum 125 MC
1977 IH 1586 OTT
MISCELLANEOUS
2002 DMI 44' FC
2007 Bush Hog 2715 15' cutter
2015 Case IH DC102 Moco
2010 Case IH 330 Turbo, 31'
2014 Kinze 3500 8/15
1994 Case IH 8465, twine
1999 GP 1005NT drill, NC
Westendorf TA26 loader



McConnell Machinery
1111 E. 23rd Lawrence, KS
785-843-2676
or
3313 Nebraska Terr. Ottawa, KS
785-242-1463
Evenings
785-979-2271
www.mcconnellmachineryco.com

FOR SALE: 1969 F600. 15.5' Omaha Standard bed, Heil hoist, stock racks, 900-20 tires, all good, new spare, never used, red in color, AM/FM CD player, good interior, power steering. \$3000 obo.Blaine, KS. 785-396-4482 or 785-458-2658.

VERMEER BALERS: 605SM net only, 554XL Accu-Bale twine, 504L, used Winkel bale bed, 7x9 bar six cake feeders, 600-1800 lbs. Triple C square bale grabber, Hydrabed dump box, Chevy grille guards, 5ft net; Golden Harvest. Formerly Miller Ranch Equip. Alma. 785-313-0019 or 785-313-3001.

Case & IH Tractor Salvage
Case 300's thru 2096
IH 460's thru 5488
Over 1000 Tractors on shelf
New & Rebuilt parts for all brands of tractors/ combines

Want to buy
Case & IH salvage tractors

Elmer's Repair CENTRALIA, KS
785-857-3248
www.elmersrepair.com

FOR SALE OR TRADE

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

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

2004 CASE 2388 COMBINE w/2004 30' model 1010 header. 2036 engine hours, Sep. h/1546. Always shedded, 1 owner, well maintained. \$98,000. 785-906-0215, 785-906-0017

2005 GEHL CTL 80 TRAC skid steer and bucket. 3054 hours, runs good. \$20,500. 785-979-2411.

FOR SALE: 1969 F600. 15.5' Omaha Standard bed, Heil hoist, stock racks, 900-20 tires, all good, new spare, never used, red in color, AM/FM CD player, good interior, power steering. \$3000 obo.Blaine, KS. 785-396-4482 or 785-458-2658.

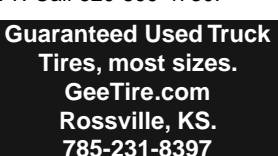
VERMEER BALERS: 605SM net only, 554XL Accu-Bale twine, 504L, used Winkel bale bed, 7x9 bar six cake feeders, 600-1800 lbs. Triple C square bale grabber, Hydrabed dump box, Chevy grille guards, 5ft net; Golden Harvest. Formerly Miller Ranch Equip. Alma. 785-313-0019 or 785-313-3001.

Gleaner Combines
'04 R75 RWA.....\$59,500
'93 R62 Cummins\$24,500
'94 R62 Deutz\$21,500
'91 R60 RWA\$13,500
EZ Trail Gravity Wagons,
Grain Carts, and Header Trailers.

Great Plains Tillage Tools

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


'05 JD 7520 MFWD, 4940 hrs, IVT. Call 620-899-4730.



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

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

JD 4420 COMBINE, 3100 hours, \$6,000. 653A row head, \$4,000. Good condition. 785-922-7082



NEW

- 604-605N net
- R2300 & R2800 rakes
- TM800 Trail Mower
- VR-8, 10, 12 wheel rake

USED EQUIPMENT


- 605M net ramp floats
- 665M twine ramp
- 505l baler, \$3,500
- JD 700 rake hyd fold \$5,500
- CFR960 HL bale processor, like new round & square hay grapple fork scales
- BP8000 w/ FinalCut
- BP8000 w/Scales

FEED MIXERS

- FA-550 Feed wagon

To view all of our New & Used Equipment, please check out our website: www.sloophook.com or give us a call: 785-828-4706


Sloop Sales & Hook's Repair Inc.
Lyndon, KS 66451



New Equipment
604N Baler
605N Baler
R2300 Twin Rake
R2800 Twin Rake
VR1224 12 Wheel Rake
TM800 Trailed Mower
MC3300 Mower Conditioner
BPX9000 Bale Processor
4' & 5' Net Wrap & Twine

Used Equipment
\$13,500
10 New Holland BR7090

Wertzberger Ranch Equipment LLC
Alma, KS
785-765-3588



New Equipment
604N Baler
605N Baler
R2300 Twin Rake
R2800 Twin Rake
VR1224 12 Wheel Rake
TM800 Trailed Mower
MC3300 Mower Conditioner
BPX9000 Bale Processor
4' & 5' Net Wrap & Twine

Used Equipment
\$13,500
10 New Holland BR7090

Wertzberger Ranch Equipment LLC
Alma, KS
785-765-3588


— PLANTERS/DRILLS —
'96 JD 1760 12-30'\$17,500
'12 JD 1760 12-30'\$39900
'11 JD 1770 16-30'.....\$69,500
'08 JD 1770NT 24/30.\$59,500
'06 JD1780 8/15\$29,500
'14 JD 1790 16/32\$107,500
'12 DB60 24/47\$189,500
'13 DB90 36row\$149,500
'12 Kinze 16/31\$74,500
'08 Kinze 16/31\$56,500
'13 Kinze 16/31\$95,500
'14 Kinze 12/23.....\$79,500

— COMBINES —
'16 JD S680\$299,500
'13 JD S680 4wd\$209,500
'17 JD S680 4wd\$319,500
'16 JD 670\$219,500
'14 JD S670\$239,500
'14 JD 670\$189,500
'12 JD S670 4WD.....\$164,500
'10 JD 9870\$119,500
'04 JD 9660\$74,000

Corn heads

— SPRAYERS & APPL.—
'16 JD 4038\$289,500
'15 JD 4038 100'.....\$217,500
'15 JD 4030\$199,500
'14 JD 4030\$149,500
'12 JD 4730\$139,500
'08 JD 4730 100'.....\$87,500
'14 JD 4630\$126,350
'11 JD 4630\$119,900
'02 Willmar 8500.....\$39,500
'08 CIH 4520.....\$115,000
'04 Peterbilt floater.....\$59,500

— TRACTORS —
'16 JD 9620 RX\$424,500
'16 JD 9570 RX\$409,500



NEW
Balers: 605N, 504R, 604N
Rakes: VR1428, 2- VR1224


USED
Balers: 4- 605SM, 2- 605N,
1- 605SM corn stalk, 1- 504N, 1- 504R Demo, 1- 6650 Rancher Rakes: 2- R2800, 2- R2300, 1- VR1428, 1- VR1224

LARGER BALE FORKS
SPRING STEEL AVAIL.
METAL
ROUND SQUARE TUBING
ANGLE CHANNEL & FLAT
2 3/8", 2 7/8", 4 1/2" pipe
3/4 & 7/8 sucker rods
WELDING SUPPLIES
Oxygen C125 & acet. Bottles for sale
Welding rods & wire
Top & bottom belts for all balers
Twine 4' & 5' netwrap
Portable panels, Feed Bunks & Round Bale Feeders


Forrest Johnson
LEONARDVILLE, KS 66449
785-293-5583
785-293-2235

NEW EQUIPMENT
6650 Rancher Baler
504 Signature R baler
Winkel Calving Pen
Portable Corral
R2300 rake
VR1224
BPX 9000 Bale Processor
MC 3700
Perfect Tree Saw

USED EQUIPMENT
605N
555 XL
605G baler
605M baler
M850 Mower Demo
3 pt tree shear




Winkel Calving Pen



14200 Godlove Rd. Westmoreland, KS
785.457.3534

— USED IMPLEMENT —
1975 MF 255 Tractor w/ ldr
Gehl 1870 rd. baler
2014 Gleaner S77 combine
2012 Gleaner S-77
1998 Gleaner R72
Gleaner 8200 30' w/air reel
Gleaner 800 30' flexhead
Gleaner 400 30' rigid
2003 MF 9690 w/30' head

Call us for your AGCO part needs!




AGCO ALLIS WHITE EQUIP. HESSTON MF • GEHL DIXON

Kuhlman Impl.
LINN, KANSAS
785-348-5547

— USED IMPLEMENT —
1975 MF 255 Tractor w/ ldr
Gehl 1870 rd. baler
2014 Gleaner S77 combine
2012 Gleaner S-77
1998 Gleaner R72
Gleaner 8200 30' w/air reel
Gleaner 800 30' flexhead
Gleaner 400 30' rigid
2003 MF 9690 w/30' head


Call us for your AGCO part needs!



AGCO ALLIS WHITE EQUIP. HESSTON MF • GEHL DIXON

Kuhlman Impl.
LINN, KANSAS
785-348-5547

Firestone



18.4-34 SATII 8pr TL..... \$657
650/65 R38 RAD 9000 166D..... \$1,509
380/85R30 RAD AT DT..... \$838
380/85 R30 Performer Evo..... \$560

Prices and Product availability are subject to change without notice.

TOLL FREE 866-888-7838

www.donstire.net
ABILENE, KS

— PLANTERS/DRILLS —
'96 JD 1760 12-30'\$17,500
'12 JD 1760 12-30'\$39900
'11 JD 1770 16-30'.....\$69,500
'08 JD 1770NT 24/30.\$59,500
'06 JD1780 8/15\$29,500
'14 JD 1790 16/32\$107,500
'12 DB60 24/47\$189,500
'13 DB90 36row\$149,500
'12 Kinze 16/31\$74,500
'08 Kinze 16/31\$56,500
'13 Kinze 16/31\$95,500
'14 Kinze 12/23.....\$79,500

— COMBINES —
'16 JD S680\$299,500
'13 JD S680 4wd\$209,500
'17 JD S680 4wd\$319,500
'16 JD 670\$219,500
'14 JD S670\$239,500
'14 JD 670\$189,500
'12 JD S670 4WD.....\$164,500
'10 JD 9870\$119,500
'04 JD 9660\$74,000

Corn heads


— SPRAYERS & APPL.—
'16 JD 4038\$289,500
'15 JD 4038 100'.....\$217,500
'15 JD 4030\$199,500
'14 JD 4030\$149,500
'12 JD 4730\$139,500
'08 JD 4730 100'.....\$87,500
'14 JD 4630\$126,350
'11 JD 4630\$119,900
'02 Willmar 8500.....\$39,500
'08 CIH 4520.....\$115,000
'04 Peterbilt floater.....\$59,500

— TRACTORS —
'16 JD 9620 RX\$424,500
'16 JD 9570 RX\$409,500

'02 JD 8520\$89,500
'16 JD 8370 RT.....\$247,500
'16 JD 8370 R.....\$269,500
'14 JD 8345 R.....\$229,500
'12 JD 8335 RT.....\$179,500
'10 JD 8320 R.....\$129,500
'11 JD 8335 MFWD ..\$157,500
'11 JD 8255 MFWD ..\$159,500
'84 JD 4850 MFWD ...\$29,500
'82 JD 4640\$21,500
'15 JD 6155M\$97,500
'14 JD 6125M\$97,500
'13 CIH 290.....\$159,500
'06 CIH 275.....\$74,500
'13 NG T8 360\$149,500
'98 NH 8870.....\$39,500
'14 Kubota BX2670.....\$14,900

— TILLAGE —
'13 JD 2623VT 30'\$42,500
'11 JD 2310 45'.....\$65,500
'14 JD 2210 64'.....\$52,500
'12 JD 2210 55'.....\$47,500
'13 JD 2210 28'.....\$29,500
'13 JD 20' 2623VT\$36,500
'11 JD 512\$39,500
'06 SF 1444 40'\$29,500

785-742-7121
HIAWATHA, KS 66434
www.hiawathaimplement.com



— PLANTERS/DRILLS —
'96 JD 1760 12-30'\$17,500
'12 JD 1760 12-30'\$39900
'11 JD 1770 16-30'.....\$69,500
'08 JD 1770NT 24/30.\$59,500
'06 JD1780 8/15\$29,500
'14 JD 1790 16/32\$107,500
'12 DB60 24/47\$189,500
'13 DB90 36row\$149,500
'12 Kinze 16/31\$74,500
'08 Kinze 16/31\$56,500
'13 Kinze 16/31\$95,500
'14 Kinze 12/23.....\$79,500

— COMBINES —
'16 JD S680\$299,500
'13 JD S680 4wd\$209,500
'17 JD S680 4wd\$319,500
'16 JD 670\$219,500
'14 JD S670\$239,500
'14 JD 670\$189,500
'12 JD S670 4WD.....\$164,500
'10 JD 9870\$119,500
'04 JD 9660\$74,000

Corn heads

— SPRAYERS & APPL.—
'16 JD 4038\$289,500
'15 JD 4038 100'.....\$217,500
'15 JD 4030\$199,500
'14 JD 4030\$149,500
'12 JD 4730\$139,500
'08 JD 4730 100'.....\$87,500
'14 JD 4630\$126,350
'11 JD 4630\$119,900
'02 Willmar 8500.....\$39,500
'08 CIH 4520.....\$115,000
'04 Peterbilt floater.....\$59,500

— TRACTORS —
'16 JD 9620 RX\$424,500
'16 JD 9570 RX\$409,500

OUR 65th YEAR USED TRACTORS
2016 JD 8370R
2014 JD 8370R
2016 JD 8345R
2015 JD 8345R
2014 JD 8335R
2001 JD 7810
2016 JD 6155R
1995 JD 7400
1991 JD 4455


USED PLANTERS
2015 JD 1795 16/31
2014 JD 1790 16/31
2005 JD 1760 12 row

COMBINES
2011 JD 608C

USED EQUIPMENT
2011 JD 568 baler
2008 JD 568 baler

NEW EQUIP. SPECIALS
2017 JD 569 baler
2017 JD HX15

SOLID – STABLE STILL JD



785-336-2138 Days
785-548-5855 Nights
Visit Us At
toddtractor.com
Seneca, Kansas

PLANTER SALVAGE
IH 800-900-950-955 Cyclo
JD 494-1280, 7000-7300, plate and plateless
White 5100

Koelzer Repair
Onaga, KS 785-857-3257

BRUNA IMPL. CO.
SKID STEERS:
2015 Case TR320, 742 hrs ...
..... \$48,500 (S)
2013 Case SV300, 569 hrs ...
..... \$39,500 (W)
2014 Case SR210, 842 hrs ...
..... \$32,000 (W)
2006 NH 185B, 1200 hrs
..... \$26,500 (W)

FEEDING:
H&S HSGN170 grinder mixer
..... \$29,500 (S)
Roto Mix 425 \$21,500 (W)
Supreme 400\$29,995 (C)

COMBINES:
2004 Case IH 8010, 3105 hrs
.....\$73,500 (C)
2012 Case IH 7130, 1651 hrs
.....\$142,000 (M)
2014 Case IH 7140, 820 hrs..
.....\$220,000 (M)
2010 Case IH 7088, 2049 hrs
.....\$128,500 (C)
2005 Case IH 2388, 3934 hrs
.....\$74,500 (W)
2001 Case IH 2388, 5088 hrs
.....\$45,000 (M)
1994 Case IH 1688, 4935 hrs
.....\$29,500 (S)

TRACTORS:
2002 Case IH STX375 Quad,

3342 hrs..... \$119,500 (C)
2014 Case IH Magnum 380 CVT, 1140 hrs. \$194,500 (H)
2012 Case IH Magnum 340, 2578 hrs.....\$137,500 (M)
2011 Case IH Magnum 260, 1310 hrs..... \$134,500 (S)
2004 Case IH MX210, 5586 hrs\$63,000 (W)
2011 Case IH Maxxum 140 w/ldr, 2582 hrs \$77,500 (C)
2012 Case IH Maxxum 125 w/ldr, 329 hrs\$87,500 (M)
2012 Case IH Farmall 95 w/ldr, 150 hrs \$40,750 (W)
2008 Case IH JX70 2wd w/ldr, 404 hrs.....\$22,500 (M)
1977 IH 4386 4WD, 3024 hrs
.....\$15,000 (H)

BRUNA IMPL. CO.
SKID STEERS:
2015 Case TR320, 742 hrs ...
..... \$48,500 (S)
2013 Case SV300, 569 hrs ...
..... \$39,500 (W)
2014 Case SR210, 842 hrs ...
..... \$32,000 (W)
2006 NH 185B, 1200 hrs
..... \$26,500 (W)

FEEDING:
H&S HSGN170 grinder mixer
..... \$29,500 (S)
Roto Mix 425 \$21,500 (W)
Supreme 400\$29,995 (C)

COMBINES:
2004 Case IH 8010, 3105 hrs
.....\$73,500 (C)
2012 Case IH 7130, 1651 hrs
.....\$142,000 (M)
2014 Case IH 7140, 820 hrs..
.....\$220,000 (M)
2010 Case IH 7088, 2049 hrs
.....\$128,500 (C)
2005 Case IH 2388, 3934 hrs
.....\$74,500 (W)
2001 Case IH 2388, 5088 hrs
.....\$45,000 (M)
1994 Case IH 1688, 4935 hrs
.....\$29,500 (S)

TRACTORS:
2002 Case IH STX375 Quad,

3342 hrs..... \$119,500 (C)
2014 Case IH Magnum 380 CVT, 1140 hrs. \$194,500 (H)
2012 Case IH Magnum 340, 2578 hrs.....\$137,500 (M)
2011 Case IH Magnum 260, 1310 hrs..... \$134,500 (S)
2004 Case IH MX210, 5586 hrs\$63,000 (W)
2011 Case IH Maxxum 140 w/ldr,

MACHINERY

Tire Town Inc.
18.4-34 new, 10p\$575
11L-15 rib 12p, new\$90
800/70R38, 80%\$1,500
16.5L-16.1, 10p, new\$235
20, 8-38, 10p, new\$760
18.4R46, new\$1,450
Nationwide Shipping
WE DEAL
Other Sizes and Prices
New & Used
800-444-7209 800-451-9864
913-441-4500 913-682-3201

Used Farm Equipment

Tillage • Grain Handling
Loaders • *and more*

Check website for listings

Mellenbruch Machinery

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

USED TRACTORS

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



ROSSVILLE

Truck & Tractor
ROSSVILLE, KANSAS
785-584-6195



With 5 locations,
Abilene Machine is one of the largest distributors of new, remanufactured and recycled ag replacement parts in the United States.



800-255-0337
www.AbileneMachine.com

TRACTORS/SKID LDERS
1997 NH 8870 2WD, 7900 hrs
2014 JCB205 skid loader
2015 Farmall 75C, cab, MFD, ldr, 75 hrs.
2000 Bobcat 763 2800 hrs
2015 JCB 280 skid loader, 105 hrs.
2015 JD 323 E track skid loader, 140 hrs.
Cat 8' roll out bucket, off 928G
2013 JCB260 skid loader
2012 NH T6.165 MFD loader tractor
2008 JCB 536-60 Agra telehandler 2,800 hrs
2013 JD 323D track skid loader, 560 hrs.
HAY EQUIPMENT
1995 Hesston 1160, 14' MoCo
2003 Hesston 956A, 6700 bales
Vermeer BPX 9000
Vermeer M7040 7' rotary disk mower
New MacDon R116 Moco.
New H&S 1660 16 wheel Hi Cap rakes
1997 Hesston 565A round baler
COMBINES
1986 Case IH 1063 corn-

MACHINERY

WE ARE DEALERS FOR



Kelly-Ryan-Kewanee - Westendorf C.E. Attachments H&S

Just In
10', 12', 14', 16', 18', & 20' GATES
CORRAL PANELS

8' corral panels.....\$60.00
10' corral panels.....\$70.00
12' corral panels.....\$80.00
14' corral panels.....\$90.00
16' corral panels.....\$100.00

SKID LOADERS & ATTACHMENTS

New Danuser Intimidator tree & post puller
Tobin flip blade for skid steer
New Gehl skid ldrs & track ldrs
Haugen 4 spear bale fork
Pallet forks 48"\$800
Haugen bale grapple bucket
New M&M tree shears & grapples
New CEA pallet forks
New CEA tooth bars
New Mensch, manure scrprs
New Danuser and Lowe post hole diggers, skid loader mounts\$2,500
New brush grapples
New Bale Spears for big rounds and square\$650

NEW EQUIPMENT

Cimarron 10' 3 pt. rotary mower
USED EQUIPMENT
Kelley Ryan 5x13.5 manure spreader
Kelley Ryan 5x12 feed wagon
JD 1518 15' flexwing mower
Case 830 gas tractor
2009 JD 620I Gator w/cab enclosure
GB 660 loader CIH 5120 series Maxxum tractors
GB 800 loader

SENECA IMPL. CO.

Hwy. 36 West
SENECA, KANSASS
Day..785-336-2621
Night.....785-336-2502

3 pt round bale unroller, like new\$950
Landpride 3 pt 10' rotary mower, used very little,\$8,000
Used Farmhand #236 ldr w/66 mounts\$4,000
IHC 1086, 7000 hrs, new rubber, w/3100 Du-Al ldr & grapple\$19,995
2001 Dodge 2500 series, diesel, 6spd 4x4, w/utility box,\$6,000



WINCHELL'S, INC.
Phillipsburg, KS
785-543-2118



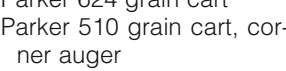
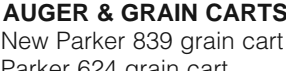
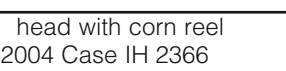
WE RENT TREE SHEARS! BOBCATS - TRADE-INS

2011 Bobcat T750 C, H, & A, ACS, 2000 hrs\$34,500
2013 Bobcat S590 A91 skid steer, 600 hrs\$32,500
2016 Bobcat T740 A91 SJC\$54,000
2016 Bobcat S590 A91, 150 hrs\$37,000
2016 Bobcat S650 A71 SJC TS,\$40,000
3695 Green Valley Road
Manhattan, KS 66502
For More Details Call
Greg • 785-215-4285
Travis • 785-410-8985
Office • 785-537-9979



2012 CASE MAXXUM 125
with 755 loader. FWA. 910 hours. 4 remotes. Located in NE KS. \$75,000. 913-620-6878.

AC D17 \$4000, 8 WHEEL rake \$2000, wood 15' bat wing mower 540 PTO \$6000. 913-796-6346.



SUPERIOR IMPLEMENT, INC.

402-879-4723

Evening: 402-879-3719

SUPERIOR, NEBRASKA

EMPLOYMENT

FARM HELP WANTED: NCKS
crop and cattle backgrounding farm. Looking for full time help. New equipment, competitive wages negotiable based on experience. Flexible hours. 785-366-6503.

OWNER OPERATORS
needed. If you currently own a pickup and gooseneck trailer and want to add more income to your farm or ranch, come join our trucking team. Requirements are: must have valid CDL, good driving record, and be able to pass drug and alcohol test. Call for more details 785-293-5806.

BUILDINGS / BLDG MTLs.



ga 40yr ptd..... \$64.89/sq
29 ga #2 ptd..... \$58.50/sq
29 ga Galvalume... \$50.28/sq
Complete Bldg. Packages
Doors, Insulation, Livestock Equipment, Scales, Waters
Jobsite Delivery Available
(prices subject to change)
www.diamondlsupply.com

Butterfly Supply, Inc.
800-249-7473

• Tubing • Rods • Cable •
• Guardrail • Clips •

STEEL FENCING & BUILDING SUPPLIES

www.butterflysupplyinc.com



SMITH POSTYARD
Hedge Post
Delivery Available
JEFF SMITH
620-496-8956

Metal Panels & Accessories

THE VALUE LEADER. WE WON'T BE UNDERSOLD
METAL \$54/ SQUARE
• DELIVERY AVAILABLE •
Prices subject to change
WESTERN METAL
2 Locations • Best Service
Louisburg, Kansas
1-800-489-4100
HAYS, KANSAS
1-800-770-2725

Some good advice:
BUY NOW, STEEL
PRICES TO RISE.

For years we have served our customers by alerting them of pending steel price increases. Suppliers we do business with have told us they are raising prices in early 2018.

It is good news that the economy is growing, but it is also time to play it smart. Steel prices will affect everything steel, not just products we sell. If you can anticipate what your needs will be, AVOID THE HIKE. If you are a customer of GoBob, you know we have always honored the prices given at the time you place your order.

855-880-7964
GoBobKS.com



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

Many Others Available

(800) 369-3882
www.toplinebuildings.com
sales@toplinebuildings.com

THE SECRET HEAVY DUTY SOLUTION TO SAVINGS:

Corrals and fencing with de-coiled steel is the way to save. Call us today to learn how!
DE-COILED PIPE 2 3/8" OD X-HEAVY WALL,
24 FOOTERS \$1.23 per foot
BELOW MARKET STEEL MATERIALS!
NEW 2 7/8" OD PIPE .145 WALL, 32 FOOTERS! \$1.63/ft.
CALL FOR MORE SPECIALS!
855-880-7964
GoBobKS.com

SERVICES

CUSTOM PORTABLE DISC-ROLLING

DARRELL WAGONER
Cell: 785-650-4094

SERVICES

TRACTOR AND AUTO restoration and repairs. Raymond Crist, Baldwin, KS. 913-208-0392

PETS

AUSTRALIAN SHEPHERD puppies. Farm raised, ready to go 12-23, vaccinated and wormed. Call 785-275-3580

WANTED

DAMAGED GRAIN WANTED STATEWIDE

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

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

WANT TO BUY:
Wood Wheel Farm
Wagons, Anvils, Steel
Wheels, Corn Shellers,
Forges, Any Farm
Primitives.
785-488-5150

MISCELLANEOUS

GENERATORS: USED, LOW
hour take outs. 20 kW - 2000 kW. Diesel, propane & natural gas. Pay half of new! 701-371-9526 or 701-367-4305.
www.abrahamindustrial.com
We ship nation wide!

YOUR Auction Source!



Grass & Grain

785-539-7558
1531 Yuma St
Manhattan, KS

Even Sideways GRASS & GRAIN can take care of all your advertising needs!

Hardiness of fruit trees

By Kelsey Hatesohl,
River Valley Extension
Agent- Horticulture

I know we are a few months away from spring, but it is never too early to start planning for next spring. If you are looking into purchasing fruit trees this spring, there are a few factors that you should consider when planting apricot and peach trees. Spring in Kansas is often an unsettled weather pattern, which can affect fruit trees. Apricot and peach tree flowers are very vulnerable to late frosts that can kill their fruit buds. Of course, the tree itself will be fine but there will be little to no fruit for that year. Late frosts can affect other species of fruit trees as well, but apricot and peaches are by far the most sensitive.

The closer a tree is to full bloom, the more sensitive it becomes to the frosts. Apricots are more likely to have frost kill flowers because they bloom earlier. Peaches are next on the list for greater

chance of being caught by a late frost. With peaches, two characteristics become important when considering whether they can be damaged; bloom time and fruit bud hardiness. Like apricots, bloom time is very important but fruit bud hardiness is also important. Fruit bud hardiness refers to the hardiness of the bud to late frosts rather than the ability to survive extreme low temperatures during the winter. A few late blooming peach varieties include 'China Pearl,' 'Encore,' and 'Risingstar.'

When choosing what varieties of fruit trees to plant, remember to look at the bloom time and fruit bud hardiness. These two things will help you choose the best fruit tree for your area, as well as give you the best chance for a bountiful harvest. If you have any questions feel free to stop by or contact me in the in the Washington office, 785-325-2121 or khatesohl@ksu.edu.

U.S. soy's superior value is demonstrated through more nutrients, greater consistency

Exceptional composition is a key element of the U.S. Soy Advantage.

When it comes to soybean quality, the U.S. soy industry wants to be sure that its customers are armed with the right information. The U.S. Soy Family, which includes the U.S. Soybean Export Council (USSEC), American Soybean Association (ASA), and United Soybean Board (USB), promotes numerous studies around soy quality, providing international customers with the necessary information to make the right soy choice.

Annually since 1986, USSEC partners with the University of Minnesota Department of Agronomy & Plant Genetics to gather samples from soybean producers across the United States' growing regions to analyze them for protein, oil, and amino acid concentration—yielding scientific data that verifies the exceptional composition and high nutritional value of U.S. soy.

In 2017, sample kits were mailed to 6,688 producers selected based on total land devoted to soybean production in each state, so that response distribution would closely match that of soybean production. By early December, 1,837 samples were received, which were analyzed for protein, oil, and amino acid concentration.

Preliminary survey results show that, across U.S. growing areas, protein concentrations were unusually consistent across the U.S. in 2017, although slightly lower overall than 2016 levels and historical averages. However, oil concentrations in 2017 were nearly equal to 2016 levels and were higher than historical averages. Additionally, essential amino acid results varied very little by state and region and the U.S. average of essential amino acids was slightly higher than last year.

The quality study also found an increase in protein concentrations in some northern states. For example, Minnesota and South Dakota soybeans had higher protein in 2017 than 2016, with South Dakota increasing protein by nearly one percentage point.

Because protein levels were similar across all U.S. growing areas, this in-

dicates that the U.S. will be exporting soybeans with a more consistent nutritional bundle from all port locations.

Recent studies comparing soybeans of different origins continue to reinforce the understanding that U.S. soy provides the nutritional bundle needed to optimize animal nutrition and profitability. The full value of U.S. soybean products is found when buyers consider total metabolizable energy, batch-to-batch consistency, essential amino acid profile and digestibility.

Dr. Gonzalo G. Mateos, professor of animal science at the University of Madrid (Spain), conducted research study on the nutritive value and energy quality of soybean meal for pigs and poultry. His team compiled data, gathered over eight consecutive years, to map out the energy and protein levels of samples of the world's largest exporters of soybean meal: the United States, Brazil and Argentina. In his peer-reviewed and published study, Mateos concluded that composition and quality of protein is the best indicator of nutrition. He said that U.S. soybean meal is the world's top and most convenient of the world's protein meals' supply.

Dr. Hans H. Stein, professor of animal nutrition at the University of Illinois, analyzed digestible, metabolizable energy in swine by analyzing soybean meal from China, Argentina, Brazil, and the U.S., and four sources from India. Stein's peer-reviewed and published study showed that U.S. soybean meal had more digestible amino acids than that of other origins and that soybean meal from the U.S. has greater digestibility and less variability in composition and digestibility.

This global research continues to demonstrate that soybeans and soy products can vary widely depending on their origin. Year after year, U.S. soy can be counted on by nutritionists and managers to consistently maximize animal performance and reduce production costs.

For copies of this research, contact Lisa Humphreys at lhumphreys@ussec.org.

YOUR AUCTION SOURCE

Never miss a sale! Subscribe today!
Toll Free: 877-537-3816

Coffee Shop Agronomy meetings begin January 11

Using Cover Crops for Weed Suppression will be the topic on January 11, 2018 at the first session in this year's Coffee Shop Agronomy series of educational meetings, organized by the Riley County Extension Service. Anita Dille, K-State Research & Extension agronomist, will be the featured speaker.

Coffee Shop Agronomy meetings will be held at Nelson's Landing in Leonardville, starting at 10:30 a.m. and adjourning by 12:00 noon every other Thursday from January 11 through February 22.

Meeting dates, topics, and speakers are:
January 11 — Using Cover Crops for Weed Suppression — Anita Dille, K-State Research & Extension agronomist

January 25 — Land Prices and Leasing — Mykel Taylor, K-State Research & Extension agriculture economist

February 8 — Ag Marketing 101 — Dan O'Brien, K-State Research & Extension agriculture economist

February 22 — Soybean Weed Control (Dicamba Issues) — Dallas Peterson, K-State Research & Extension weed scientist

Coffee Shop Agronomy meetings are sponsored by the KSU-Riley County Extension Service. Additional sponsors include: Frontier Farm Credit, Central Valley Ag, LG Seeds, Performance Ag, and Sump Ag.

For more information or to make reservations to attend, contact Riley County Extension Agent Greg McClure at 785-537-6350.

Reservations are requested by noon the day before each meeting.

There is no average soil test

By Josh Coltrain, Crop Production Agent, Wildcat Extension District

Humorist Evan Esar once wrote that "Statistics is the only science that enables different experts using the same figures to draw different conclusions." What is the average soil test in southeast Kansas? This simple question, like many simple questions is, in fact, quite complex when statistics are involved.

Over the past year, I have had the opportunity to make fertility recommendations on just over 220 soil tests across the four counties (Crawford, Labette, Montgomery, and Wilson) the Wildcat District covers. The mass majority (nearly 200) came from Crawford and Montgomery so this data is definitely skewed toward them.

For the purposes of this data set, I have only included crop ground soil tests. If hay and pasture soil tests were included, I am quite confident the data would be consider-

ably different.

The common soil test includes three major tests, Soil pH, Phosphate ppm, and Potash ppm. The K-State Soil Testing Lab uses the Mehlich-3 extraction method for extracting and measuring phosphate. Different labs may or may not use this method so comparing between labs may not be recommended.

The average phosphate level across the 220 samples was 29.4 parts per million (ppm). I must admit that I would have assumed a lower level than this without running the data. While the average is the most common measure of central tendency, the median (half of the measurements below and half above) can minimize the outliers in data. For phosphate, the median is 16.6 ppm, which would be much closer to my assumptions.

The highest sample I reviewed this year had 214 ppm phosphate while the lowest had only one ppm. If you break down

the data into percentiles, the upper 10 percent of the samples were at 69 ppm or above while the lowest 10 percent were at 5.9 and below. For the major crops in our area, 20 ppm is the level in which no phosphorus fertilizer would be recommended on a sufficiency basis. There were 118 samples below 20 ppm which would have had some phosphorus fertilizer recommended.

For potassium, my assumptions were actually much closer to the results. The average across all samples was 146 ppm potash. Once again, the median was lower at 123 ppm and the range was quite broad with a maximum of 571 ppm and a minimum of 43 ppm.

For potash, the highest 10 percent of the samples were at 255 ppm or greater while the lowest 10 percent were 79 ppm or lower. The critical level for potassium fertilizer to be recommended on a sufficiency basis in our major crops is 130 ppm and 123

samples fell below that crucial amount.

Finally, pH was also quite interesting and my prior assumptions would be nearly accurate. The average and the median were quite close in for pH at 6.53 and 6.6 respectively. In addition, the range was wide with a maximum of 7.9 (which is extremely high for our area) and a minimum of 5.1.

The highest 10 percent of pH readings were at 7.3 and above while the lowest 10 percent fell below 5.69. In pH, the critical value is below 6.5 which would induce a lime recommendation. There were 91 samples which met this criteria.

To try to quantify the "average" soil test in southeast Kansas, a number of statistical measures were applied. Feel free to draw your own conclusions.

For more information, contact Josh Coltrain, Crop Production Agent, jcoltrain@ksu.edu or 620-724-8233.

Farm Service Agency – a vital source of assistance to America's farmers and ranchers

Through the work of dedicated staff in over 2,100 county and state offices, the U.S. Department of Agriculture (USDA) Farm Service Agency (FSA) provides vital farm safety-net assistance to agricultural producers across America.

"We've seen recent challenges in farm income and commodity prices," said Dr. Robert Johansson, acting deputy under secretary for the Farm Production and Conservation mission area. "The 'safety net' provided in the 2014 Farm Bill has helped producers withstand economic losses as well as losses resulting from natural disasters. Loans for operating expenses, farm purchases and other purposes help current producers stay in business and allow a new generation of farmers and ranchers get their start."

Agriculture demands working capital. According to Johansson, FSA provided credit, either direct-

ly or guaranteed through commercial lenders, to 120,000 family farmers across the country.

In fiscal year 2017, USDA Farm Loan Programs pumped \$6 billion in support to a diverse group of producers across America. That was the second highest total in FSA history. Over \$2.5 billion of that total was direct and guaranteed operating loans, and another \$3.5 billion was allocated for direct and guaranteed farm ownership loans. This additional financing enabled farmers and ranchers across the country to access capital to start their operations, or to expand their existing operations. The new lending continued the recent growth in FSA's farm loan portfolio.

FSA highlights from the year include:

Agriculture Risk Coverage and Price Loss Coverage (ARC/PLC) and Conservation Reserve Program (CRP)

USDA is issuing approximately \$8 billion in payments under the ARC and PLC programs to agricultural producers who suffered market downturns in 2016.

In 2017, FSA distributed \$1.6 billion in CRP payments to over 375,000 Americans for doing their part in improving water quality, reducing soil erosion and increasing wildlife habitat.

Disaster Assistance

In response to hurricanes Harvey, Irma and Maria, USDA announced special procedures to assist producers in states and territories who lost crops or livestock or had other damage to their farms or ranches. Also, because of the severe and widespread damage caused by the hurricanes, USDA provided flexibility to assist farm loan borrowers. FSA dispatched additional staff to the affected areas and, in response to a request for assistance, rolled out

a special program providing vouchers to dairy herd owners in Puerto Rico who used the assistance to purchase feed.

USDA also provided extensive assistance for a variety of other disasters throughout the country, including drought in the northern high plains, wildfires in the west and central plains, floods, tornados, freezes and other storms. For example, in July, USDA authorized the use of additional CRP lands for emergency grazing and haying in and around portions of Montana, North Dakota and South Dakota affected by severe drought. USDA also added the ability for farmers and ranchers in those areas to hay and graze CRP

wetland and buffer practices. This followed a previous action in April and June to assist the area and provided livestock producers with an additional feed source. In October, FSA teamed with other USDA agencies to provide assistance to wildfire-damaged areas of northern California, including loans and other disaster assistance programs.

New Farmers

In August, Agriculture Secretary Sonny Perdue signed a Memorandum of Understanding with officials from SCORE, the nation's largest volunteer network of expert business mentors, to support new and beginning farmers. The agreement provides new help and resources

for beginning ranchers, veterans, women, socially disadvantaged Americans and others, providing new tools to help them both grow and thrive in agri-business.

Johansson said these accomplishments are in line with Secretary Perdue's goals of maximizing the ability of the men and women of America's agriculture and agribusiness sector to create jobs, prioritizing customer service every day for American taxpayers and consumers and ensuring the food we produce meets the strict safety standards we've established while always remembering that America's agricultural bounty comes directly from the land.

Ag foundation celebrates 35 years, donors and teachers recognized

The Kansas Foundation for Agriculture in the Classroom (KFAC) held its annual meeting Nov. 16, 2017 at the Kansas Wheat Innovation Center in Manhattan. Thirty-two donors, teachers, board members and staff attended the 35th anniversary celebration.

KFAC board chairman, Bill Spiegel, welcomed guests and offered thanks and congratulations to everyone involved in promoting agriculture in Kansas classrooms over the past year. As a special 35th anniversary celebration, Cathy Musick, KFAC executive director, recognized donors who have generously supported KFAC over the last 15 years. Giving levels that were recognized included Plat-

inum (>\$100,000) - Kansas Wheat and Soybean and Corn Commissions; Gold (\$50,000 - \$99,000) - Kansas Farm Bureau (KFB); Silver Level (\$25,000 - \$49,999) - Kansas Department of Agriculture and NRCS of Kansas; and Bronze Level (\$10,000 - \$24,000) - Frontier Farm Credit and Farm Credit Association of Kansas. Other donors that were recognized during the meeting included Franklin and Jackson County Conservation Districts.

After hearing an update on the annual work of the Foundation, attendees heard an inspiring presentation by the 2018 KFAC Teacher of the Year Wanda Small from Atchison County Community School.

Also presenting were

the regional Excellence in Teaching award winners sponsored by the KFB Foundation for Agriculture. Awardees included John Colle, Hutchinson High School, Hutchinson; Sarah Clancy, Marlatt Elementary School, Manhattan; and teacher team from Service Valley Charter Academy, Oswego, Rochelle Sheddric and Sheila Robison.

Small will receive an all-expense paid trip to the National Agriculture in the Classroom (NAITC) conference, to be held in Portland, Maine, in June 2018, sponsored by *High Plains Journal* and AGam in Kansas. The regional winners will receive their choice of a \$600 scholarship for the NAITC conference or a \$200 cash prize to be used to purchase agriculture supplies for their classrooms, sponsored by KFB Foundation for Agriculture.

The Golden Apple award for outstanding service over the years was presented to board member Roberta Spencer of the Jackson County Conservation District. Spencer is a long-time board member and has provided leadership to KFAC on the education committee for a number of years.

Also recognized during the meeting were longtime supporters Larry and Pat Parker, who have served as the KFAC investment committee treasurer for over 30 years and the KFAC accountant, respectively.

Retiring board members Bill Spiegel and Holly Martin were presented with gifts and certificates for their years of service.

Marysville Livestock Sales

Every Thursday at 12 Noon

Donnie Kirkham, Manager • 785-562-1015

1180 US Hwy. 77, P. O. Box 67, Marysville, KS 66508

PLEASE VISIT OUR WEB SITE TO SEE OUR LATEST DETAILED MARKET REPORTS AND UPCOMING CONSIGNMENTS AND SPECIAL SALES: www.marysvillivelivestock.com

WE ARE EXPECTING A VERY GOOD RUN OF ALL CLASSES OF CATTLE TO START THE NEW YEAR ON JANUARY 4

EVERYONE AT MARYSVILLE LIVESTOCK WOULD LIKE TO WISH YOU ALL A VERY HAPPY AND HEALTHY NEW YEAR!

FIELDMEN			
Jim Dalinghaus 785-799-5643 Baileyville, KS	Dave Bures, Auctioneer 402-239-9717 Odell, Nebraska	Jeff Cook 785-564-2173 Hanover, KS	Greg Anderson 785-747-8170 Waterville, KS
			Trevor Lundberg 785-770-2271 Frankfort, KS

Barn Phone • 785-562-1015 www.marysvillivelivestock.com

PUBLIC AUCTION

SATURDAY, JANUARY 13, 2018 — 10:00 AM

12820 HILLSIDE DRIVE – ST. GEORGE, KANSAS

From Wamego Hwy 24 West 5 ½ Miles To Franklin Road South To Hillside Dr Then East.
From Manhattan Hwy 24 East 5 ½ Miles To Franklin Road South To Hillside Drive Then East.

2003 Toyota Camry LE, Tractors, Machinist & Shop Tools,

Furniture, Household, Collectibles, Lawn & Garden

2003 Toyota Camry LE, 4-dr, white, cloth seats. TRACTORS: 1950 Minneapolis Moline 'Z', wide front end, running. 1939 Minneapolis Moline 'Z', rear steel wheels & set of rubber rear tires. MACHINIST & SHOP TOOLS: South Bend 36" metal lathe with tooling & accessories; 16 speed floor model drill press; small table saw; electric welder; power hack saw; several chain saws; Craftsman roll around tool chest; wrenches & tools of all descriptions; Machinist tools; vise; bench grinder on stand; sanders; jack stands. Aluminum extension, straight & step ladders; electric cement mixer; work bench; floor & hydraulic jacks; large sander; heavy extension cords; crescent wrenches; lots pipe wrenches; drills; large chain wrench; wrenches; many drill bits; taps; small drill press; clamps; levels; crimper; large vise; organizers; shop vac; lots C-clamps; chains; hammers; saws; lots screwdrivers; wood plane; levels; monkey wrenches; creeper; pipe tongs; folding saw horses; castors; bolts; electrical; gauges; fittings; nail puller; battery chargers; bars; bolt cutters; vise grips; nut drivers; huge slide rule (6'); tie down straps; dolly; ½" drill; saws; mitre box & saw; air bubble. FURNITURE AND HOUSEHOLD: 46" Samsung flat screen TV; La-Z-Boy rocker recliner; Antique Oak dining table & 6 chairs; Oak buffet; couch; Walnut china cabinet; Walnut cabinet; desk; washstand with towel bar; loveseat; 3 & 4-drawer file cabinets; 1950's yellow dinette table; pool table;

ble; lift chair; 3-drawer chest; glider rocker; sewing cabinet; 4 bar stools; bookcase; step tables; small bench; end tables; step stool; Kenmore microwave; office chair; iron horseshoe coat rack; metal & glass table; desk; upright deep freeze; treadmill; Lifestyle exercise machine; DP gometer exercise bike; metal stack bookcases; bookcase; metal shelving; large plate rack; pr alabaster lamps; pictures including Wallace Nutting; books; figurines; clock; cookbooks; aprons; trivets; 2 mortar & pestles; vases; pink relish dish; platters; bowls; bells; marble eggs; 6 Goebel stems; tablecloths; linen; silverware; pans; glassware; household items; towels; coolers; Hoover steam vac; pressure cooker; ice cream freezer; invalid commode; electric heaters; fans; Coleman camp stove; golf clubs. COLLECTIBLES: Model 37 410 single shot shotgun; BB gun; car whiskey decanters; metronome; crocks & bowl; several nice antique scales; chemist books; large Protractor & case; newer Packard & Minneapolis Moline signs; Red Wing flower pot; Studebaker President parts & glass; horse drawn disk. LAWN & GARDEN: Craftsman DLS 3500 riding lawn mower; MTD 8HP, 30", 6spd riding mower; 2 push mowers; 2 gas weed eaters; small roller tiller; chain saws; pole chain saw; garden hose; wheelbarrow; push brush saw; lawn aerator; de-thatcher; pull fertilizer spreader; lawn cart; mole traps; garden tools.

DAVE & CINNIE HILL

GANNON REAL ESTATE & AUCTIONS

VERN GANNON, BROKER/AUCTIONEER

785-770-0066 • MANHATTAN, KANSAS • 785-539-2316

www.gannonauctions.com

PERSONAL PROPERTY AUCTION

SUNDAY, JANUARY 7, 2018 — 11:00 AM

2323 N. JACKSON — JUNCTION CITY, KS 66441

FURNITURE & APPLIANCES: Flex Steel couch - nice, & electric lift brown recliner; Dining table w/4 chairs; Coffee table & end tables; Metal glass top coffee table; Card table w/chairs; Entertainment center; Mahogany desk; Jewelry box on legs; Heavy duty metal shelf unit; Floor lamps; 50" Sanyo flat screen TV; Dirt Devil vacuum; Microwave; Kerosene heater; Air purifier; Humidifier. COINS, GLASSWARE & COLLECTIBLES: Approx. 23 Lots of coins; Casual "Apples" China set; Set of Apples memorabilia; Milk glass basket & candy dish; French candle holders; PG candy dish; Fruit compotes; Dreamscapes figurines collection; Mary's Moo Moo figurines collection; Very large collection of good & costume jewelry; Dolls; BEAR TRAP; Eagle claw feet; Three 1950's Kansas signs; 1950's Hoblit Hybrids sign; Cast iron seat w/Kansas; Windmill weight chicken; Paper mache duck decoy; Brass fireman's nozzle; old post cards; Sports cards; Nazi cards; old keys. MISCELLANEOUS: Motorcycle helmet; DVD player; CD's; VHS tapes; Records; Office supplies; Yarn; Quilt; Crock pot; Mixer; Small appliances; Nesting Pyrex mixing bowl set; Tupper ware; Purses; Baskets; Bird cage & hanger; Small floor safe; Books; Children's books; Toys; Luggage; Christmas decorations; Pr. Motorcycle gloves; New IROQUOIS 3.5x18 cycle tire; 2 new Sears 2.25/50x17 cycle tires. MANY MANY MORE ITEMS TOO NUMEROUS TO MENTION.

MARLENE VAN SICKLE & OTHERS

Terms: Cash, Check or Credit Card. NRFA. Lunch

785-762-2266 FAX: 785-762-8910

JAY E. BROWN, Auctioneer,

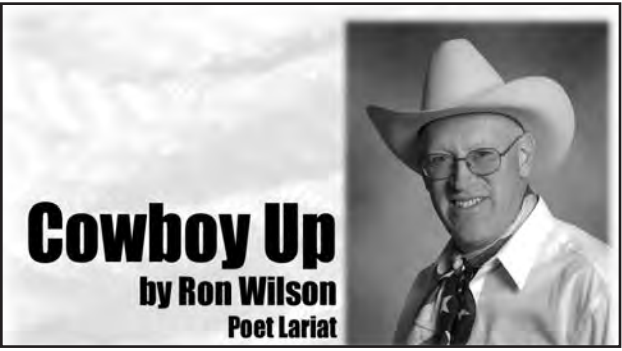
785-223-7555

GREG HALLGREN, 785-499-5376



E-mail: jbrown@ksbroadband.net

KSALLink.com • KansasAuctions.net



Cowboy Up

by Ron Wilson
Poet Lariat

Vetrifying

“Honk if you’re NOT running for Governor” No, I haven’t seen that bumper sticker yet, but it does seem that there are a lot of candidates getting into the race. They’ll be talking about big issues like budgets and taxes, but I have one specific plank which I would like to propose – and I wish the legislature would deal with it even before the next election. This proposal is to expand the Veterinary Training Program for Rural Kansas (VTPRK).

VTPRK deals with a straightforward issue: The need for veterinarians in rural Kansas.

We need large animal veterinarians in our rural areas. The large animal vet (see following poem) fills a vital role in agriculture and the livestock economy

specifically. We need well-trained, well-prepared people who are qualified and willing to help farmers, ranchers and stockmen optimize herd health, care for their livestock, and keep our multibillion dollar livestock industry healthy and productive.

The national data suggest that there are plenty of veterinarians – but not in rural areas or in large animal practice. As with other demographic categories, it seems veterinarians (and spouses) are drawn to the suburbs in search of amenities and economic opportunities. I guess vets see it as safer, easier or more lucrative (or all of the above) to care for Fluffy the poodle rather than Bossie the cow.

This has implications for our nation’s food sup-

ply. A U. S. Department of Labor study cited in 2015 showed that most of the future increase in the veterinary work force would be those who work solely with pets or smaller animals. The American Veterinary Medicine Association website includes a map on food supply veterinary medicine which shows that Kansas is one of the states that is most in need of large animal veterinarians.

Complicating this situation is the escalating cost of veterinary education – and resulting student debt in the millions of dollars. Tuition, books, fees and supply costs have all risen significantly. From 2006 to 2017, veterinary school tuition went from around \$17,000 to \$25,000 per year.

In 2006, as a response to the concern over a lack of rural veterinarians, the Kansas Legislature adopted the Veterinary Training Program for Rural Kansas. VTPRK provided for loan forgiveness to five veterinary students per year who go on to practice in a rural county (defined, in this case, as a county with less than 35,000 population – which means that most of Kansas qualifies). The law does not require that these be large animal veterinarians. However, the nature of those counties would have a strong large animal presence. I’ve met some VTPRK students and they were interested in large animal practice.

The program has been successful. VTPRK graduates are serving Kansas in places from Oakley to Oswego and from Atchison to Johnson City. Ninety-six percent of the graduates are fulfilling their obligations.

\$400,000 was appropriated by the state for the VTPRK in 2006. Today, the annual appropriation is still \$400,000 – while tuition costs have gone up 36 percent in the meantime.

Farm groups are recognizing this issue. At the 2017 Kansas Farm Bureau annual meeting, delegates adopted a policy supporting the expansion of the VTPRK. It would be great to expand the number of students as well as the accompanying appropriation.

That’s the type of candidate position which would get my vote!

Agricultural lease meeting to be held January 9 in J.C.

The Geary County Extension Office is hosting a meeting on agricultural leases on Tuesday, January 9th. The meeting will start at 7:00 p.m. and will be held at the Geary County 4-H/Sr. Citizens Building, 1025 S Spring Valley Road in Junction

City. Geary County Extension agent, Chuck Otte will discuss various topics on agricultural leases including the impact of the Kansas ag lease law, crop share leases, cash leases and the importance of communication. The meeting will last 1 - 1

1/2 hours. The meeting is free and no pre-registration is required. For more information, Otte can be contacted at 785-238-4161 or cotte@ksu.edu. K-State Research and Extension is an equal opportunity provider and employer.

Swine Profitability Conference set for February 6 in Manhattan

Kansas State University’s 2018 Swine Profitability Conference is planned for Tuesday, Feb. 6. This year’s event will be hosted at the Stanley Stout Center in Manhattan.

Each year the Swine Profitability Conference focuses on the business side of pork production.

“Attendees will have a chance to learn ideas for improving their businesses from leading producers, veterinarians and economists,” said Mike Tokach, University Distinguished Professor in K-State’s Department of Animal Sciences and Industry and a swine Extension specialist. “This conference is designed to help producers stay competitive in today’s swine industry.”

The conference will feature speakers from an array of swine-related businesses, including:

- Dr. Doug MacDougald, Southwest Vets, will discuss managing pig health with minimal antibiotic use in commercial pig production.
- Ben Woolley and Ben Keeble, Sunter-

ra Farms, will address opportunities and pitfalls of producing antibiotic-free pork.

• Terry Nelson, Husky Hogs, will share his story of rebuilding after a catastrophe.

• Dr. Gray Louis, Seaboard Foods, will focus on future trends impacting the swine industry.

• Dr. Lisa Tokach, Abilene Animal Health, will provide life lessons learned while practicing with Dr. Steve Henry, who recently retired after more than 40 years in swine practice.

The conference will take place at the Stanley Stout Center, 2200 Denison Avenue. The day begins with coffee and donuts at 9:15 a.m. and the program at 9:30 a.m. Lunch is included in the conference, which will end at 3 p.m.

Pre-registration is \$25 per participant and due by Jan. 30. Attendees can register at the door for \$50 per participant.

More information, including online registration, is available at KSUSwine.org or contact Lois Schreiner at 785-532-1267 or lschrein@ksu.edu.

A Large Role

By Ron Wilson, Poet Lariat

In the livestock industry, there’s one essential link: It’s a special veterinarian in that vital role, I think. This is not just the doctor who cares for the family pet: The one I want to celebrate is the large animal vet. The small animal vet works in a warm and comfy place, Treating the dogs and cats who come in at measured pace. But the large animal vet is often in the great outdoors, Treating bulls and cows and horses, or other herbivores. They may be at the chute, a-doctorin’ a steer, Or in a plastic sleeve, way up an old cow’s rear. They have to know diseases and treatments without fail, And might get kicked or stepped on, or at least smacked by a tail. But they are essential partners in the stockman’s operation: Key elements of agriculture, the backbone of our nation. So let’s thank these men and women for the challenges they’ve met To serve the livestock industry as a large animal vet. Happy Trails! www.ronscowboypoetry.com © Copyright 2017-18

Complaints filed with FTC against HSUS

The Center for Consumer Freedom (CCF) filed a complaint with the Federal Trade Commission (FTC) recently against the Humane Society of the United States (HSUS) claiming that the group was involved in deceptive advertising.

According to a press release from CCF, “HSUS drove traffic to a web page on its HumaneSociety.org domain that contained false information. On the web page in question, a graphic claimed that only 19 percent of HSUS donations are spent on fundraising.”

indicate otherwise, CCF says, noting that their most recent filings show the organization spends at least 29 percent of its budget on fundraising, and that despite its name, HSUS is not affiliated with the human societies that operate local pet shelters.

“Despite the prevalence of pets in HSUS advertising, HSUS does not run a single pet shelter anywhere,” the complaint said. Adding that there is significant confusion between HSUS and the many humane societies that operate pet shelters in local communities.

Aside from false infor-

mation about the group’s fundraising efforts, CCF says that, “Additionally, online HSUS advertising has exploited the name confusion between HSUS and local humane societies. One ad asked people to donate their used vehicle to ‘the Humane Society,’ without specifying it was the Humane Society of the United States. This perpetuates the confusion.”

The complaint cites internal polling done by HSUS in 2011 that found that two-thirds of its donors believed their money

was going toward shelters. To read the full complaint by CCF, visit tinyurl.com/CCF-HSUS-Complaint.



AUCTIONS

Both auctions will be located at KS National Guard Armory: 721 Levee Dr — MANHATTAN, KS
HUGE BLDG MATLS. AUCTION

SATURDAY, JANUARY 13 — 11:00 AM

Featuring: Three Semi Truck loads, huge selection of New Kitchen cabinets, Granite counter tops, interior and exterior doors, windows, hardwood and tile flooring, lumber, lighting, Sinks, faucets, vanities, Appliances all from major distributors. We will also have overstocks from a local lumber yard here in Manhattan and much, much, more.

Auctioneers Note: If you’re looking for materials to remodel your kitchen or rental don’t miss this auction. We have sample pictures on website that we have had in the past auctions.

SUNDAY, JANUARY 14 — 11:00 AM

Two Estates, Seized assets from Riley Co. Police Dept. Vehicles from KSU Agronomy, large coin collection, furniture, household, antiques, collectibles and gardening items, much much more. Watch website for updated information and pictures.

Auctioneers Note: Two outstanding Auctions. We will be adding more as we get closer to auction day. Concessions will be available both days. Adding more each day. Keep an eye on our website at Ruckertauctions.com

Terms: Cash, Good Check will be accepted for payment. announcements made day of sale take precedence over previous printed materials. 10% buyers premium will be in effect. All items must be paid for before leaving.



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

www.RuckertAuctions.com
& Check us out on Facebook

Proven, Solid, Dependable!

CLEARY BUILDING CORP.

• More than 107,000 Buildings Sold Since 1978

• Best Warranties in the Industry



BUILDING SPECIALS!

30'x56'x15' • \$16,993
42'x64'x16' • \$24,015
60'x104'x17' • \$51,007

CONTACT US FOR A FREE CONSULTATION!

Roca, NE • 402-420-0302
Garden City, KS • 620-271-0359
Salina, KS • 785-515-5800
Ottawa, KS • 785-242-2885
Wellington, KS • 620-326-2626

ClearyBuilding.com • 800-373-5550

FEATURING:

Clipay FABRAL

Building pictured is not priced in ad. Crew travel required over 50 miles. Local building code modifications extra. Price subject to change without notice.

Call us for Catalogs, Sale Flyers, Magazines, Calendars, Brochures, Books, Newspapers. Ask for Sandra

AG PRESS

7 8 5 - 5 3 9 - 7 5 5 8

Land Auction

160 acres of Coffey County pasture

Auction Date - Monday, January 22, 2018 at 7 pm
Auction Location - Gridley Community Building

Property location: Property location: Located between Gridley and Lamont one-half mile south of Highway 57 / 58 on Angus Road

Legal Description: The Southwest Quarter (SW/4) of Section 26-22-13, Coffey County, Kansas. 2017 Real estate taxes \$581.44. All of seller's mineral rights will transfer to buyer and are thought to be intact. No active production on the sale property, but there is active production on adjoining properties.

Property Description: A quality grazing property with a good stand of native grasses; open with no trees or brush; three ponds; perimeter fence in generally average condition. Soil types: Olpe gravelly silt loam 3-15% 6e and Kenoma silt loam 1-3% 3e. Gravel road frontage along the west and dirt trail along the south.

160 acre quality grazing property
Well managed pasture with 3 ponds

Seller: The Loren M. Strahm and Liseten M. Strahm Trust

Agent Note's: This is a good pasture for either cow or stocker grazing. The grass has been well managed and there is hardly a tree on the property. The three ponds were cleaned out a few years ago. Gravel was excavated from a couple of the hilltops several years ago. An old abandoned Missouri Pacific railroad bed runs through the property.

Contact agent for private showing.
See website for images, terms, and conditions.

- \$20,00 earnest money. Balance at closing.
- Possession at closing on or before February 23, 2018.
- Title insurance and closing fee will be shared equally
- Buyer will be responsible for the 2018 real estate taxes
- All announcements on auction day take precedence
- Agents represent the sellers (not the buyers)
- Not responsible for accidents
- Seller reserves the right to accept / reject any & all bids
- Prospective buyers should complete own investigation
- Sale is not subject to buyer financing or inspections.

www.swiftnsureauctions.com
Swift - N - Sure Auctions & Real Estate
Brian Landis 620-256-6753
Victor Edelman 620-366-0339



2018 Crop Health Workshop to cover agronomy essentials

Pinnacle Crop Tech's 13th Crop Health Workshop ("Agronomy Essentials"), on January 29, 2018, is a continuation of a series of Workshops that provide an interactive setting for putting practical agronomy information in the hands of no-till farmers, agronomists, and researchers from Kansas, Nebraska, Oklahoma, Colorado, Texas, the Dakotas, the Canadian prairie provinces, and Australia.

Speakers include Matt Hagny, with 24 years of experience dedicated exclusively to continuous no-till in Kansas, Oklahoma, and farther abroad. Hagny has been a driving force behind bringing no-till to Kansas and the north-central Oklahoma region, and making it work. He stresses developing ways to increase profits or reduce risk with minimal additional cost or labor, and with his 'steady at the helm' stance on improving — not degrading — the soil.

The workshop will cover numerous topics, including coping with herbicide-resistant weeds (especially triazine/ALS/glyphosate-resistant Palmer pigweeds, as well as glyphosate-resistant kochia, marehail, and waterhemp). This year's agenda will take extra time to spell out the options of dealing with Palmer amaranth, which has become a major menace now that glyphosate-resis-

tant biotypes have swept across the region.

The workshop will discuss what amount of mulch cover is optimum, and how crop rotations can be planned around this (and a couple dozen other factors) to enhance yields while reducing production risk. Hagny says, "Cover crops can increase mulch cover, or reduce it, depending on the species chosen and how they are planted and managed. Used appropriately, cover crops can be an economic benefit, although there's also the opportunity to go backwards." Hagny continues, "There's a lot of disinformation out there about cover crops reducing fertilizer costs. In many cases, that simply isn't true—at least not out here on the Great Plains where decomposition is relatively slow, and leaching less of a problem than back East. And if the cover crop is a grass species, which it usually should be in these regions where we can't keep enough mulch cover, this really compounds the problem of nutrient deficiencies in the following cash crop."

The workshop also brings in Leland Baxa, Aurora Co-op (Neb.), who Hagny says is "a highly regarded, straight-talking agronomist, and staunch no-till advocate and good teacher of those practices." Baxa has immense experience from 22 yrs spot-checking fields in northwest Kansas, southwest Nebraska, Colorado, and western

Oklahoma. Despite working quite apart from each other, Baxa & Hagny have reached similar conclusions on many topics.

Co-host John Grove, Ph.D, at University of Kentucky, will bring his tremendous knowledge of soil properties, fertilizers and chemistry to the workshop, with most of his research in the past couple of decades being in continuous no-till, including looking at crop rotations and crop establishment. Grove and Hagny will also provide a report on the research that's been done on various fertilizer 'enhancement' products and biologicals, and whether any of them are profitable to use.

Various detailed handouts are provided. Complete list of topics at www.agronomypro.com.

The Workshop runs from 9 a.m. to 6 p.m. on Monday, January 29, 2018 at the Drury Plaza Hotel, Wichita, with a noon meal, snacks, coffee, tea provided. Tuition is \$200/person in advance, or \$275 if received after January 17th. To enroll, payments by check may be mailed to Pinnacle Crop Tech Inc., P.O. Box 298, Kechi, KS 67067-0298, or pay by credit card by calling 316-303-2040 (credit card payments will have a \$7.65 convenience fee added). Enrollment is limited to 150 people.

Outdoor pets need extra care for cold winter days

Dogs and cats that spend most of their time outdoors will need a little preparation before the brunt of winter arrives. Paying attention to a few

basic needs, and watching out for three hazards can make cold weather almost comfortable.

The first basic need is shelter. For dogs, this

can be a sturdy doghouse that you build yourself, or purchase from a retailer. "They need a dog house that's not overly big — just big enough for them to get up and turn around in comfortably," says Susan Nelson, a veterinarian and clinician at Kansas State University's Veterinary Health Center. "If it's too big they lose heat to all that empty space."

Make sure the opening faces away from cold winter winds (in Kansas, that's probably east or southeast). A flap of some sort should hang above the opening. For the inside, Nelson is a big fan of clean hay or wheat straw. "Dogs can nestle down into it, and it helps conserve their body heat better," she says. Cats (especially those hardy farm cats) are generally more self-sufficient, but it doesn't hurt to provide a sturdy box or crate for them, too.

The second major need for outdoor pets is a source of clean, unfrozen water. "Water is going to freeze in the winter, so the pets can actually get dehydrat-

ed in the winter just like they can in the summer," Nelson says.

Electric-heated water dishes and bowls are both safe and inexpensive, ensuring that the water inside them is always above freezing, ready to drink. Otherwise, Nelson says fresh, very warm water must be added to the water bowl at least twice a day. "The water shouldn't be very hot, or boiling — but warm enough to stay liquid for an hour or two."

Animals that stay outside on cold days and nights are going to burn extra calories just maintaining their body heat, so they will need extra food added to their meals during the winter months.

Lastly, remember that even with the best food, water and shelter, some days and nights will just be too cold for even the hardiest animals. On these occasions, a comfortable box in the corner of the garage or barn will be enough to keep your pets safe and healthy. "Dogs that are outside 24/7, if you bring them indoors they

may actually get too hot because they have a heavy winter coat on them," Nelson says. "So we need to give them some extra shelter, but not so much that they get overheated."

In addition to providing basic needs, there are also some extra hazards to be mindful of, in and around the home.

Winter is when many of us add antifreeze to our vehicles. For reasons not entirely known, dogs and sometimes cats are drawn to this toxic liquid. If dogs ingest even a small amount of antifreeze dripped onto the pavement, the chemical can lead to renal failure, crystalizing inside the kidneys, frequently leading to death. If working with antifreeze in your garage or driveway, make sure you wipe up even the smallest drops. "If you're out walking your dog, don't allow him to drink out of puddles in the curbs," Nelson cautions, "because sometimes cars that have been parked there have leaked antifreeze or oil into the water standing there."

For cats, there's a special hazard that is unique to them: the car or truck that has just been parked. The warm engine can pro-

vide a cozy place for a nap, with cats sometimes climbing up into the engine compartment to nestle on or near the engine block. Fan blades can lead to injury or death when the vehicle is started. During winter, before starting your vehicle, bang on the hood a few times, and honk the horn before you turn the key. "Hopefully any cat that is nestled in there will skid out before any damage can be done from the motor," Nelson says.

Colder weather tends to bring rats and mice into homes, and homeowners sometimes choose to use poisonous baits to control these pests. It's critical to ensure that toxic rat and mice poison remains well out of reach of dogs and cats. For cats who like to keep up their hunting skills, there's the added danger of secondary poisoning — the cat eats the rat that ate the poison. "There have been a lot of advances in the packaging of these rodent poisons over the years; however, they are still not totally pet-proof," says Nelson.

"If you have a pet in the house we really discourage using any kind of a rat poison — it can cause a lot of problems for them."

Since 1954

GRASS & GRAIN

Published by **AG PRESS**

**ARRIVING IN KANSAS
MAIL BOXES SINCE 1954...**

Since 1954

GRASSANDGRAIN.COM

...ONLINE SINCE 2007.

Creep feeding beef calves increases your profits!

Key 16 Calf Creep Pellet is recommended 30 to 60 days before weaning. The extra weight gain will produce \$25 to \$50 return per calf over creep feed costs.

Delivery in bulk or bags is available. Contact your local Key Feeds representative.



FEED

FEEDS

**Fourth & Pomeroy
Associates, Inc.**

1-800-432-7423 OFFICE

Clay Center, Kansas 67432
BYRON THORESON • 785-630-0161

Minneapolis Location: JAMES CARR • 785-630-0491
Tipton Location: TIM WILES • 785-630-1049
ROD BOHN, GM • 785-630-0846

JC LIVESTOCK SALES INC.

Wednesday Sale, Hogs NOON • Cattle 12:30 PM

UPCOMING SALE SCHEDULE

We did NOT have a sale Wednesday, Dec. 27

Back to Regular Schedule: Wednesday, Jan. 3, 2018!

*Wishing Everyone a
Happy New Year in 2018!
The Langvardts
and JC Livestock Sales*

CONSIGNMENTS FOR WEDNESDAY, JANUARY 3:

80 Angus X str & hfrs 600-750 lbs.
100 Angus X str & hfrs... 600-750 lbs.
65 blk X str 900-950 lbs.
110 Ang X Str/Hfrs..... 500-700 lbs.Weaned, Vacc.
70 Ang X Strs 775-850 lbs.
120 mix Strs 850-900 lbs.
60 Blk X Strs..... 900-925 lbs.

CONSIGNMENTS FOR WEDNESDAY, JANUARY 10:

- 438 Angus & bwf bred cows, 2-9 years
- 87 rwf bred cows, 5 & Up
- 24 Reg. Angus Bulls (Harms Genetics)
- Complete Dispersal of the Mashed O Ranch
- All females were raised on the Ranch
- Bulls will be semen & trich tested
- Bulls turned in May 9th for 60 days

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

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

KARL LANGVARDT
Cell: 785-499-2945

MITCH LANGVARDT
Cell: 785-761-5814

LYNN LANGVARDT
Cell: 785-761-5813

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

There was NO Sale Tues., December 26!

Back to Regular Schedule, Tuesday, Jan. 2, 2018

**Happy New Years
from the
Langvardts and
Clay Center Livestock Sales**

CONSIGNMENTS FOR SHEEP & GOAT SALE, JANUARY 6:

30 bred Hair ewes, 3-4 yo for Spring lambs
1 white Dorper lamb

PLUS MANY MORE BY SALE DAY!

AG PRESS
785-539-7558

Call us for:
Catalogs • Sale Flyers • Magazines
Calendars • Brochures • Books • Newspapers
Ask for Sandra

EMPORIA LIVESTOCK SALE CO.

Bonded & Insured

SALE EVERY WEDNESDAY IN EMPORIA, KANSAS AT 11:00 AM
620-342-2425 or 800-835-7803 toll-free • Fax: 620-342-7741

THERE WAS NO SALE DECEMBER 27th

EARLY CONSIGNMENTS FOR JAN 3rd

- 14 blk & red Angus bred hfrs, AI bred to Angus LBW bulls to calve mid to late Jan.
- 44 red Angus X strs, 750-900 lbs
- 350 blk red & Char strs, 775-875 lbs
- 50 blk & bwf strs & hfrs, 875-950 lbs

EARLY CONSIGNMENTS FOR JAN 10th

- 350 blk red & Char strs, 775-875 lbs

ANNIVERSARY SALE JANUARY 17th

- 80 blk & blkwf strs & hfrs, 90 days weaned, 2 rds shots, McCabe & Hillhouse genetics, 500-700 lbs
- 20 red Angus strs & hfrs, longtime weaned & 2 rds shots, 500-700 lbs
- 63 blk & blkwf strs & hfrs, longtime weaned & 2 rds shots, 500-700 lbs
- 50 blk & red str & hfrs, longtime weaned & 2 rds shots 600-700 lbs
- 30 red Angus strs, longtime weaned 600-700 lbs
- 36 blk & red strs & hfrs, longtime weaned 600-800 lbs
- 20 blk strs, longtime weaned & 2 rds shots 650-750 lbs
- 20 mostly blk hfrs, longtime weaned 650-750 lbs
- 8 blk hfrs 750-800 lbs
- 62 blk & red strs 750-825 lbs
- 350 blk red & Char strs 775-875 lbs
- 160 mostly red Angus strs 850-925 lbs

THANK YOU FOR ALL OF YOUR CONTINUED SUPPORT!
YOUR BUSINESS ALWAYS APPRECIATED!

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



Yard & Garden Tips

By Gregg Eyestone

Quality of a Gardener's Life

This is the time of the year when most reflect on the past year. It can be a holistic view or broken down into separate areas of life. Gardening could be considered a rounded approach to life. Here is some of the good that comes from a year of gardening that builds on a quality of life.

Studies demonstrate that plants play an integral role in our well-being. This interaction with plants is deeply beneficial to humans. The growing prevalence of depression caused by "nature deprivation" is largely due to the increased time spent indoors using electronic devices. Apart from meeting some of our most basic needs of food and oxygen, nature relaxes and refreshes us.

According to the Centers for Disease Control and Prevention (CDC),

moderate-intensity level gardening for 2.5 hours each week can reduce the risk for obesity, high blood pressure, type 2 diabetes, osteoporosis, heart disease, stroke, depression, colon cancer and premature death. Additionally, those that choose gardening as their moderate-intensity exercise are more likely to exercise 40-50 minutes longer on average than those that choose activities like walking or biking.

Nurturing plants benefit our environment in many ways. Plants take in carbon dioxide as they manufacture food thus helping to reduce the concentration of greenhouse gases. Gardens help to reduce soil erosion by slowing rainfall runoff and allowing it to infiltrate more slowly into the ground. Additionally, gardens tend to serve as a food source and

gathering place for many types of wildlife such as butterflies and birds.

It is without a doubt that your gardening in the past and future is beneficial to you. I encourage all to do some gardening this next year. The Extension office will be providing opportunities for gardening instruction to enhance your efforts. Let's hope that the 2018 gardening season is a good one.

You can find out more information on this and other horticulture topics by going to the Riley County, K-State Research and Extension website at www.riley.ksu.edu. And you can contact Gregg Eyestone at the Riley County office of K-State Research and Extension at 110 Courthouse Plaza in Manhattan, by calling 785-537-6350 or e-mail: geyeston@ksu.edu

Starting out the New Year with a good deed

For those who resolve to help the community the coming year, there is an opportunity to do a good deed at Pioneer Bluffs, a historic Flint Hills ranch near Matfield Green.

"We invite everyone to join the fun," said Lynn Smith, executive director. "Retirees, children, families, and weekend parents work side by side on a variety of projects for just a few hours. It is amazing how much is accomplished."

The first volunteer workday of 2018 will be Saturday, January 6. The day begins at 8:30 a.m. with coffee and snacks while discussing the morning plans. At around 9:00 a.m., the group breaks into teams. The work ends at noon with lunch; Gavin Greenemeyer is preparing a meal that will include traditional black-eyed peas and cornbread.

A volunteer workday is held the first Saturday of most months, and each month is different. "In January we have indoor projects," continues Smith.

"We are taking down Christmas decorations, organizing youth program supplies, doing a little light cleaning."

The first Saturday volunteer workday is an opportunity to get out in the Flint Hills and enjoy time with family and friends. "This is the tenth year of our first Saturday tradition," says Smith. "It has been pivotal to restoration of this historic site. Volunteers sustain this family farmstead - they make it a place where children can step into the past, a community gathers to celebrate, and a way of life is preserved so visitors can remember what it feels like to 'come home.'"

An email with full details of each month's itinerary is sent in advance so volunteers know what to expect. Contact Lynn Smith at (620) 753-3484 or lynn@pioneerbluffs.org to be added to the volunteer email list or for information.

Pioneer Bluffs, on the National Register of Historic Places, is located

one mile north of Matfield Green or 14 miles south of Cottonwood Falls on Flint Hills National Scenic Byway K-177.

Fastline.com releases price comparison tool

Fastline Media Group is excited to release the Price Comparison tool on Fastline.com. The Price Comparison tool - the first of its kind in the ag equipment market - is designed to help buyers quickly compare items based on the prices of specific equipment listings from the most popular categories on Fastline.com. Equipment buyers will find the Price Comparison

Kansas hog inventory up ten percent

Kansas inventory of all hogs and pigs on December 1, 2017, was 2.10 million head, according to the USDA's National Agricultural Statistics Service. This was up 10 percent from December 1, 2016, and up 5 percent from September 1, 2017.

Breeding hog inventory, at 165,000 head, was unchanged from December 1, 2016, and unchanged from last quarter. Market hog inventory, at 1.94 million head, was up 11 percent from last year, and up 5 percent from last quarter.

The September-November 2017 Kansas pig crop, at 896,000 head, was up 3 percent from 2016. Sows farrowed during the period totaled 83,000 head, up 1 percent from last year. The average pigs saved per litter was a record high 10.80 for the September-November period, compared to 10.60 last year.

Kansas hog producers intend to farrow 82,000 sows during the December

tool helpful with choosing the right piece of equipment at the right price.


"2018 is going to be an exciting year for Fastline. This is just the first of many innovative features coming to our digital platform," said Susan Arterburn, marketing director.

Along with the Price Comparison tool feature comes an easier way to access the full and added benefits of a Fastline.com

account. Visitors can now log into Fastline.com with a Facebook account. By using a Fastline.com account they will be unlocking new features on Fastline.com such as alert notifications on saved equipment listings via email and text, and more search customizations.

Contact Fastline Media Group at custcare@fastline.com or 800-626-6409 with questions.

March-May 2018 quarter are 85,000 sows, up 6 percent from the actual farrowings during the same period the previous year.



Central Livestock
811 N. Main St.
South Hutchinson, Ks

www.centrallivestockks.com

Office: 620-662-3371
or Matt Hoffman (Owner): 620-727-0913
Hay Auction- Every Tuesday at 9:00 a.m.
Cattle Auction- Every Tuesday at 10:00 a.m.
Hog/Sheep/Goat Auction- Every 3rd Saturday
Horse/Tack Auction- Every 1st Saturday

Sat., Jan 6th- Horse & Tack Sale
Tues., Jan 9th- Calf/Yearling Special
Sat., Jan 20th- Hog/Sheep/Goat Sale
Tues., Jan 21st- Holstein Special

BELLEVILLE 81 LIVESTOCK SALES
Junction Hwys 36 & 81 Belleville, Kansas

CATTLE SALES EVERY FRIDAY • 10:30 AM

SPECIAL FEEDER SALE
FRIDAY, JANUARY 5:
150 blkred 550-750 lbs; 74 str 800-950 lbs; 45 hfrs 700-800 lbs; 100 blk 700-800 lbs; 150 bwf 600-775 lbs; 57 blk 650-800 lbs.

SPECIAL FEEDER SALE:
FRIDAY, JANUARY 12. CONSIGN NOW!

FRIDAY, JANUARY 19:
Total Disp. for Dean & Linda Krueger, Reynolds, NE, 402-768-2427, 60 blk cows + 25 blk hfrs, 1200 lbs, all bred blk, calf Feb.-March, all homeraised. Very nice set of gentle reputation herd selling. Plus many Feeders also.

Happy New Year to everyone!
Thanks for a great 2017, looking forward to 2018!

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

THE LATEST FARMING
INFORMATION IS IN

Since 1954



GRASS & GRAIN

Published by AG PRESS



CALL (785) 539-7558

EL DORADO

LIVESTOCK AUCTION, INC.

316-320-3212

Fax: 316-320-7159

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

We were closed Dec. 28 for Christmas!
*Enjoy your Families this Christmas Season
& we will see y'all January 4th, 2018!*

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
To stay up to date on our latest announcements you can "Like" us on Facebook

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

Cattle Sale Every Thursday 11:00 AM

VALENTINE LIVESTOCK
AUCTION CO. Valentine, Neb.
THURSDAY, January 4, 2018
Special Feeder & Replacement Female Sale
S.T. 11:30 p.m. Expecting 4,000 head

Steers:

383 ...angus (288 hd) & char-x (95 hd) Sitz & Rocking Arrow genes.....	600-725#	Ramm Rn (Tom, Shelby & Peyton)
200 ...blk Lenegray genes.....	700-750#	Dean Livermont & Sons
200 ...blk NI top of 500.....	600-750#	Moore Ranch
200 ...blk, blk-x Nic Risse genes.....	625-750#	Mike Mosher Family
150 ...angus & blk NI A.I. genes.....	750-800#	Shawn & Rod Klein
140 ...angus NI NHTC.....	800-925#	Littau Angus
140 ...blk, blk-x.....	800#	L & C Cattle Co
130 ...blk NI hayfed, Logterman genes.....	600-725#	Elliott & Cindy Yinglin
70 ...blk top end.....	725-750#	Vandermeij Cattle & Grain
85 ...angus & blk yrs of A.I.....	500-650#	Steve & Kim Crowe
40 ...blk.....	750#	Schumacher Rn Prop.
100 ...rd angus NI.....	650-700#	Gary Macleod
110 ...blk str NI thin.....	500-600#	John & Cort Hamilton

Steers & Heifers:

75 ...angus & blk hfrs B.V. yrs of A.I. breedable.....	500-650#	Steve & Kim Crowe
90 ...angus & blk hfrs NI NHTC Littau genes.....	550-650#	Klein's Happy Acres
100 ...blk hfrs Image mkr, ND878.....	600-650#	Dan & Lori Naber
200 ...angus (120s-80h) NI Derry genes-hfrs breedable.....	600-700#	Brett & Lee Galbraith
74 ...blk & ang (37s-37h) NI drugfree, hayfed, hfrs not topped ..	700-850#	Howard Schmidt
200 ...angus & blk (150s-50h) NI.....	600-725#	Byron Cox
193 ...angus (153s-40h) NI.....	500-675#	Krueger Cattle Co
130 ...blk & angus (80s-50h) NI A.I. genes/Predestined.....	550-700#	Matt Vandermay
90 ...blk & angus.....	600-750#	Gary Travnicsek
58 ...blk.....	825-900#	Jim Farley
50 ...blk & angus NI hfrs B.V./ str drugfree.....	550-750#	Chad Kallenbach
38 ...blk NI.....	600-650#	Jason & Maggie Cox
20 ...angus hfrs B.V. Kraye genes.....	725-750#	Doug & Anthony Deibler

THURSDAY, January 11, 2018
Special Feeder Sale
S.T. 11:30 p.m. Expecting 5,400 head

Steers: Super lineup of grass replacement!

300 ...blk (8 rd) NI hayfed.....	400-600#	Prairie View Rn
300 ...blk, bwf simm-x (4 rd).....	525-650#	Nielsen L & C
250 ...Blk & Ang May Born.....	550-650#	Jeff Johnson
190 ...blk NI.....	500-650#	Bob & Jody Dexter
130 ...blk (5 x-bred).....	525-600#	Tara Bryant
300 ...blk NI.....	550-725#	B Adamson/R Adamson Fam
290 ...blk NI cake & hay.....	550-675#	G & A Davis/R Adamson Fam
208 ...blk, blk-x (1 rd) top end of 530.....	750-800#	Sunny Slope Rn
200 ...blk (60 rd) NI.....	600-660#	Moore Ranch
200 ...blk, bwf NI Schaff sired.....	600-700#	Bachelor Rn/Eagle Valley
75 ...blk.....	700#	Vandermeij Cattle & Grain
100 ...blk.....	600#	Harland, Nick & Richard Schunk
98 ...blk.....	625-700#	Brad Pisha
75 ...Ang NI A.I. genes.....	700#	Kurt Stolzenburg
140 ...blk NI.....	550-600#	Larry, Danny & Craig O'Kief
85 ...Ang, blk NI Matt Spitton sired.....	575-700#	Barb Sebesta

Heifers:

100 ...blk B.V. NI breedable Risse & Nichols genes.....	600-675#	Kevin Vandermay
64 ...Ang, blk NI hfrs not topped Matt Spitton sired.....	550-650#	Barb Sebesta
73 ...Angus NI breedable- Minert, M Sitz & Green Valley sired.....	635-725#	Clayton & Cole Gurney
260 ...blk Angus sired.....	600-700#	JP Partners
200 ...blk NI Angus sired Mill Bar, Joseph & TK 500-650#		Rothleutner F.P.
202 ...Char-x (129) & Ang (73) Sitz & Rocking Arrow genetics.....	500-600#	Ramm Rn (Tom, Shelby & Peyton)

150 ...blk, bwf simm-x (4 rd) NI..... 500-600# Nielsen L & C

90 ...blk & Angus NI NHTC..... 550-650# Klein's Happy Acres

80 ...bwf (F-1) (rwf) B.V..... 500-600# Judd Schomp

75 ...blk, blk-x..... 725# L & C Cattle Co

52 ...blk NI tame..... 650-700# B & K Ranch (Cwachs)

50 ...blk NI..... 500-575# Elliott & Cindy Yinglin

Steers & Heifers:

120 ...Angus (70s-50h) hfrs breedable on 30 hd550-700#..... Nick & Gina Risse

139 ...Angus & blk (82s-57h) NI cake & rAnge..... 575-700# Doug & Shirley Kroeger

140 ...rwf (F-1) NI hay & cake..... 525-600# Lytle Phillips

140 ...Ang, blk (90s-50h) NI..... 550-675# Travis & Brad Mundorf

100 ...rd, rwf (F-1) NI hay & cake..... 500-600# Tim & Lori Allen

75 ...blk NI cake & rAnge..... 475-550# Robert Tate

41 ...Char-x..... 550-600# Rocking Arrow & M Churchill

40 ...blk NI..... 575-600# Cyrus & Leroy Wolfenden

Plus more from Anker, Foster, Elsasser, Stoner, Schied

View our special sales online @ cattleusa.com
Office: 1-800-682-4874 or 402-376-3611
Greg Arendt, Mgr., C: 402-376-4701 Greg Nielsen, Fieldman, C: 402-389-0833
For complete listing visit our website: www.valentinelivestock.net

Beatrice Livestock Sales

1ST CALF & BRED COW SPECIAL!

THURSDAY, JANUARY 11 • 11 AM SHARP!

FIRST CALF BRED HEIFERS

- 42 Blk-Red 1st Calf Bred Hfr Calve Feb-Mar, Pelvic Measured, Vacc, Dbl Scour Guard Bred Red Ang, MushRush Apollo, CED 13, BW -2.1, YW 101, MushRush Legend, CED 15, BW -2.7, YW 77
- 60 Blk-Bwf 1st Bred Hfr Calve Jan 25, Scour Guard, Pelvic Measured, Poured, Vacc Rippe Blk/Gelb & Gilliam Blk Ang Bull Bred
- 45 Blk 1st Calf Bred Hfr Calve mid Feb, Vacc, Dbl Scour Guard Connealy & Power Tool Blk Ang Bull Bred
- 34 Red Ang 1st Calf Bred Hfr Calve Feb 15 (10) Rwf, OCV, Pelvic Measured, Dbl Scour Guard A I'd ABS Fusion
- 45 Blk 1st Calf Bred Hfr Calve Feb 15, Scour Guard A I'd to Right Answer Blk Ang
- 10 Blk-Red 1st Calf Hfr Calve April 12 A I'd Connealy Right Answer, WW 62 - YW 113, Clean-up Red Ang
- 15 Blk/Bwf 1st Calf Bred Hfr Calve Feb 18, OCV, Vacc, Scour Guard, Pelvic Measure A I'd ABS Var Reserve 1111, CED 8, BW =0.4, YW +90, Clean-up Herbster Sportsman Son
- 48 Blk Ang 1st Calf Bred Hfr Calve Feb 18, OCV, Vacc, Scour Guard, Pelvic Measure A I'd SAV Bruiser 9164, CED 12, BW +0.3, YW +123, Clean-up Herbster Sportsman Son
- 10 Blk 1st Calf Bred Hfr Calve Feb 9, Pelvic Measure, Vacc, Scour Guard Bred Lienemann Blk Ang, CED 12, BW .9, YW +88
- 10 Red Ang 1st Calf Bred Hfr Calve Feb 12, Vacc, Scour Guard, Pelvic Measured A I'd Red Ang Redemption or Independence, Clean-up Tyson Son
- 10 Bwf 1st Calf Bred Hfr Calve Feb/Mar A I'd Blk Ang Weers Bextor 062, .9 CED, +.4 BW, +83 YW, clean-up Lafflin Ang
- 20 Blk-Bwf (F-1) 1st Calf Bred Hfr Calve Jan 24, 45-Day Period, OCV, Vacc, Poured, Wormed, Scour Guard Bred Klein Blk Ang
- 26 Blk-Red Ang 1st Calf Bred Hfr Calve Mar 1/April 15, OCV, Pelvic Measured, Dbl Scour Guard Bred Red And Sons of Ultimate, Fusion or Impressive
- 14 Blk-Red Ang 1st Calf Bred Hfr Calve May 19/June 30, OCV, Pelvic Measured, Dbl Scour Guard Bred Red Ang son of Ultimate
- 26 Red Ang 1st Calf Bred Hfr Calve Feb 1, 45-Days, OCV, Vacc, Scour Guard Bred Beckton Red Ang
- 12 Blk 1st Calf Bred Hfr Calve Feb 1, Vacc, Dbl Scour Guard Bred Lafflin Blk Ang

BRED COWS

- 50 Blk Bred Cows • Dispersal, Bred Blk Ang or Blk Balancer, Calve Feb 1 (Hfr), Feb 20 (Cows), (6) 1st Calf, (31) 3-6 Yr Old, (12) 6-8 Yr Old
- 7 Blk-Red Bred Cows, Calve Feb 1 - June 1, Bred Blk
- 8 Blk Bred Cows, Calve Feb 21, Bred Niveen Simm/Ang
- 25 Blk-Bwf Bred Cows Calve Mar 15, Bred Blk or Red Ang, Vacc Vibro/Lepto, Dbl Scour Guard 3 Yr Old

FOR CONSIGNMENTS GO TO: WWW.BEATRICE77.NET

North Hwy. 77 - Beatrice, Ne.
SALE BARN, 402-223-3571

DENNIS HENRICHS GALE (SLIM) HARDIN RICK JURGENS
402-239-8741 402-520-2911 402-520-0350

Eastland receives certification in advanced training

Cleary Building Corp. would like to congratulate Jason Eastland, branch manager at the Ottawa sales and construction office, on receiving his Masters of Branch Administration certification from Steel Wood University.

Steel Wood University is an extensive training program designed to teach both new and veteran employees the fundamentals of success

at Cleary Building Corp. The week-long course includes training on leadership, accountability and customer service.

Cleary Building Corp. is a nationwide leader in customized pre-engineered buildings. Building applications include commercial, residential, suburban, farm and equine facilities along with metal roofing and re-roofs. The buildings consist of a wood frame

with pre-painted steel panels used for roofing and siding. Cleary Building Corp. is proud to offer a lifetime paint warranty. This type of building provides for a long-lasting, low-maintenance and cost-effective structure.

Cleary Building Corp. is a family-owned company in business since 1978. The Corporate World Headquarters office and manufacturing plant are located in Verona, Wis.

Additional manufacturing facilities are located in Grand Island, Neb. and Hazelton, Idaho. Cleary

Building Corp. employs over 800 full-time employees throughout the United States.



Pictured, from left, are: Jason Eastland, branch manager at the Ottawa sales and construction office and Brian Ransom, Cleary general manager of East Operations.

Don't Forget To Visit G&G Online!

The Grass & Grain homepage offers free services available to all readers — print and online.

- Online classified ad placement
- Online Subscription Service
- USDA Market Reports
- Online Edition
- Archived Editions

Go To grassandgrain.com

Grass & Grain Weather Report

Jan. 3, 2018

Seven Day Forecast

WEDNESDAY

Mostly Sunny

High: 17 Low: 2

THURSDAY

Partly Cloudy

High: 15 Low: 4

FRIDAY

Mostly Sunny

High: 19 Low: 6

SATURDAY

Mostly Cloudy

High: 24 Low: 9

SUNDAY

Partly Cloudy

High: 28 Low: 13

MONDAY

Sunny

High: 33 Low: 18

TUESDAY

Mostly Cloudy

High: 39 Low: 24

In-Depth Local Forecast

Today we will see mostly sunny skies, high of 17°, humidity of 64%. North wind 8 to 11 mph. The record high for today is 68° set in 1997. Expect partly cloudy skies tonight, overnight low of 2°. East wind 3 to 8 mph. The wind chill for tonight could reach -6°.

Last Week's Almanac

Date	Hi/Lo	Normals	Precip
12/22	34/27	41/20	0.00"
12/23	30/18	41/20	0.00"
12/24	28/11	41/20	0.06"
12/25	27/14	41/20	0.00"
12/26	13/6	42/20	0.00"
12/27	19/-4	42/20	0.00"
12/28	35/19	42/20	0.00"

Rainfall 0.06"

Normal rainfall 0.14"

Departure -0.08"

Average temp. 19.8°

Average normal 30.7°

Departure -10.9°

Today's Local Outlook

Washington 21/6

Blue Rapids 15/-1

Seneca 13/-2

Clay Center 18/1

Mahattan 17/2

Wamego 17/1

Ogden 21/6

Junction City 19/2

Abilene 20/2

Council Grove 19/4

This Week's Sun & Moon Chart

	Day	Sunrise	Sunset	Moonrise	Moonset
Last 1/8	Wednesday	7:46 a.m.	5:16 p.m.	7:30 p.m.	9:02 a.m.
	Thursday	7:46 a.m.	5:17 p.m.	8:40 p.m.	9:50 a.m.
	Friday	7:46 a.m.	5:18 p.m.	9:49 p.m.	10:32 a.m.
	Saturday	7:46 a.m.	5:19 p.m.	10:55 p.m.	11:08 a.m.
	Sunday	7:46 a.m.	5:20 p.m.	11:58 p.m.	11:42 a.m.
New 1/16	Monday	7:46 a.m.	5:21 p.m.	Prev Day	12:13 p.m.
	Tuesday	7:45 a.m.	5:22 p.m.	12:59 a.m.	12:43 p.m.

Local UV Index

0-2

3-5

6-7

8-10

11+

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

Weather History

Jan. 3, 1777 - An overnight freeze enabled George Washington and his troops to flank the British at Trenton, cross their lines at Princeton and seek security in the hills of northern New Jersey.

Growing Degree Days

Date	Degree Days	Date	Degree Days
12/22	0	12/26	0
12/23	0	12/27	0
12/24	0	12/28	0
12/25	0		



Sell

Or Buy

At

Cattle

By

Auction

St.

STARTING TIME

10:30 AM

Marys

Tuesdays

ALL OF US AT REZAC LIVESTOCK WISH YOU A HAPPY & PROSPEROUS NEW YEAR!
THANK YOU For Helping Us CELEBRATE 70 YEARS Of BUSINESS.
We Look Forward to Serving Your Marketing Needs In 2018!

THERE WAS NO SALE DECEMBER 26

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

CONSIGNMENTS FOR JANUARY 2:

• 80 blk steers & heifers, 600-750 lbs., weaned, vacc.

• 50 blk str & hfrs, 500-700 lbs., weaned, vacc.

• 80 blk str & hfrs, 550-750 lbs, weaned, vacc.

• 38 black Charolais steers, 825-850 lbs.

• 60 Hereford bwf str, 825-850 lbs, homeraised

• 75 black heifers, 700-725 lbs.

• 60 Angus steers, 800-825 lbs.

• 60 blk Char steers, 875-900 lbs

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

FOR INFORMATION OR ESTIMATES:

REZAC BARN

ST. MARYS, 785-437-2785

DENNIS REZAC

ST. MARYS, 785-437-6349

DENNIS' CELL PHONE

785-456-4187

KENNETH REZAC

ST. MARYS 785-458-9071

LELAND BAILEY

TOPEKA, 785-286-1107

LYNN REZAC

ST. MARYS, 785-456-4943

REX ARB

MELVERN, 785-224-6765

Livestock Commission Company, Inc.

St. Marys, Ks.

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

Website: www.rezaclivestock.com

AUCTIONEERS: DENNIS REZAC & REX ARB

GRASS & GRAIN

CLASSIFIEDS

FOR ALL YOUR ADVERTISING NEEDS

785-539-7558