



# Schwieterman Market Outlook

A marketing commentary by Bret Crotts

Friday was a pretty eventful day in the world of agriculture markets and in a number of other markets as well. In the grain markets we got to deal with USDA's release of the January Supply and Demand Report, the Quarter Stocks Report, and the Winter Wheat Seedings Report. None of those report did the market any good. Corn yield was raised to a new record high of 176.6 bu/ac, corn, wheat, and soybean ending stocks were all up from a month ago, and the Winter Wheat acreage was much higher than expected at 32.608 million.

On the positive side of things, soybean production was lowered and Winter Wheat acreage is still lower than last year. The

net result of all this information was that wheat posted a huge reversal lower, the soybeans posted a reversal higher, and the corn drifted down to a new contract low. Moving forward, we won't see any market moving information from the USDA until the end of March when we get the next Quarterly Stocks Report and the Prospective Plantings Report. The next two supply and demand reports probably won't be able to do much for the markets in one direction or the other unless we see a big change in demand. That being said, if you have to have something to hope for, hope that the falling dollar results in better export sales and better prices for com-

modities in general.

The Dollar Index reached the lowest level since February of 2015 on Friday, which helped to send metal markets higher, but didn't do much for the grains. Palladium made new all-time highs, and the gold and platinum made new multi-month highs thanks in part to the weakness in the dollar and also due to strong demand around the world. Lumber has made new all-time highs as well, which is related to a number of natural disasters we have seen, but also to the strong economy we are seeing. The stock market is simply relentless, and all things come to an end at some point, but we haven't even seen the full effects of the

tax cuts yet, so it is very hard to want to be against the bull market right now.

Looking at the grain charts, there isn't anything supportive to point to in the corn after the new contract lows Friday. Funds are carrying a very large net short position, and the fundamental outlook really isn't any different than it has been, so maybe the shorts will get bored and let the market bounce. If that doesn't happen we probably are stuck with a stagnant market until we get a weather scare.

Wheat had been our upside leader, but the plunge on Friday changed that. We have plenty of wheat on hand, but the condition of the new crop is not that great. It will take at least three more months of dry weather before anyone cares much about the weather in the HRW Belt, so the best hope for the bulls is better demand. Look for the March KW to fall back to the \$4.20 area before uncovering much technical support.

As for the soybeans, I

have to be impressed with the reversal higher and the good gains in the meal. One reversal does not a bull market make, but it is a great first step. Nobody has cared about South American weather lately, even though it has been less than ideal, but now traders may take a second look at Argentine acreage and yield potential. In the short run one should look for short covering to get the March beans back to \$9.75.

It wasn't a great week for the live cattle market in either the cash or futures, and the feeder cattle auctions were pretty rough as well. The cattle, which are often a very inflationary market, have shrugged off the rising stock market and falling dollar. By Friday it was looking like both the live cattle and feeder cattle futures had uncovered some decent support, so perhaps we are turning the tide. Right now I would look for the March feeders to climb back to the \$146 level very soon.

Schwieterman Marketing, L.L.C. specializes in risk management and cash grain and livestock marketing plans. For information on the markets or our marketing service you can contact Bret Crotts at 888-437-9131 or [bret@swbell.net](mailto:bret@swbell.net).

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## Northern corn leaf blight genes identified in new study

URBANA, Ill. – Midwestern corn growers know the symptoms of northern corn leaf blight all too well: greenish-gray lesions on the leaves that can add up to major yield losses if not detected and treated early. Resistance genes have been identified in corn, but the fungal disease has found ways to sneak around corn's defenses. Now, researchers have figured out how the fungus is outsmarting corn, and they may be able to use this information to help corn fight back.

"We were looking for genes in the fungus that trigger disease in corn. With this information, corn breeders could someday build more durable

resistance in future hybrids," says Santiago Mideros, plant pathologist in the Department of Crop Sciences at the University of Illinois.

In a new study published in the journal *Phytopathology*, Mideros and his colleagues identified two of the genes that cause disease in corn. But in order to understand the significance of the results, it's important to know how fungal and corn genes interact.

Several genes help corn resist different strains of northern corn leaf blight: Ht1, Ht2, Ht3, and HtN. These genes may signal proteins that protect the plant from attack by the fungus, but the exact

mechanism isn't known. Resistance breaks down – corn becomes susceptible again – when the fungus evolves to avoid detection by the plant.

"When you go through security at the airport, they're looking for weapons. In the same way, plants are looking for weapons that the pathogen has. But the pathogen can drop one weapon and pick up a different one – something the plant can't detect. But if it has another weapon, it's still going to be dangerous," Mideros says.

The interaction between corn and fungal genes has been known for decades, but until now, scientists didn't know the mo-

lecular makeup of those genes in the fungus, or where they were located in the genome. To obtain this information, the research team mated different strains of the fungus: one that causes disease on Ht1 corn plants, and one that doesn't. They then mapped the genes of the resulting progeny.

"Based on data from the progeny, we could detect which gene allows the fungus to cause disease," Mideros explains. They confirmed the location for one fungal gene involved in the disease, AVRht1, and found a candidate location for another, AVRht2. The researchers also identified molecular markers that should make identifying

disease-causing strains easier in the future.

"Now that we have molecular markers, we could sample the environment and find out which strains of the pathogen are out there. Eventually, farmers might be able to plant corn varieties that are resistant to specific pathogens present in their area," Mideros says.

Mideros emphasizes that much more work is needed to get to a future like that, but the first step is now out of the way.

The article, "Determinants of virulence and in-vitro development colocalize on a genetic map of *Setosphaeria turcica*," is published in *Phytopathology*. Mideros's co-authors

include Chia-Lin Chung from National Taiwan University; Jesse Poland from USDA-ARS; and Tyr Weisner-Hanks, Donliang Wu, Ariel Fialko, Gillian Turgeon, and Rebecca Nelson from Cornell University. The McKnight Foundation and the USDA Hatch Project supported the work.

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With the predicted ice and snow on Thursday, most all of our consignments cancelled for our Sale Friday, January 12. We did not have enough calves and yearlings to fully test the market. A larger run of weigh cows sold \$2-\$3 higher on the high dressing cows.

### STEER CALVES — 400-550 lbs

Wamego	4 blk	517@188.50
<b>STEERS — 550-1,025 lbs</b>		
Wamego	24 blk	602@167.00
Marion	2 blk	582@165.50
Leonardville	2 Cross	597@140.00
Burns	6 Hols	719@70.00

### HEIFER CALVES — 375-550 lbs

Oakland, NE	2 blk	347@161.00
Manhattan	4 blk	423@160.00
Wamego	2 blk	365@150.00
Wamego	2 blk	482@149.00
Council Grove	2 bwf	462@139.00
Manhattan	2 blk	542@132.50
Leonardville	2 Cross	452@132.50

### HEIFERS — 550-875 lbs

Marion	5 blk	556@144.75
Wheaton	7 blk	657@141.00
Manhattan	3 blk	780@130.00

### BULLS — 1,750-2,350 lbs

Westmoreland	1 rd Ang	1810@82.00
Manhattan	1 blk	1300@81.50
Westmoreland	1 blk	1760@81.00
Westmoreland	1 blk	2330@79.50

Riley	1 blk	2140@77.50
Alta Vista	1 blk	1955@76.50
Randolph	1 Char	1755@70.50
Manhattan	1 blk	2195@69.00

### COWS & HEIFERETTES — 1,000-1,925 lbs

Westmoreland	1 blk	1125@110.00
Westmoreland	16 blk	1341@107.00
Junction City	1 blk	1000@85.00
Westmoreland	1 blk	1460@71.00
Westmoreland	1 blk	1920@67.00
Westmoreland	1 blk	1705@65.00
Westmorealdn	1 blk	1460@64.00
Westmoreland	1 blk	1565@63.00
Oakland, NE	1 blk	1240@61.00
Axtell	1 blk	1400@60.50
Junction City	1 Hereford	1600@60.00
Onaga	1 blk	1780@59.50
Wamego	1 blk	1295@59.00
Frankfort	1 blk	1595@58.50
Junction City	1 blk	1515@56.50
Junction City	1 Heref	1700@55.00
Onaga	1 blk	1705@55.00
Junction City	1 blk	1265@55.00
Oakland, NE	1 blk	1275@49.50
Oakland, NE	1 blk	1145@46.50
Oakland, NE	1 blk	1110@46.00
Alta Vista	1 Hols	1490@44.50
Oakland, NE	1 blk	1060@44.00
Council Grove	1 blk	1270@43.00
St. George	1 blk	1165@41.00

## SPECIAL COW & BRED HEIFER SALE WED., JAN. 17 starting at 11:00 AM

This sale will feature 250 choice reputation Angus, Red Angus, Char, Herford, BWF, & Red Brockle Face, 1st Calf Hfrs. All are bred to LBW Bulls to start calving late January to mid-April. This will be a high quality set of 1st calf hfrs. Most are OCV & had Scourguard shots. Cow Calf Pairs include over 150 Angus and Red Angus Cross Cows from 2 years to Short and Solid with September-December calves by side. There will be over 250 Angus, Red Angus and Simm Angus Cows from 3 years to Short and Solid (most under 6 years of age). Bred to Angus, Red Angus and Simm Angus Bulls for early February-March calves. For a complete listing please visit our website [mcclivestock.com](http://mcclivestock.com) or call (785) 532-8381.

EARLY CONSIGNMENTS FOR JAN. 19

- 310 blk strs & hfrs, weaned, 2 rds shots, works, 500-800 lbs
- 100 Blk strs & hfrs, weaned Oct/ Spring shots, 600-700
- 75 choice reputation Angus strs & 45 Angus replacement quality hfrs, weaned Oct. 1, 2 rds shots, age & source verified, 600-750 lbs
- 30 blk strs & hfrs, long weaned, 500-650 lbs
- 27 blk strs & hfrs, 2 rd blackleg, 2 rd preposse, weaned 90 days, poured Ivomec @ weaning, 600-750 lbs
- 39 Angus strs & hfrs, 3 rds shots, weaned 90 days, 600-650 lbs
- 30 blk bwf strs & hfrs, 700-900 lbs
- 45 bwf, rwf & Herf, 35-strs & 10-hfrs, 2 rds shots, weaned 60 + days, 550-625 lbs
- 102 choice reputation Angus & Char Angus cross strs & replacement quality hfrs, 3 complete rds shots, 625-825 lbs
- 90 bwf & Herf strs & hfrs, 2 rds shots, long weaned, 500-600 lbs
- 59 choice home raised Fink genetic replacement quality hfrs, no implants, long weaned, 2 complete rds shots, 600-650 lbs
- 70 choice reputation Herf yriling strs, green condition, 650-850
- 45 reputation Angus strs & hfrs, long weaned , 2 rds shots, 700-800 lbs
- 45 choice red Angus strs, long weaned, green, 2 rds shots, Angus source tags, 600-625 lbs
- 10 Herf hfrs, green, weaned, 600-700 lbs
- 14 red & blk Angus strs & hfrs, long weaned, 725-775 lbs
- 40 home raised blk hfrs, weaned early Sept., 4 rds shots, 600-750 lbs
- 17 blk strs & hfrs, Spring shots, 450-550 lbs
- 20 blk strs & hfrs, 2 rds shots, weaned 30 days, 600-625 lbs
- 11 blk strs & hfrs, 1 rd shots, off the cow, 550-600 lbs
- 11 blk strs & hfrs, 1 rd shots, off the cow, 450-550 lbs
- 125 Angus Gelv. X strs & hfrs, 600-800 lbs.

EARLY CONSIGNMENTS FOR JAN. 26

- 190 blk strs & hfrs, 2 complete rds shots, weaned mid Oct., 600-800 lbs
- 57 Angus, 45-strs & 12-hfrs, long weaned, 3 rds shots, no implants, 650-800 lbs
- 90 blk SimmAngus cross strs & hfrs, weaned 60+ days, bunk broke, 2 rds shots, wormed, implanted, 650-800 lbs.
- 10 blk 1st calf hfrs w/ 2 week - 30 day old SimmAngus calves by side.

UPCOMING SPECIAL COW SALE DATES, Wednesdays Starting at 11 A.M.: Jan. 17; Feb. 21; Mar. 14; Apr. 11; May 2  
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Hay market activity moderate; demand moderate to good for alfalfa and moderate for grass hay. Prices steady to firm for all classes. The slowdown in hay movement during the Christmas holiday was short-lived as wheat pasture is virtually nonexistent and feeder pens reportedly full. Grinding hay continues to be elusive, strengthening its price with an undertone of strength to the grass hay market. The lack of moisture remains a concern as NASS reports top-and sub-soil moisture at almost 50 pct short. The U.S. Drought Monitor reports the abnormally dry (D0) category is at 100 pct, moderate drought (D1) is at 33 pct and severe drought (D2) is at 9 pct. If you have hay for sale, and/or need hay here in Kansas, use the services of the Internet Hay Exchange: [www.hayexchange.com/ks.php](http://www.hayexchange.com/ks.php).

Southwest Kansas

Dairy alfalfa, grass hay steady; grinding alfalfa and ground/delivered steady to 5.00 higher; movement slow. Alfalfa: horse, small squares 240.00-250.00. Dairy, .85-.95/point RFV, Supreme 155.00-175.00, Premium 155.00-165.00, Good 135.00-155.00. Stock or Dry Cow alfalfa, 110.00-120.00. Fair/Good grinding alfalfa, 120.00-135.00. Ground and delivered locally to feedlots and dairies, 140.00-155.00. Grass hay: Bluestem large squares 80.00-90.00. Brome, none reported.

The week of 12/31-1/6, 11,239T of grinding alfalfa and 845T of dairy alfalfa were delivered. Cornstalks: large round 55.00-65.00, ground and delivered 70.00-75.00.

South Central Kansas

Dairy alfalfa, alfalfa pellets steady, grass hay steady to slightly higher, grinding alfalfa and ground/delivered

steady to 5.00 higher; movement slow.

Alfalfa: horse, small squares 240.00-245.00. Dairy, .85-.90/point RFV. Supreme 155.00-165.00, Premium 150.00-160.00, Good 130.00-150.00. Stock cow alfalfa, 130.00-135.00 delivered. Fair/Good grinding alfalfa, 105.00-115.00 with instances at 120.00-130.00. Ground and delivered locally to feedlots 135.00-145.00. Alfalfa pellets: Sun Cured 15 pct protein 170.00-175.00, 17 pct protein 180.00-185.00, Dehydrated 17 pct 207.00-217.00. The week of 12/31-1/6, 4,582T of grinding alfalfa and 600T of dairy alfalfa were delivered. Grass hay: bluestem, large squares 80.00-90.00, large rounds 65.00-75.00; Brome: large rounds none reported, small squares 105.00-115.00. Oat hay, large squares 95.00-100.00, Sudan large rounds 70.00-75.00. Teff, small squares 6.25-6.75 per bale, large squares 115.00-125.00 delivered, large rounds 65.00-75.00. Cornstalks: large rounds 55.00-60.00, cornstalks ground and delivered 60.00-70.00, Straw large squares 50.00-60.00, mid squares 60.00-65.00. Milo stalks 50.00-55.00.

Southeast Kansas

Dairy alfalfa and grinding alfalfa steady, grass hay steady to slightly higher, ground/delivered steady to 5.00 higher; movement slow. Alfalfa: horse or goat, 210.00-220.00. Dairy .80-.90/point RFV. Stock cow alfalfa 120.00-130.00. Fair/Good grinding alfalfa 90.00-100.00. Ground and delivered, 110.00-120.00. Grass hay: bluestem, premium small squares 110.00-120.00 with instances at 130.00-140.00. Good, mid and large squares 80.00-100.00, large rounds 65.00-75.00. Brome: small squares 6.00-8.00/bale. Good, mid and large squares 100.00-120.00, large rounds 75.00-85.00. Oat hay, large squares 120.00-130.00. The week of 12/31-1/6, 1,613T of grass hay were delivered. Straw, mid squares 50.00-60.00. Mulch, large rounds 50.00-55.00

Northwest Kansas

Dairy alfalfa steady; grinding alfalfa and ground/delivered steady to 5.00 higher; movement slow. Alfalfa:

small squares, 5.00-6.00/bale. Horse or goat, 175.00-200.00. Dairy, Premium/Supreme .80-.95/point RFV. Stock cow, fair/good 110.00-120.00. Fair/good grinding alfalfa, 90.00-100.00. Ground and delivered locally to feedlots and dairies, 105.00-110.00.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa steady, grass hay, ground/delivered steady, movement slow. Alfalfa: horse, small squares 9.00-10.00/bale. Dairy .95-1.05/point RFV, Supreme 175.00-195.00, Premium 170.00-185.00, Good 150.00-170.00. Stock Cow, good 110.00-120.00. Fair/Good, grinding alfalfa, 100.00-110.00 with an instance at 120.00. Ground and delivered, 125.00-140.00 Grass hay: bluestem, small squares 5.00-6.00/bale, large squares 95.00-105.00, large rounds 65.00-75.00. Brome: Good, small squares 6.00-7.00/bale delivered, mid and large squares, 110.00-120.00, good large rounds 75.00-80.00. Sudan large rounds 70.00-75.00; Milo Stalks: large rounds 40.00-55.00; Straw: small squares, 4.00-5.00/bale, large squares 75.00-85.00, large rounds 65.00-75.00. Certified weed-free grass mulch small squares 4.00-5.00/bale, large rounds 45.00/bale.

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

\*CWF Certified Weed Free

\*RFV calculated using the Wis/Minn formula.

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

Source: Kansas Department of Agriculture - Manhattan, Kansas, Kim Nettleton 785-564-6709

Posted to the Internet: [www.ams.usda.gov/mnreports/DC\\_GR310.txt](http://www.ams.usda.gov/mnreports/DC_GR310.txt)

## A dangerous disconnect: new research IDs food and ag trust gaps

While food companies, federal regulatory agencies and farmers are held responsible for ensuring the health and safety of food, not all are trusted to get the job done, according to new research from the Center for Food Integrity (CFI). The findings illustrate a dangerous trust deficit that breeds increased public skepticism and highlights the need for increased consumer engagement by the food system.

“If you’re held responsible and trusted for ensuring safe and healthy food, you are seen as a credible source,” said Charlie Arnot, CEO of CFI. “However, if you’re held responsible but not trusted, that’s a dangerous disconnect that can’t be ignored.”

Federal regulatory agencies are held most responsible for ensuring safe food, following by food companies and farmers, according to the survey. However, when it comes to trust, federal regulatory agencies rank eighth and

food companies rank last on a list of 11 choices.

“The potential fallout is serious and we’re already witnessing consequences in the food system as public interest in food production and processing grows,” said Arnot. “A lack of trust can result in increased pressure for additional oversight and regulations, rejection of products or information, and consumers seeking alternate, and perhaps unreliable, information sources.”

Farmers fared better, ranking third in both responsibility and trust on the issue of ensuring safe food. CFI’s annual research, now in its tenth year, has consistently shown that consumers trust farmers. Arnot cautioned farmers against viewing the results as permission to disengage. “The good standing of farmers presents a golden opportunity for farmers to share their stories, invite consumer questions and help build trust.”

Rankings for respon-

sibility and trust regarding ensuring healthy food were similar.

Segmenting by influencer audiences, including moms, millennials, foodies and early adopters, CFI’s research surveyed U.S. consumers on more than 50 topics including most important issues, trusted sources, purchasing behaviors, pressures impacting food choices, and attitudes on farming and food manufacturing.

Research results reveal additional trust gaps when it comes to the environment, animal care and food manufacturing.

Eighty percent moderately or strongly agree that they are more concerned about global warming/climate change than they were a year ago. However, only 30 percent strongly agree that farmers are taking good care of the environment.

While 55 percent strongly agree that if farm animals are treated decently and humanely, they have no problem consuming meat, milk and eggs,

only 25 percent believe U.S. meat is derived from humanely treated animals.

Two out of three consumers (64 percent) hold a positive impression of agriculture, while below half (44 percent) hold a positive impression of food manufacturing. A majority, around two in three, want to know more about both.

“I am often asked why consumers have a certain, often inaccurate, impression of the food system,” said Roxi Beck, director at CFI. Beck works closely with farmers and food companies, providing practical advice and step-by-step training to increase transparency and engagement and help close the trust gap.

“My response is simple: because farmers and food companies haven’t engaged consumers in a way that addresses their underlying concerns,” she said. “The food system is making great strides toward transparency and responsiveness, which is tremendous, but there is more work to be done. It

starts with identifying the drivers of concern, versus providing factual information to address the questions asked.”

Each year of CFI’s decade-long research builds on the last. When combined, it leaves no doubt that effective engagement to earn trust goes beyond simply providing consumers with information.

“Consumers want to know that farmers and food companies share their values, so simply providing facts or information isn’t enough,” Beck said. “Meaningful engagement can be a game-changer. For example, I’ve guided dozens of on-site tours of farms and food companies and the ‘a-ha’ moments are often dramatic when consumers see and hear for themselves how food is produced. This is because they’ve made a personal connection with the individual expert, which allows the conversation to move forward.”

Transparency is a powerful trust-building tool, she said, and can be

achieved in many ways, “ranging from photos and videos to blogs that invite questions. Today’s trust gaps can be closed and CFI is committed to helping the food system do just that.”

To download a summary of the annual trust research and register for the free webinar, “Shifting Food Beliefs and Trends: Insights Into Closing the Trust Gap,” Tues., Jan. 23, visit [www.foodintegrity.org](http://www.foodintegrity.org). For more information, contact CFI at [learnmore@foodintegrity.org](mailto:learnmore@foodintegrity.org).

The Center for Food Integrity is a not-for-profit organization that helps today’s food system earn consumer trust. Our members and project partners, who represent the diversity of the food system, are committed to providing accurate information and working together to address important issues in food and agriculture. The Center does not lobby or advocate for individual companies or brands. For more information, visit [www.foodintegrity.org](http://www.foodintegrity.org).



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# Smith challenges ag industry to tell real story of food production

According to Donnie Smith, it's time for the agricultural industry to take back the story of food production.

Smith delivered the second Heuermann Lecture of the 2017-18 season Jan. 9 at Nebraska Innovation Campus.

Smith was president and CEO of Tyson Foods from 2009 to 2016 and continues to serve the company as a consultant while focusing on his work to feed the world. He said he believes consumers are being told fictional stories about modern agriculture, which is leading to mass fear of the food system.

"There's a story being told in America, and frankly around the world, today about agriculture and what we do," Smith said. "It's largely fictional, based on partial truth, but Americans are buying it hook, line and sinker."

These fictional stories are being told as the agricultural industry is seeing major achievements — such as Baby Boomers doubling food production in their generation — while still facing tremendous challenges, Smith said. Today's generation must find a way to double the amount of food the Baby



Donnie Smith, former president and CEO of Tyson Foods, speaks about global food security during the Heuermann Lecture Jan. 9 at Nebraska Innovation Campus.

Boomers produced using the same amount of land, air and water. They'll also have to do so with additional pressures on the food system, such as increased life expectancy and increased incomes, both of which lead to people eating more food.

"Why isn't our noble effort in agriculture to feed this world, front-page news?" Smith asked.

He is no stranger to the challenges facing the food system. During his 36-year career with Tyson, he worked to learn every

angle of the business. As an executive, he led the company to focus on feeding the world high-quality, affordable food.

Smith said the challenge of telling the true story of agriculture is that producers simply don't have the time. They spend considerable time making, processing, marketing and delivering food, so they don't have time to blog or post on social media.

"If we're not telling the real story, the only story on the air is not true,"

he said. "That's a huge problem and also a huge opportunity."

Smith is a proud supporter of America's land-grant system and believes the solution to the communication problem could be found at land-grant universities such as the University of Nebraska-Lincoln. Every day, university researchers are figuring out solutions, while Extension professionals show producers how to implement those solutions, and the solutions become sustainable when the next

generation is taught how to implement them. Smith said communication is just as important as these three missions.

"I think now, in our land-grant community, we're leaving out a new task that we've got to add to our repertoire," he said. "We've got to start prioritizing how to communicate what we're doing, and how we're doing it, and why that is so important."

Smith plans to dedicate the rest of his life to this effort, and to developing sustainable agriculture on the global scale. One way he is doing that is through the Smith Center for International Sustainable Agriculture at the University of Tennessee. The center aims to develop science-based agricultural solutions to meet sustainable development challenges in less economically developed countries, such as Rwanda. Smith praised Nebraska for its efforts in this region, specifically naming the Undergraduate Scholarship Program in the College of Agricultural Sciences and Natural Resources. Through this program, students from Rwanda are pursuing a bachelor of sci-

ence degree in integrated science, with a focus on conservation agriculture, entrepreneurship, leadership and innovative thinking. These align with the areas of need identified by the Rwandan Ministry of Agriculture and Animal Resources.

"I cannot applaud you enough for what you're doing in Rwanda," Smith said. "It's critical to the development of the capacity for that nation and all of sub-Saharan Africa to be able to thrive through all of the changes that are going to happen in these kids' careers."

The theme for the seventh year of Heuermann Lectures is "Think Globally, Act Locally." The lectures are funded by a gift from B. Keith and Norma Heuermann of Phillips, Nebraska. The Heuermanns are longtime university supporters with a strong commitment to Nebraska's production agriculture, natural resources, rural areas and people.

Lectures are streamed live at <http://heuermannlectures.unl.edu/> and are available online after the event and are later broadcast on NET2.

## Kansas December 1 grain and hay stocks see overall decrease

Kansas corn stocks in all positions on December 1, 2017 totaled 468 million bushels, up 1 percent from 2016, according to the USDA's National Agricultural Statistics Service. Of the total, 150 million bushels are stored on farms, down 3 percent from a year ago. Off-farm stocks, at 318

million bushels, are up 3 percent from last year.

Wheat stored in all positions totaled 401 million bushels, down 5 percent from a year ago. Onfarm stocks of 17.0 million bushels are down 32 percent from 2016 and off-farm stocks of 384 million bushels are down 3 percent from last year.

Sorghum stored in all positions totaled 156 million bushels, down 27 percent from last year. Onfarm stocks of 19.5 million bushels are down 25 percent and off-farm holdings of 136 million bushels are down 27 percent from last year. Soybeans stored in all positions totaled 147 million

bushels, up 10 percent from last year. Onfarm stocks of 32.5 million bushels are down 17 percent from a year ago, and off-farm stocks, at 115 million bushels, are up 21 percent from 2016.

Oats off-farm stocks totaled 360 thousand bushels, down 41 percent from 2016.

Hay stocks on Kansas farms totaled 4.50 million tons on December 1, 2017, down 15 percent from a year earlier. Grain storage capacity in Kansas totaled 1.48 billion bushels, up 25.0 million bushels from December 1, 2016. Total grain storage capacity is comprised of 380 million bushels of on-

farm storage, unchanged from last year, and 1.10 billion bushels of off-farm storage, up 25.0 million bushels from 2016.

## Computer scientists to study application of big data for improved disaster management and response

With the continuing threat of deadly disasters such as tornadoes, hurricanes, earthquakes and terrorist attacks striking communities, researchers at Kansas State University are looking to big data for its potential to become an integral source of information for response organizations in these situations.

Funded by \$900,000 from the National Science Foundation Critical Techniques, Technologies and Methodologies for Advancing Foundations and Applications of Big Data Sciences and Engineering program, three faculty members from the computer science department in the College of Engineering are set to explore this potential through the four-year project, "Domain Adaptation Approaches for Classifying Crisis-Related Data on Social Media."

"Big crisis data can help improve situational

awareness and facilitate faster response where it's most needed," said Doina Caragea, associate professor and co-lead investigator on the project. "Manually sifting through voluminous streaming data to filter useful information in real time is inherently impossible.

"This project aims to explore domain adaptation solutions based on deep learning to help emergency response organizations deal with the overload of information in real time," she said.

The research, co-lead

by Cornelia Caragea, associate professor, and co-investigated by Dan Andresen, professor, will produce a hybrid community-computational framework for real-time discovery of situational awareness information in social media platforms.

"This framework has the potential to transform the way in which response organizations operate by helping them identify more relevant information in a timely manner and in turn helping them provide better support to victims of disasters," Doina Caragea

gea said.

Amazon Web Services provided an additional \$768,916 in promotional credits for performing the large-scale computation involved with training neural network models, almost doubling the funding for the project.

"We will build our framework on Apache Spark, using machines equipped with graphics processing units available to us through Amazon Web Services," Doina Caragea

said. "These resources will enable the analysis of increasingly overwhelming amounts of crisis data, which are directly contributed by people 'on the ground.'"

With a combined involvement of graduate and undergraduate students, the project will make significant advances to the current state of the art in machine learning and its applications to disaster management and response.

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**80.23 ACRES OF FLINT HILLS GRASSLAND AUCTION**  
LYON COUNTY, KANSAS  
**THURSDAY, FEBRUARY 8, 2018 — 7:00 PM**  
**AUCTION LOCATION: Hampton Inn Conference Room, 2900 Eaglecrest Drive — EMPORIA, KANSAS**  
**Property located** south side of Admire, Ks at KS-99 Rd R & E, go south on KS-99 for 3.5 miles to the northwest corner of said property on the east side of road.  
**Brief Legal:** W/2 of the SW/4 of Sec. 9, Twp. 17 S, Rge. 12 Lyon Co. KS  
**Native Bluestem and mixed Grass Pasture is as clean as you will find. Nice stand of grass, that is watered by 3 ponds. Good Access off paved road KS-99.**  
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**REAL ESTATE AUCTION**  
**SATURDAY AFTERNOON, FEBRUARY 17, 2018**  
**Starting at 2:00 PM**  
**AUCTION LOCATION: The Leo McMinimy American Legion Post 181 cabin, along Hwy. 99 in FRANKFORT, KS**  
**80 ACRES M/L OF MARSHALL COUNTY, KS FARMLAND, MEADOW AND WILDLIFE HABITAT**  
**Property Location:** From the South end of Vermillion, KS, go 1/2 mile South to Tumbleweed Road, then 1 1/2 miles West to 28th Road, then 3/4 mile South on the East side.  
**Legal Description:** The North Half of the Southwest Quarter of Section 15, Township 4 South, Range 10 East of the 6th P.M., Marshall Co., KS.  
This property consists of 26.49 acres of terraced, tillable upland, 15 acres upland of growing wheat, 3.75 acres wildlife habitat with the balance of 34 acres of native meadow with a draw and a pond.  
**For more info. or viewing, please call John E. Cline, 785-532-8381 or check website at: [www.mcclivestock.com/clinerealty](http://www.mcclivestock.com/clinerealty)**  
**SELLERS: BRYCE & LYDIA HUNINGHAKE**  
**Terms and Possession:** The sellers require 10% down payment day of sale with the balance to be paid on or before March 20, 2018. Possession will be upon closing. Buyers and sellers to equally split title insurance and closing costs. Purchaser to be responsible for all of 2018 taxes. Statements made sale day take precedence over printed material. Sale subject to Seller's confirmation. Cline Realty and Auction represents the sellers' interests.  
**Auction Conducted By: CLINE REALTY & AUCTION, LLC**  
John E. Cline, Broker-Auctioneer, 785-532-8381  
ONAGA, KANSAS • 785-889-4775  
**[www.mcclivestock.com/clinerealty](http://www.mcclivestock.com/clinerealty)**

**HERINGTON LIVESTOCK COMMISSION CO.**  
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**SELL HOGS 1ST & 3RD WEDNESDAY OF EVERY MONTH 1/10/17**  
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Florence, 1 blk 1075@82.00  
Florence, 1 blk 1220@70.00  
Wilsey, 1 blk 1690@63.00  
Herington, 1 blk 1625@62.00  
White City, 1 blk 1520@62.00  
Hope, 1 blk 1710@61.50  
Lincolnville, 1 blk 1620@60.00  
Wilsey, 1 blk 995@60.00  
Lincolnville, 1 blk 1500@59.00  
Lincolnville, 1 blk 1395@58.50  
Florence, 1 blk 1335@58.50  
Herington, 1 blk 1445@58.50  
Marion, 1 blk 1595@58.00  
Florence, 1 blk 1520@57.50  
Marion, 1 grey 1400@57.50  
White City, 1 red 1560@57.50  
D'Hanis, TX 1 red 1160@57.50  
Marion, 1 blk 1715@57.00  
**BULLS**  
Hillsboro, 2 blk 465@150.00  
Hillsboro, 3 blk 615@136.00  
Hillsboro, 3 blk 932@108.00  
Wilsey, 1 blk 1855@79.00  
Marion, 1 blk 1775@78.50  
Lindsborg, 1 red 2005@70.00  
Manhattan, 1 blk 2000@68.00  
Lost Springs, 1 blk 1730@66.50  
Lincolnville, 1 blk 1625@63.50  
Herington, 1 blk 1950@62.50  
Herington, 1 rwf 2105@58.00  
**STEERS**  
Wichita, 8 blk 493@175.00  
Carlton, 21 blk 567@172.75  
Cncl Grve, 18 mix 539@169.00  
Wilsey, 2 blk 580@163.00  
White City, 5 blk 597@160.00  
Burdick, 12 mix 588@159.00  
Alta Vista, 11 mix 628@158.00  
Cncl Grve, 54 mix 660@156.25  
Hillsboro, 7 blk 646@155.50  
Wichita, 11 blk 658@154.75  
White City, 8 blk 668@154.50  
Burdick, 23 mix 661@152.75  
Carlton, 47 blk 689@150.75  
Lincolnville, 23 blk 698@146.25  
Wilsey, 5 blk 701@146.00  
Cncl Grve, 14 mix 768@145.50  
Alta Vista, 40 mix 774@145.35  
Herington, 28 blk 856@144.00  
Herington, 10 blk 732@142.50  
White City, 5 blk 697@142.50  
White City, 15 blk 834@140.00  
White City, 20 blk 835@139.50  
Hope, 120 blk 873@139.00  
Burdick, 60 mix 872@139.00  
Lincolnville, 61 mix 855@138.75  
Ctnwd Falls, 6 blk 762@137.00  
Hope, 62 blk 921@136.50  
Ramona, 58 mix 868@136.25  
Hope, 62 mix 949@135.75  
Carlton, 6 mix 858@135.50  
Lincolnville, 10 blk 822@135.00  
Ramona, 55 mix 960@134.50  
Herington, 9 blk 876@134.10  
Lincolnville, 119 mix 899@134.00  
Junction City, 3 mix 852@133.50  
Herington, 119 mix 883@133.00  
Woodbine, 30 blk 946@132.10  
Junction City, 10 blk 997@121.00  
Herington, 2 bwf 1070@120.00  
**BRED COWS**  
By The Head \$600-\$800  
**HEIFERS**  
Tampa, 84 blk 632@141.25  
Florence, 6 blk 577@140.50  
Burdick, 13 red 556@140.00  
Wilsey, 5 blk 603@137.00  
Burdick, 22 red 641@135.00  
Ctnwd Falls, 3 blk 650@135.00  
Florence, 19 blk 695@135.00  
Tampa, 70 mix 695@133.60  
Herington, 6 blk 772@132.00  
Marion, 5 mix 621@132.00  
Cncl Grve, 8 blk 779@132.00  
Herington, 58 mix 819@130.60  
Cedar Point, 3 blk 745@130.50  
Marion, 10 mix 728@130.00  
Herington, 7 blk 719@130.00  
Cedar Point, 5 blk 486@130.00  
Cedar Point, 6 mix 625@130.00  
Woodbine, 8 blk 934@125.00  
Herington, 14 mix 939@117.00  
Florence, 6 blk 958@115.00  
Ctnwd Falls, 2 blk 930@110.00  
Hillsboro, 2 blk 948@100.00  
Hillsboro, 3 blk 1200@80.00

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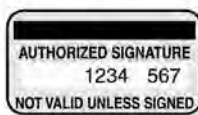
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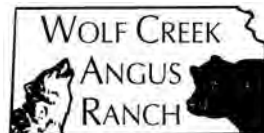
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Over 90 heifer bulls

**60 Reg. Females**  
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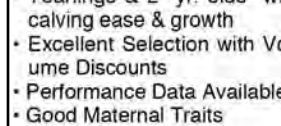
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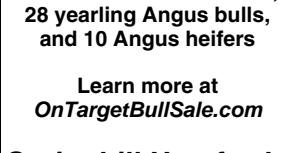
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## Kansas Profile

**By Ron Wilson**  
*Executive Director of the Huck Boyd Institute*



## Jake Worcester – Manhattan Meat Market

Let's go to New York City to a high-end restaurant and order a Braveheart steak. The steak is delicious. These steaks are available in high quality restaurants across the country – but there is only one place in the nation where a person can get one of these steaks to cook at home. That place is not Manhattan, New York, but Manhattan, Kansas.

Jake Worcester and his partners are the owners of Manhattan Meat Market in Manhattan, Kansas. Jake and his friends wanted high quality, locally sourced meat so they started this meat market of their own.

Jake grew up on a farm in northwest Kansas where his family consumed meat they raised themselves. (That takes the “know your farmer, know your food” concept to a whole new level!) Jake was active in 4-H and FFA, went to K-State where he was elected student body president, served as Kansas assistant secretary of agriculture, and now is president and CEO of the Kansas 4-H Foundation.

“We noticed a resurgence of interest in specialty meats and local meat products,” Jake said. In recent years, he talked about this with friends and former co-workers at the Kansas Department of Agriculture and elsewhere. In order to respond to this consumer demand, Jake

and these friends opened Manhattan Meat Market in June 2017.

“Our goal is to provide great local products with great customer service to the Manhattan community,” Jake said. “In a larger sense, we also want to tell the story of Kansas farmers and ranchers who have such a great product.”

“Our first decision was that we wanted to distribute Braveheart beef,” Jake said. These steaks are produced by the Beef Marketing Group in Kansas and typically go to high-end restaurants including Harry's in Manhattan and many on the east coast. Manhattan Meat Market is the first in the country where a consumer can buy those steaks and cook them on his or her own grill.

“Our second decision was that we wanted to feature local producers – and we mean local,” Jake said. For example, Manhattan Meat Market offers many products grown in rural Riley, Pottawatomie, and surrounding counties. These include lamb from Glenn Brunkow near Westmoreland, meat goats from Brenda Jordan at Riley, bison from Rick Eyestone near Junction City, and pork from Josh Wendland near Barnes, population 159 people. Now, that's rural.

These products are supplemented with other products as needed, such as additional pork from

Nebraska and seafood from the coasts. The meat is brought in to Manhattan Meat Market as primal or sub-primal cuts. There is no slaughtering done at Manhattan Meat Market. The store offers pre-packaged products or the staff can custom-cut an order.

“Because we don't have mass volume, we're able to get to know and serve our customers,” Jake said. The store also offers related products such as rubs and sauces and local favorites such as Alma Cheese and Holy Goat Creamery cheese, plus much more. Occasionally, items such as striped bass and steelhead salmon are available.

One partner, Chae Bontrager, helps source products through his ownership of locker plants in Frankfort and Meriden, plus Yoder Meats. “We've got the right kind of team to serve the customer,” Jake said.

“If there's a place in Kansas to buy great meat, Manhattan ought to be the place,” Jake said. “We're situated in the Flint Hills next to the nation's leading land-grant university and one of the country's finest meat science departments.”

Food safety and quality are top priorities. “We want to help educate people that the U.S. food system is the safest in the world,” Jake said. The focus is also on superior quality and service. “We believe there is a market for high-end, locally-sourced, premium product.”

For more information, go to www.mhkmeats.com.

It's time to leave New York City where we found a steak that can only be purchased for home use in Manhattan, Kansas. We salute Jake Worcester and all those involved for making a difference with entrepreneurship in the protein business. Manhattan Meat Market is a place where high quality and customer service can meet.

## January is National Radon Action Month — test your home with a DIY kit

You can't see, smell or taste radon, but it could be present at a dangerous level in your home. Radon levels in Johnson County test above the EPA's radon action level. Radon is the leading cause of lung cancer deaths among nonsmokers in America — 200 new cases in Kansas per year. The EPA and the U.S. Surgeon General urge all Americans to protect their health by testing their homes, schools and other buildings for radon. Do-it-yourself radon test kits are available for sale from the Johnson County K-State Research and Extension office. The fee is \$8 each.

Radon is an odorless, colorless and tasteless gas produced by the decay of natural radioactive materials found in

the soil. It's a naturally occurring environmental hazard that seeps into homes and other buildings through joints or cracks in the foundation. If your kids sleep or play in the basement, or the Man Cave or the home theater is located there, Extension urges residences to test their homes to insure they are safe.

Radon kits may be purchased in person at the Johnson County Extension office, at 11811 S. Sunset Drive, Suite 1500 in Olathe. Office hours are Monday-Friday, from 8:30 a.m.- 5pm. The office is not able to mail or ship test kits. For more information call 913-715-7000 or visit www.johnson.k-state.edu.



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300-400#	\$205.00-\$171.00
400-500#	\$201.00-\$170.00
500-600#	\$183.00-\$146.00
600-700#	\$162.25-\$133.00
700-800#	\$147.50-\$122.00
800-900#	\$140.00-\$128.00
900-1000#	\$134.00-\$121.00

## HEIFERS

300-400#	\$185.00-\$159.00
400-500#	\$156.00-\$141.00
500-600#	\$154.50-\$132.50
600-700#	\$137.60-\$127.00
700-800#	\$134.45-\$127.50
800-900#	None Sold

## HFRETTES

1235#-953# \$122.50-\$63.50

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The world will be required to feed an estimated nine billion people by 2050, but annual percentage crop yield increases are currently only half those required to meet these projected food needs. This pressing issue is being taken on by a team of researchers at Kansas State University whose aim is to increase arable land acreage considered too steep for use with conventional equipment.

Enter the robots. "Multi-Robot Farming on Marginal, Highly Sloped Lands" is a three-year, \$1,178,191 grant project from the U.S. Department of Agriculture's National Robotics Initiative 2.0: Ubiquitous Collaborative Robots, headed by Dan Flippo, assistant professor in the biological and agricultural engineering department.

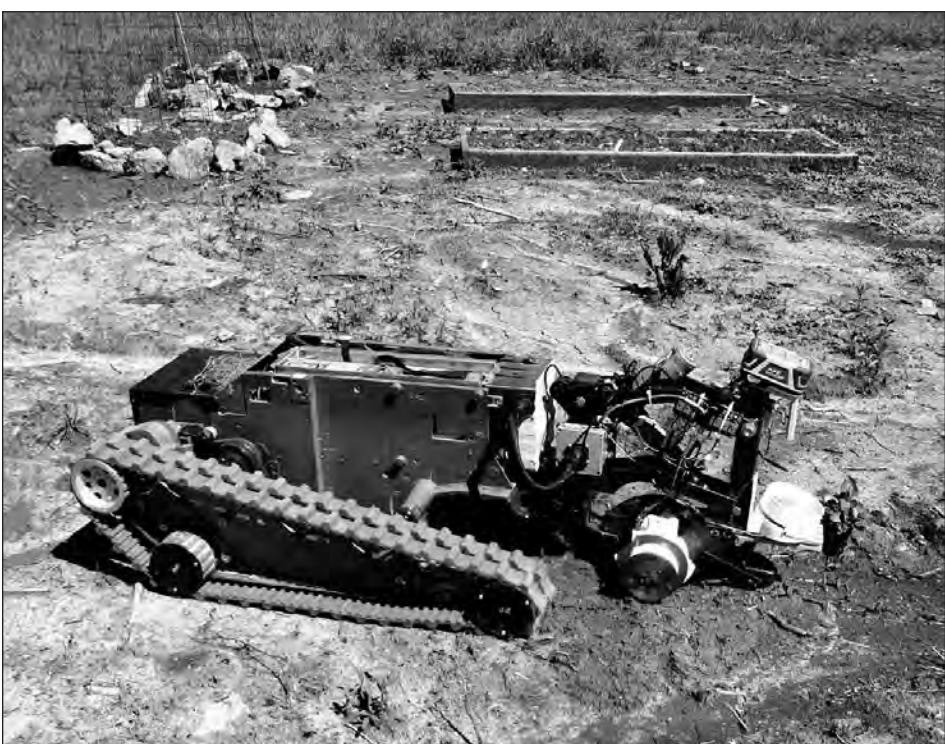
This project will explore use of multiple small robots to farm highly sloped land. The robots, the size of a common wheelchair, will work in

groups to accomplish field-work by unconventional means. Strap-on hardware modules will be designed to allow the small vehicles to plant, manage and harvest wheat on hills with slopes as great as 55 percent, or 30 degrees.

Joining Flippo in the endeavor at Kansas State University are Stephen Welch, professor, and Antonio Asebedo, assistant professor, both in agronomy; Arnaud Temme, associate professor of geography; and Sanjoy Das, associate professor of electrical and computer engineering.

"The outcome will be a total agriculture farming system melding unmanned aerial flyovers of the field and robotic planting-management-harvest systems to provide the extra yield needed to meet the 2050 dilemma," Flippo said. "The system will be scalable, configurable and foreshadow the future of agricultural automation."

The small autonomous vehicle farming concept is brand-new, allowing engi-



Use of robotic farming on highly sloped land is the focus of a nearly \$1.2 million project led by Kansas State University's Dan Flippo.

neers and scientists to rethink cropping operations. It has the potential of not only increasing yield for an enlarging population but to do so in a sustainable way that will allow

continued feeding of the world.

An intensive geographic analysis has shown an additional 4 percent of the Great Plains could be brought into production

using this farming technology. Though a seemingly small increase, the area is a global power in wheat production and currently hits those production rates on not quite 7 per-

cent of its land.

"This new approach and the research that must accompany it have the potential to help Kansas State University meet and exceed its 2025 goals by placing us at the forefront of small autonomous vehicle agriculture," Flippo said.



Dan Flippo, assistant professor of biological and agricultural engineering, has received a nearly \$1.2 million grant from the U.S. Department of Agriculture for the project "Multi-Robot Farming on Marginal, Highly Sloped Lands."

## Trump takes victory lap on taxes with rural Americans

(AP) – Connecting with rural Americans, President Donald Trump hailed his tax overhaul as a victory for family farmers and pitched his vision to expand access to broadband internet, a cornerstone of economic development in the nation's heartland.

"Those towers are going to go up and you're going to have great, great broadband," Trump told the annual convention of the American Farm Bureau Federation.

"Farm country is God's country," he declared.

Trump became the first president in a quarter-century to address the federation's convention, using the trip to Nashville as a backdrop for a White House report that included proposals to stimulate a segment of the national economy that has lagged behind others. His Southern swing also included a stop in Atlanta for the national college football championship game.

Joined by Agriculture Secretary Sonny Perdue, Senate Agriculture Committee Chairman Pat Roberts, R-Kan., and a group of Tennessee lawmakers, Trump said most of the benefits of the tax legislation are "going to working

families, small businesses, and who – the family farmer."

The package Trump signed into law last month provides generous tax cuts for corporations and the wealthiest Americans, and more modest reductions for middle- and low-income individuals and families.

The president vastly inflated the value of the package in his speech, citing "a total of \$5.5 trillion in tax cuts, with most of those benefits going to working families, small businesses and who? The family farmer." The estimated value of the tax cuts is actually \$1.5 trillion for families and businesses because of cuts in deductions and the use of other steps to generate offsetting tax revenue.

The president warned against voting for Democrats in this November's midterm elections, saying they would undo the tax bill. "If the Democrats ever had the chance, the first thing they would do is get rid of it and raise up your taxes," Trump said.

"Oh, are you happy you voted for me," he added. "You are so lucky that I gave you that privilege."

Trump also highlighted

the doubling of the threshold for the estate tax – earning a standing ovation from the audience – and the ability for companies to immediately write off the full cost of new equipment. He said that "in every decision we make, we are honoring America's proud farming legacy."

Central to the report is the assessment that the "provider for an equalization among rural America is connectivity; that high-speed internet should remain a high priority for the administration," said Ray Starling, the special assistant to the president for agriculture, trade and food assistance. The report calls for expediting federal permitting to allow for broadband internet expansion in rural areas and for making it easier for providers to place cell towers on federal lands.

Trump signed an executive order following his speech on rural broadband, aimed at easing the process to put private broadband infrastructure on federal property. The White House described the move, along with a memorandum directing the Interior Department

to work on a plan to increase access to their facilities for broadband deployment, as "incremental," but the start of an effort to make progress on the issue.

White House officials said all work was in the early stages and did not offer an overall timeline. Officials noted the price tag for rural broadband expansion has been estimated at \$80 billion, but said the administration had not determined a cost.

The president also took credit for working to roll back the Obama administration's interpretation of the Clean Water Act, which had greatly expanded the list of bodies of water subject to federal regulation. The Farm Bureau ran a public relations campaign against the rule and called it "dangerous and unlawful."

The Agriculture and Rural Prosperity Task Force report highlights the importance of addressing the opioid crisis, which has disproportionately affected rural communities.

Trump also called on Congress to renew the farm bill this year, adding he supports providing for federal crop insurance.

The massive federal legislation funds federal agriculture and food policy, and it offers assistance to rural communities.

From Nashville, Trump traveled to Atlanta to watch Alabama's Crimson Tide and Georgia's Bulldogs face off in the College Football Playoff National Championship. The game was played in Mercedes-Benz Stadium, the new \$1.5 billion home field of the Atlanta Falcons.

Before departing for the game, Trump referenced his ongoing defense of the American flag and the national anthem, saying there was enough

space for people to express their views. "We love our flag and we love our anthem and we want to keep it that way," he said.

The president was greeted by cheers and a smattering of boos when he took to the field in Atlanta, escorted by ROTC members. With his hand over his heart and an American flag pin on his lapel, Trump sang a few words as Georgia's Zach Brown Band and a gospel choir performed the anthem.

Trump left the game at halftime to return to the White House.

### Coffee Shop Agronomy planned for January 25

Land Prices and Leasing will be the discussion topic at the January 25 Coffee Shop Agronomy meeting, scheduled for 10:30 a.m. to noon at Nelson's Landing in Leonardville. Mykel Taylor, K-State Research and Extension agriculture economist, will be the featured speaker.

This is the second in a series of Coffee Shop Agronomy meetings held every other Thursday this winter through February 22. Dan O'Brien will discuss crop marketing strategies on February 8, and Dallas Peterson will discuss soybean weed control on February 22.

Reservations are requested by noon the day before each meeting. Contact Greg McClure at the Riley County Extension Office (785-537-6350) for more information.

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# Pre-Plant Corn School set for January 30th

It's never too early to make a good plan. Even though it seems a ways off, corn planting time will be here before you know it. A Pre-Plant Corn School will be held on Tuesday, Jan. 30th, at the Southeast Research and Extension Center in Parsons (25092 Ness Rd.). Registration for the event will start at 8:30 a.m. while the presentations will begin at 9 a.m.

## Women in Agriculture Workshop to be held in Corning mid-February

A statewide Women in Agriculture Workshop, hosted by Nemaha, Jackson and Pottawatomie county conservation districts will be held Saturday, February 17, 2018, at the Corning Community Building in Corning.

Registration for the Women in Agriculture Workshop, "The Heart of the Farm," begins at 8:00 a.m., with presentations starting at 8:30 a.m. Both men and women are welcome to attend this free and informative event.

An amazing lineup of speakers is scheduled for the day. The key note speaker will be Jolene Brown from Iowa. Often called "The Dr. Phil of Agriculture," Jolene is direct, respectful, and generous with her advice and focused solutions to family business challenges. She brings humor, hope, and helpful ideas to the people of agriculture and is going to blow you away with the information she is going to share with you.

Mykel Taylor, an associate professor in the Department of Agricultural Economics at KSU, will have important information in regards to measuring basis risk for commodity grains, evaluation of Farm Bill commodity programs, and analyzing trends in Kansas agricultural land values, rental rates, and leasing arrangements. This is great information to help better the landowner/tenant relationships.

We're all super busy with families, work, etc.,

## South Dakota cousins create calving book app

Any farmer or rancher knows the importance of a calving book but when calving season comes around, chaos usually follows. The calving book often gets left in the barn, in someone's pocket, or random pickups or tractors. That is why a cousin duo from South Dakota created a calving book app.

Xavier and Ellen Schlechter created The Calving Book App in 2014. Since then, the app has grown tremendously. Not only does it keep calving records, but it also keeps vaccination, breeding, preg-checking, and weaning records.

"Honestly, we made the app for us to use on our farm. We have up to six men checking our cattle, so we needed everyone to be connected. When we realized how useful it was going to be, we decided to put it in the app stores,"

so it can be difficult to still maintain healthy eating habits. Cindy Williams, Meadowlark District Extension agent, is going to show how to make "From the Freezer to the Field: Healthy Meals in a Hurry!" Not only will these be great tips for those busy seasons on the farm, but also just for everyday!

Lucinda Stuenkel was just a mother and housewife when her husband and his farm partner brother were killed in an accident. On her decision to continue with the farming operation, Lucinda said, "The children in both families wanted to stay in their own house, but if we hired everything done, there would be nothing left to support our family. We had to find a way to care for the cattle and farm without our two big strong men, so we changed to a place that could be handled by women and children." Lucinda has an amazing story to tell that you won't want to miss!

Marcia Conley was born and raised on a dairy farm in Pottawatomie County. Marcia worked as a nurse for a little over 44 years. She enjoyed looking after the health and well-being of others and loved the idea of being able to care for herself and family on a day to day basis by using essential oils. She has integrated her knowledge of essential oils with her long career in nursing to help empower others to improve their

health through the use of essential oils.

Many of us have never been in a situation where you simply can't fight with Mother Nature. Monica Becker, her husband Royce, and their five children found themselves in a wild situation in the summer of 2013. It goes to show that you just never know when your world is going to be turned upside down. Monica will share their story of how she and her family survived and rebuilt not only their home, but also their way of life on their family farm near Corning.

Coffee and rolls will be served in the morning and is sponsored by Heinen Brothers Agra Services. There will be a break in presentations at noon for lunch, catered by Home Cookin' of Seneca, and is sponsored by Nemaha County Co-op. During the lunch break, attendees will have entertainment provided by Katie Patterson-Ingels and Anne Bowser. Over the past three years, Katie and Anne have been performing together for church and other community events, so be prepared for some great music!

In order to know how much food to prepare for the Women in Agriculture Workshop, please contact the Nemaha County Conservation District at (785)336-2186 ext. 110 or register online at <https://tinyurl.com/nemaha2018> no later than February 10, 2018. Hurry and register today!

that need to be made to the app.

"I am constantly updating the app, especially during calving season," says Ellen Schlechter. "Almost all of the changes we make are based on user feedback—whether it is someone on our farm or a customer in Kansas."

With nearly 10,000 accounts on The Calving Book App downloaded by users in 22 countries and over 200,000 calving records created, there is no sign of slowing down. Ellen is now in her freshman year of college at South Dakota State University majoring in Entrepreneurial Studies. She continues to provide updated releases of the app.

The Calving Book App is available on iOS and Android devices. For more information, visit [www.thecalvingbook.com](http://www.thecalvingbook.com).

High school students with an interest in discovering opportunities within the dairy industry are encouraged to apply for a four-day immersive educational opportunity throughout southwest Kansas.

Dairy U, which will be offered for the first time this year, is open to ten students from across the country, June 19-22. Organizers say the goal of the program is to develop the next generation of dairy industry leaders.

Dairy U is coordinated by Kansas State University's Department of Animal Sciences and Industry and leading dairy producers, including Ag Oasis, Forget-Me-Not Farms and Royal Farms.

Lead donors for the program include the Kansas Dairy Council, Arm and Hammer Animal Health, Zoetis, American AgCredit, and Southeast Select Sires.

"The dairy industry in southwest Kansas is continuing to grow and with this growth comes new technology and jobs," said Mandy Fox, Ag Oasis Dairy education and outreach coordinator. "We hope to spark an interest in these students to consider options in the dairy industry, or directly linked to us,

early on in their academic career.

"The hope is that once they complete high school they may choose an education or career path that helps our industry continue to grow and develop. We would like to expose them to all the options that exist in the dairy arena."

Students will meet in Dodge City and travel throughout Kansas to visit dairies and meet with leaders and industry stakeholders. Hands-on seminars will include a dairy industry overview, life cycle of a cow, animal health, reproduction, milking systems and nutrition. Students will also receive financial education and communications training.

Applications are due April 2 and can be found at

Additionally, in the afternoon the newly required auxin specific training for producers wanting to use the new dicamba products this year will be presented.

Please call the Southeast Research and Extension office at (620) 421-4826 to pre-register for the meal. For more information, contact Josh Coltrain, Crop Production Agent, [jcoltrain@ksu.edu](mailto:jcoltrain@ksu.edu) or (620) 724-8233.

## Farmers invited to Kansas Commodity Classic on Jan. 26

All Kansas farmers are invited and encouraged to attend the Kansas Commodity Classic on Friday, January 26, 2018.

The Commodity Classic is the annual convention of the Kansas Corn, Wheat and Grain Sorghum Associations, and will take place at the Four Points by Sheraton Hotel, 530 Richards Drive, Manhattan, with registration beginning at 8:30 a.m. It is free to attend and includes a complimentary lunch; however pre-registration is requested.

The Classic will be emceed by Greg Akagi of WIBW 580 Radio and Kansas Agriculture Network.

The program will begin at 9:00 a.m. Welcoming remarks will be given by the Executive Directors of the Kansas Corn Growers Association, Kansas Association of Wheat Growers and the Kansas Grain Sorghum Producers Association.

At 9:15, U.S. Sen. Jerry Moran will take the stage to give attendees an update on issues in Washington.

Arlan Suderman, Chief Commodities Economist for INTL FCStone will provide a markets update. During the 10:30 break, attendees will have an opportunity to visit with sponsors and growers from across Kansas.

Trade is an important topic for Kansas agriculture, and speakers from the national commodity organizations will address it. Molly O'Connor, Biotech, Food and Trade policy advisor with the National Association of Wheat Growers, and Mike Dwyer, chief economist with the U.S. Grains Council, will tackle the subject.

At 11:30, U.S. Sen. Pat Roberts, U.S. Senate Ag Committee Chairman, will provide an agriculture and Farm Bill update.

Dr. Barry Flinchbaugh, Professor Emeritus, Kansas State University Department of Agricultural Economics, will be the featured keynote speaker during the lunch. Dr. Flinchbaugh is a renowned expert on agricultural policy and an award-winning professor of agricultural economics at KSU. He has been a long-time advisor on ag policy to politicians of both parties. Drawing on his authority and expertise, Dr. Flinchbaugh will discuss lessons learned from the historically long debate on the 2014 farm bill and will look forward to the upcoming farm bill discussions.

The Kansas Commodity Classic is hosted by the Kansas Corn Growers Association, Kansas Association of Wheat Growers and Kansas Grain Sorghum Producers Association. The event is sponsored by the following: Kansas Department of Agriculture, Farm Credit Associations of Kansas, Monsanto, Syngenta, Shield Ag Equipment, AgriGold and Perten Instruments, Inc./Fairbanks Scales, Inc. The event is free to attend, but pre-registration is requested. Visit [kscommodityclassic18](http://kscommodityclassic18) for an agenda and to register.

## Dairy U aims to prepare youth for future in industry

www.YouthLivestock.KSU.edu. Transportation to and from the event is the responsibility of the participant, along with a \$50 deposit to reserve his or her space. All other costs are provided by the program sponsors.

For more information, please contact coordinator Sharon Breiner with questions at [sbreiner@ksu.edu](mailto:sbreiner@ksu.edu) or 785-532-6533.



### CHASE COUNTY - HEART OF THE FLINT HILLS INCLUDING "KNUTE ROCKNE MEMORIAL SITE"

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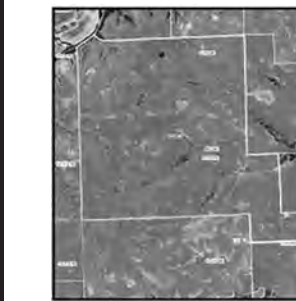
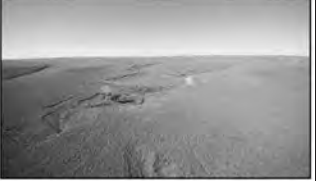
**FRIDAY, FEBRUARY 23, 2018 — 2:00 PM**

**AUCTION LOCATION:** Community Building in Swope Park, COTTONWOOD FALLS, KANSAS

### Property of E. CROSS CATTLE CO., INC.

**Property Location:** 1140 KS Hwy. 177, Matfield Green, KS 66862. Approx. 9.6 mi. South of Cottonwood Falls, KS on Hwy. 177 to the pasture pens on the west side of the highway. OR from EXIT 92 at Cassoday, KS & I-35 Kansas Turnpike the property is 15 mi. north on Hwy. 177. **Brief Legal:** Lots 3-14, 18-31 in Section 7, Twp. 21, Rge. 08 E, containing 998.4 ac. AND Lots 1-2 in Section 18, Twp. 21, Rge. 08 E, containing 78.3 acres AND 463.1 acres in Section 6, Twp 21, Rge. 08 E all in Chase County, KS for a total of 1539.8 acres.

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## REAL ESTATE AUCTION

**SATURDAY MORNING, FEBRUARY 17, 2018**  
**Starting at 10:30 AM**

**AUCTION LOCATION:** St. Columbkille Catholic Church Hall, along Hwy. 16 in **BLAINE, KS**

### 76 ACRES M/L OF POTTAWATOMIE COUNTY, KS PASTURELAND, FARMLAND AND WILDLIFE HABITAT

**Property Location:** From the East side of Wheaton, KS, go 2 1/2 miles North on the Wheaton Road to Trowbridge Road, then 1mile East on the North side.

**Legal Description:** The East Half of the Southeast Quarter of Section 9, Township 6 South, Range 10 East of the 6th P.M., Pottawatomie Co., KS.

This property consists of 76 acres, M/L, of which 6.6 acres are creek bottom farmland, 19 acres are terraced, tilled upland, 1.8 acres Brome grass, with the balance of 48.6 acres being native grass pasture with corral and some excellent wildlife habitat areas plus a good pond and creek. This property is bordered on the South by Trowbridge Road and on the East by Cleveland Road.

**For more info. or viewing, please call John E. Cline, 785-532-8381 or check website at: [www.mcclivestock.com/clinerealty](http://www.mcclivestock.com/clinerealty)**

### SELLERS: STELTER FAMILY TRUST

**Terms & Possession:** The sellers require 10% down payment day of sale with the balance to be paid on or before March 22, 2018. Possession will be upon closing. Buyers and sellers to equally split title insurance and closing costs. Purchaser to be responsible for all of 2018 taxes. Statements made sale day take precedence over printed material. Sale subject to Seller's confirmation. Cline Realty and Auction represents the sellers' interests.

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

**[www.mcclivestock.com/clinerealty](http://www.mcclivestock.com/clinerealty)**

### PERSONAL PROPERTY



**SATURDAY, JANUARY 20, 2018 — 10:00 AM**  
**2323 N. JACKSON — JUNCTION CITY, KS 66441**

**FURNITURE & APPLIANCES:** Extendable dining room table w/5 chairs, 2 end tables w/glass tops, gun cabinet, small marble top table, dresser, office chair, several other chairs.  
**GUNS, AMMO, BAYONETS:** Savage 24V Series C, Over & Under 30-30-20, 3" barrels, #3728491, Winchester 1897C 12 ga. shotgun #185460, Marlin Arms NHC 1894, 12 ga. pump (extra barrel) shotgun #16013, 1905 Quebec Canada (Ross Rifle Co.) 13430 US, 303 British Mauser, Mossberg 20 ga. model 1852-B 2 3/4 bolt action shotgun, Loewe Berlin 1891 732 0792 8 MM rifle, Browning 12 ga. 2 3/4 St. Louis Montreal P.G. semi-automatic shotgun, hump back 1m 43028. **AMMO:** 303 Winchester, 35 Remington Super, 8mm Mauser and several other boxes of ammo. 8 Bayonets, 2 Coyote & 1 Turkey Mounts.  
**GLASSWARE & COLLECTIBLES:** Glass dome cake holder, Decorated glass cake holder, glass ice bucket, glass picture frame, large glass bowl w/handles, **Western Plates**, "Gone With The Wind" plates (3 musical), **1985 Cabbage Patch Doll w/box.**  
**MISCELLANEOUS:** Snow blower, Presto 15" Jumbo electric skillet (like new), printer, copy machine, Nintendo games, roller blades, stuffed Mickey Mouse, Military (boots, shoes, rubber boots, knee & elbow pads, cold weather gear, rain gear, Point Blank body armor, backpack, camo uniforms, Desert Storm uniform, old horse shoe, horse door knocker, mirror, hassock, lamps, sewing basket, cassette holder, purses, several dolls, radio, old ice cream maker, kids train set, Tools, 12" compound miter saw, **MANY, MANY MORE ITEMS TOO NUMEROUS TO MENTION.**

### JONES & 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](mailto:jbrown@ksbroadband.net)**  
**KSALLink.com • KansasAuctions.net**



# SowBridge, PorkBridge educational programs return in February, registration now open

The internationally recognized SowBridge and PorkBridge educational programs, which focus on industry topics for sow, nursery and finishing producers, will kick off their 2018 sessions during the first week of February.

Joel DeRouchey, Kansas State University animal science professor and extension swine specialist, said the distance education series provides relevant and accurate information from industry-leading experts in veterinary practices, production companies and universities.

“Producers and others in the industry can get the information they need without the hassle of trav-

eling or giving up a whole day to attend a meeting,” said DeRouchey, noting that Kansas State University is one of 11 universities that developed and make the SowBridge and PorkBridge educational programs possible.

“Participants can take part where it works best for them, whether at home, in an office or in the swine unit. With the live phone presentation and slideshow viewed on computer, participants do not need internet access and can take part from anywhere. And whether or not they can participate in the live session, all are able to download audio files from each session for later use.”

Registration for both programs is due Jan. 16, 2018, to ensure participants receive materials in time for the first session of each program. Registration for both programs is located at KSUSwine.org.

In its tenth year, SowBridge combines electronic materials with live presentations from topic experts by teleconference in 12 monthly programs. Each seminar is intended for people involved in managing or caring for boars, sows, and/or their litters, including operation owners, employees, technicians, managers, and technical service providers.

DeRouchey said that SowBridge is designed to improve the understand-

ing and application of various tools and techniques involved in daily care of the breeding herd and piglets.

In its 13th year, PorkBridge provides relevant and accurate information for those who own, manage or work in swine grow-finish facilities. The topics are presented in a similar manner as SowBridge by experts on an every-other-month basis, or six times a year.

Registration for both programs provides access to one phone line per session and all program materials for each registration. Potential subscribers from outside the U.S. are encouraged to contact Sherry Hoyer, Iowa Pork Industry Center (IPIC), at

515-294-4496 or shoyer@iastate.edu for more information.

Before each session, subscribers will receive an email message with links to download the materials for that session. Most participants will call a toll-free conference line to listen and interact with presenters, and the audio portions of all sessions for both programs are recorded. Links to download those recordings are sent to all subscribers of the respective program after each session.

## SowBridge

Registration is \$250 for the 12-session program year. Subsequent registrations from the same entity/business are \$125. Sessions are approximate-

ly 45 minutes long, and are on the first Wednesday of each month beginning at 11:30 a.m. (Central). More information including session dates, topics, speakers and registration information is available at KSUSwine.org.

## PorkBridge

Registration is \$125 for six sessions. Sessions are generally scheduled for the first Thursday of each designated month, starting at 11:30 a.m. (Central) for 45 minutes. More information – including session dates, topics, speakers and registration information is available at KSUSwine.org.

For more information on either program, contact DeRouchey at jderouch@ksu.edu or 785-532-2280.

# K-State presents tenth annual youth animal science learning opportunity

Students from across the country with an interest in the livestock industry and related careers can apply now for the Kansas State University Animal Sciences Leadership Academy. The academy, which is celebrating its tenth year, is an inten-

sive four-day educational experience designed to enhance the leadership skills and animal science knowledge of students in ninth through 12th grades.

Hosted by the K-State Department of Animal Sciences and Industry and sponsored by the Livestock and Meat Industry Council (LMIC), the academy's goal is to develop young leaders within the livestock industry and prepare them for a successful future in this field.

“The academy is truly a rare opportunity for youth that want to enhance their leadership and educational experiences in agriculture,” says Craig Good, LMIC president. “Part of the LMIC mission is to assist the Animal Sciences Department at KSU in its goal of providing great educational and research

opportunities for youth across the country. I can say without hesitation, that supporting the leadership academy for the past ten years has been a very rewarding and worthwhile activity and helps fulfill that mission.”

The tenth class will meet in Manhattan, June 6-9. Applications are due April 2, 2018, and can be found at <http://www.Youth-Livestock.KSU.edu>.

The program's itinerary will feature interactive workshops, tours and faculty mentor time with animal science professors. Industry leaders will also join the participants frequently to share their knowledge and expertise. Throughout the week, participants will work in teams to evaluate current events within the animal science industry and ed-

ucate others. This experience will culminate with team presentations and a closing reception on Saturday morning.

Only 20 students will be accepted for each session to ensure individualized attention from counselors, professors and industry leaders. Participants will stay on campus in university housing with program staff for the duration of the event. Transportation to and from the event is the responsibility of the participant, along with a \$50 fee to reserve his or her space. The is only due upon acceptance and not at the time of application. LMIC generously provides all other sponsorships.

Please contact Academy director Sharon Breiner with questions at [sbreiner@ksu.edu](mailto:sbreiner@ksu.edu) or 785-532-6533.



**3-State Stockyards**  
Falls City, Nebraska

**SPECIAL BRED HEIFER, BRED COW & COW CALF SALE**

**Thursday Evening, Jan. 18th, 6:30 PM**  
*Regular Sale 11:30 AM Same Day*

**Featuring some outstanding bred heifers that have been selected & handled with the most particular cow-calf operators in mind:**

- 40 blk WF hrs, all off 1 Western Neb. Ranch. Hrs should average about 1100# & are bred to Miller Angus & April Valley low birthweight registered Angus bulls. Hrs are bred to start calving Feb. 10 w/ a 75 day calving period. Hrs have been fully vax & poured & have had preg guard & scour guard shots. For more information call the owner Kent Knobbe, 402-245-0987.
- From Richardson Farms 40 blk hrs bred to Byergo-Angus low birthweight bulls to start calving Feb. 10 w/ a 45 day calving period. These are fancy Angus hrs weighing 1100# & have all shots current, wormed & poured. Hrs were pelvic measured & tract scored, also have had scour guard. To visit about this set call Ryan at 816-985-2414.
- 12 red & blk 1st calf hrs bred Angus Spring Calvers • 14 young blk & red cows bred Angus Spring calvers. • 8 blk or Char cows bred Char for Spring calves. Middle age to older cows. • 21 blk cows complete dispersal bred Angus for Spring calves. • 60 good young Angus cow Spring calvers. Expecting about 200-250 cows, hrs & pairs.

**Come take a look & spend Thursday evening with us!**  
**Don't forget the free Dickey's Barbeque on us!**


**3-State Stockyards**  
Falls City, Nebraska • Phone: 402-245-5004

*To consign cattle or for more information, call:*

Brian Witt  
402-245-2485

Bob Witt  
402-245-5154

Tom Witt  
402-245-4641



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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.

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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**

Report from January 10th, 2018:

STEERS		TOP BUTCHER COW	
2	513	188.00	\$64.50 @ 1,720 lbs.
8	519	183.00	
6	536	178.50	
5	559	176.00	
21	544	176.00	
16	619	166.00	
9	658	153.50	
7	711	145.00	
8	721	144.50	20 4yo @1935
10	732	143.00	28 4yo @1925
57	923	134.60	27 3 yo @1875
4	1181	115.50	22 2yo @1800
HEIFERS		Mashed O Bred Cows:	
2	468	154.00	22 5yo @1750
4	434	153.00	22 7yo @1510
34	547	148.50	18 8yo @1410
10	577	143.50	22 9yo @1175
20	630	137.50	7 solids 1510 1100
3	778	132.00	
4	788	129.00	
6	1114	100.00	
		Mashed O Bulls:	
		By the head	\$1,775-\$3,900
		HOGS: NO TEST	

**EARLY CONSIGNMENTS FOR JANUARY 17**

100 Angus str & hrs .....600-750 lbs

50 blk X str & hrs .....675-800 lbs

65 blk X hrs .....675-775 lbs

**PLUS MORE BY SALE TIME**

**SPECIAL ANNIVERSARY SALE FEBRUARY 14**

Several consignments. Call for questions.

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

**CLAY CENTER LIVESTOCK SALES INC.**

**Cattle sales Tuesday, 11:00 AM.**

Report from January 9th, 2018:

STEERS					
6	528	191.00	5	580	152.00
4	505	187.00	9	599	152.00
5	541	168.00	7	605	151.50
4	541	168.00	13	686	144.00
5	580	167.50	7	687	141.00
8	583	167.00	27	735	136.50
16	599	163.00	10	733	136.00
13	665	158.00	20	852	134.50
8	664	154.50	9	916	134.00
6	705	151.00	17	800	133.50
12	725	148.75	65	836	133.50
22	756	147.00	17	857	133.00
23	887	145.75	19	858	130.00
28	876	145.00			
9	864	144.25			
14	853	142.50			
44	868	141.00			
60	860	140.50			
52	929	139.50			
9	964	139.25			
11	931	138.50			
23	995	134.00			
HEIFERS					
1	325	169.00			
4	454	161.00			

**TOP BUTCHER COW:**  
**\$68.00 @ 1,900 lbs.**

**TOP BUTCHER BULL:**  
**\$81.50 @ 2,310 lbs.**

**COWS BY THE HEAD:**  
**\$575-\$910.**

**PAIRS: One pair brought \$1,175**

Due to publication timing of Grass & Grain, please check our Facebook page - Junction City and Clay Center Livestock Sales - for up to date consignments & videos.

**JUNCTION CITY, KANSAS • Barn Phone 785-238-1471**

**Seth Lauer 785-949-2285, Abilene**

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

**MITCH LANGVARDT**  
Cell: 785-761-5814

**LYNN LANGVARDT**  
Cell: 785-761-5813

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

**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**

**Date: 1/10/18 Total head count: 1,072. COWS: \$58-66.50; \$51-\$57.75; \$50 & down. BULLS: \$75-85.10**

**BULLCALVES**

5 mix	476@146.00
4 bkbwf	1196@1025.00
4 blk	1305@1025.00
HEIFERS	
5 wf	371@149.00
8 wf	371@131.00
7 blk	440@166.00
7 Char	522@156.00
8 blk	526@154.00
10 bkbwf	540@149.00
14 bkbwf	594@144.00
5 mix	534@136.00
10 blk	505@126.00
8 Char	611@143.00
12 blk	670@139.00
8 blk	643@135.00
15 bkbwf	648@131.50
4 wf	665@128.00
5 mix	666@126.00
4 mix	620@121.00
9 mix	797@130.00
4 blk	714@129.50
6 blk	782@129.00
6 mix	734@128.00
5 blk	827@131.25
9 mix	822@126.00
6 mix	847@121.00
8 blk bred	1033@1350.00
4 blk bred	1185@1430.00

**STEERS**

6 Char	387@192.00
6 blk	583@168.00
12 Char	587@164.00
12 mix	540@161.00
7 mix	567@155.00
6 blk	543@143.00
4 blk	604@154.00
7 mix	643@140.50
5 mix	696@139.00
12 blk	615@137.00
4 mix	625@121.00
32 mix	708@146.50
7 blk	712@145.00
9 blk	729@145.00
5 mix	730@143.00
57 mix	740@142.50
4 wf	739@138.00
30 mix	728@134.00
10 blk	835@140.00
13 blk	857@139.00
8 mix	811@138.75
187 blkbwf	808@138.00
5 mix	859@138.00
67 mix	825@137.00
8 mix	884@136.50
74 mix	893@135.50
10 mix	908@136.00
19 blk	986@134.00
4 blk	984@132.00
7 mix	954@131.50
11 mix	1007@123.25

**ANNIVERSARY SALE JANUARY 17th**

- 35 blk & bwf str & hrs longtime weaned, 400-600 lbs
- 80 blk & blkwf str & hrs, 90 days weaned, 2 rds shots, McCabe & Hillhouse genetics, 500-700 lbs
- 20 red Angus str & hrs, longtime weaned & 2 rds shots, 500-700 lbs
- 63 blk & blkwf str & hrs, longtime weaned & 2 rds shots, 500-700 lbs
- 30 blk str & hrs, longtime weaned, 525-575 lbs
- 85 blk Brangus str & hrs, longtime weaned & running out, 550-775 lbs
- 30 red Angus str, longtime weaned 600-700 lbs
- 36 blk & red str & hrs, longtime weaned 600-800 lbs
- 60 blk & red str & hrs, longtime weaned, 600-800 lbs
- 20 blk str, longtime weaned & 2 rds shots 650-750 lbs
- 20 mostly blk hrs, longtime weaned 650-750 lbs
- 300 blk & bwf str & hrs, longtime weaned 650-875 lbs
- 150 blk & bwf str, long time weaned, fancy, 650-900 lbs
- 100 blk & bwf str & hrs, long time weaned, 650-900 lbs
- 40 blk hrs longtime weaned, 700-750 lbs
- 35 blk str & hrs, long time weaned, 700-800 lbs
- 8 blk hrs 750-800 lbs
- 62 blk & red str 750-825 lbs
- 350 blk red & Char str 775-875 lbs
- 160 mostly red Angus str 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.**

**To see consignments go to: [emporialivestock.com](http://emporialivestock.com)**







## Excellence Can Cut Costs

**By Miranda Reiman**  
Working as a waitress throughout high school, I hated the sight of an empty table. It meant one less chance to make a tip.

In fact, if it were a slow day at Perkins, and there

were too many tables without customers, they'd just start letting servers go home early.

When saving for a car that will get you to college, you don't want your section to be the one they

# USDA to gauge financial well-being of Kansas farmers and ranchers

In late December, the U.S. Department of Agriculture's National Agricultural Statistics Service (NASS) began gathering information about farm economics and production practices from farmers and ranchers across Kansas, as the agency conducts the third and final phase of the 2017 Agricultural Resource Management Survey (ARMS).

"ARMS is the only survey program that allows anyone to clearly see the current financial well-being of Kansas producers and their households as a whole," said Doug Bounds, Kansas state statistician. "The results of this survey will serve as a primary source of information for numerous local and federal policies and programs that affect Kansas farms and farm families," NASS conducts

# Join K-State ASI in Manhattan on March 1 and 2 for Stockmen's Dinner, Cattlemen's Day and Legacy Sale

Mark your calendars to join the Kansas State University Animal Sciences and Industry faculty and staff in Manhattan on March 1 and 2 for the 2018 Stockmen's Dinner, Cattlemen's Day and Legacy Sale.

The 48th annual Stockmen's Dinner will take place on March 1 beginning at 6 p.m. at the Four Points by Sheraton Hotel in Manhattan. Sam Hands will be honored as the 2018 Stockman of the Year during the dinner. A separate registration is required for the dinner. Registration will be available online at [www.ksu.edu/rsvp/asi](http://www.ksu.edu/rsvp/asi) or by contacting Chelsea Albrecht at 785-532-7584.

The 105th annual

K-State Cattlemen's Day will be Friday, March 2 hosted in Weber Hall. The day will start at 8 a.m. with refreshments, educational exhibits and a commercial trade show. The program begins at 10 a.m. Lunch will be provided. Visit [KSUBeef.org](http://KSUBeef.org) for a detailed schedule and registration information as it becomes available.

The 41st annual Legacy Sale will begin at 3:30 p.m. at the Stanley Stout Center. To learn more about this year's offering and to request a sale catalog visit [asi.ksu.edu/legacysale](http://asi.ksu.edu/legacysale).

There is a block of rooms for events at the Four Points by Sheraton. The rate is \$80 plus tax. To make a reservation

close.

Until a few months ago, I had never thought about that from a restaurant-wide, economics standpoint.

Then I heard the owner of one of the largest steakhouses in Texas talk about the cost of an empty table. Just a single, two-person table, sitting empty every night could reduce his sales by almost \$100,000 annually.

The strategy to keep that from happening hinges on everything from customer service to food quality to what's on the menu, but it's all based on the idea of getting repeat customers.

Decisions on cutting costs are never taken lightly, because on the other

end of that choice is a consequence.

"I will refuse to make a decision on a contract, sitting in my office, looking at a spreadsheet," the restaurateur said. "I make that decision, instead, walking down to the dining room and looking at my customers and talking to them, because if the customer doesn't benefit from my decision, I will not benefit from my decision."

He acknowledged food cost is a big deal, a large portion of the budget. That's why it's so alluring to try to find ways to cut corners.

Substitute the cost of food for genetics or health products and that statement begins to sound like something you can relate

ARMS jointly with USDA's Economic Research Service (ERS). In an effort to obtain the most accurate data, the federal agencies will reach out to more than 35,000 producers nationwide, including 1,781 in Kansas, between now and April. The survey asks producers to provide in-depth data on their operating expenditures, production practices and household characteristics.


"We realize that this survey is lengthy and some producers may have questions or need clarification," explained Bounds. "In February, our interviewers will begin reaching out to those farmers who have not yet responded to answer any questions they may have and help them fill out their questionnaires."

In addition to accurate data, NASS is strongly com-

call 785-539-5311 and ask for the LMIC Stockman's Dinner 2018 block. The block cut-off date is February 1, 2018.

Watch for more information about all three

events to be posted to [asi.ksu.edu](http://asi.ksu.edu) in the next couple weeks or for questions about any of the events, please contact Lois Schreiner at 785-532-1267 or [lschrein@ksu.edu](mailto:lschrein@ksu.edu).



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

[www.centrallivestockks.com](http://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**

**Results From January 9<sup>th</sup> Sale:**

Steers:		Heifers:	
300-400#	\$166.00-\$210.00	300-400#	\$130.00-\$174.00
400-500#	\$162.00-\$208.00	400-500#	\$120.00-\$171.00
500-600#	\$126.00-\$195.00	500-600#	\$122.00-\$160.00
600-700#	\$129.00-\$164.00	600-700#	\$119.00-\$145.50
700-800#	\$124.00-\$148.00	700-800#	\$117.00-\$138.00
800-900#	\$123.00-\$143.50	800-900#	\$116.50-\$133.50
900-1000#	\$123.00-\$133.50	900-1000#	\$119.00-\$121.00

**Sat., Jan 20<sup>th</sup>- Hog/Sheep/Goat Sale**  
**Tues., Jan 23<sup>rd</sup>- Holstein Special**  
**Sat., Feb 3<sup>rd</sup> - Horse & Tack Sale**

## VALENTINE LIVESTOCK

### AUCTION CO. Valentine, Neb.

**THURSDAY, January 18, 2018**

**Special Bred Female & Regular Sale**

**S.T. 9:45 a.m.; Weigh-ups & Breds at 1:00 p.m.**

**Heifers:**

200 ..... blk (1000-1125) bred Ang; cf 3-15, 45 days. Home Raised. Baldridge genes for over 30 years. Reversed for composition, maternal instincts, and carcass outcome.....

32..... Angus & blk (1150#) A.I. bred Angus (Niagara); cf 2-20 for 40 days. Best end, big bodied & great temperament. HR.....

90..... blk (1050-1100#) sync & A.I. Ang (EF Compliment & MB Hitchcock);cf 2-20 for 1 day. Cleaned up Ang for 40 days Home Raised. Yrs of ABS gene input .....Lyle Phillips (308-546-2540)

45..... blk & Ang (1050-1100#) sync & A.I. bred Ang (Barstow Bank Roll); cf 2-25, 1 day. Home Raised.....

100 ..... Angus (1050-1075#) sync. & A.I. bred Angus (Con. Comrade); cf 2-25 for 2 days. Origin 1 ranch-one iron-top of 500 hd Angus design & Angus shine .....Rick & Missy Weber (402-389-1406)

60..... blk (1150#) bred LBW Angus; cf 3-4 for 14 days. Deep, soggy bottom kind .....Rick & Missy Weber (402-389-1406)

40..... blk (1100-1150#) 10 hd A.I. bred Angus (Image Maker); cf 2-10 for 1 day, 15 A.I. bred Angus (Image Maker); cf 2-24 for 1 day, 15 bull bred Angus (Image Maker); cf 3-7 for 50 days .....Joe McKittrick (701-523-1235)

50..... blk (1050-1100#) 25 sync & A.I. bred Ang (Effective & Whitlock) cf 2-20; 25 bull bred Ang; cf 3-1, 21 days gentle, and nice to be around.....Justin Heath (605-840-5052)

30..... Hereford (1050-1100#) bred blk; cf 3-1 for 40 days. Origin Carlson Rn.....

30..... rd Angus (1000#) sync & A.I. bred rd Angus;cf 2-20 for 30 days. Main cut of 100 hd, High likeability score. HR .....Dennis Bammerlin(402-497-2519)

53..... rd Angus (1000#) bred rd Angus; 38 hd cf 3-28 to 4-17; 15 hd cf 4-18 to 5-5. HR.....Kevin Hodson (605-685-4796)

40..... bwf(f-1) (1000#) sync. & AI'd bred Ang; cf 3-20 for 2 days (emblazon 999) cleaned up Angus/Capitalist Sons for 25 days) Home Raised .....Dennis Bammerlin(402-497-2519)

25..... Angus (1000-1050#) bred Angus (Basin); 15 hd cf 3-15 to 4-1/ 10 hd cf 4-1 to 4-15 .....Brian Brennemann (308-458-2411)

10..... Angus (1100#) bred Angus (Barstow); cf 2-20 for 42 days. HR, top end kind .....Carl Frauen Est.

**Dispersions & Liquidations:**

128 ..... Angus & blk (3-7yrs) sync.&AI'd bred Angus(Niagara); cf2-20 for 55 days. Complete Dispersion. Sorted in age groups(40 hd, 3-4 yrs.) Long time AI program, emphasis on fleshing ability. Sandhills adapted .....Steve & Kim Crowe(402-322-9600)

250 .... blk, bwf (40 rd, rd-x) (3-8 yrs (approx. 150 hd 5 yrs & younger); 1250-1350#) bred Angus (21 Angus Rn (Capitalist, Great Plains & Really Wily sons)); cf 3-20 for 70 days. Short on summer (Angie, ran in a high altitude environment In 2017. Liquidation.....Joe McKittrick (701-523-1235)

40..... Angus (1200-1400#) (3-10 yrs) (15 hd 3yrs) bred Angus; cf 3-10 for 40 days. Liquidation of bull breds, purebred Angus .....Butler Angus (Joe 402-376-4919)

32..... blk, bwf (3-4 yrs; 1300#) bred Angus; cf 3-1 for 90 days. Total liquidation .....Davis Ranch (Avery 605-840-1364)

83..... rd (52 hd) (3-5 yrs) bred rd Angus (Bieber), Pieper, Huettle; cf 3-20 for 60 days & blk (31 hd) (5-6 yrs) bred char; cf 3-20 for 60 days .....Pennypoke Rn (Bradley 402-360-2690)

42..... rd Angus, rd-x (22 hd @ 3 yrs; 15 hd 4-7 yrs; 5 hrs bred rd Angus) bred rd simm; cf 3-25 for 65 days. Dispersion .....Jon Elsassner(605-842-5312)

**Other Bred Females:**

42..... blk, few bwf (19 hd solid-balance short term) bred blk (Jorgensen); cf 3-25 for 55 days.....Wachob Cattle LLC

25..... blk, blk-x (running age) sync & A.I. bred Angus & comp. ;cf 4-15 for 30 days .....Diamond Lazy J 22..... Hereford, hereford/Angus-x (short term) bred Hereford & rd Angus; cf 3-1 for 55 days. Ken Stephens

20..... Angus & blk (young) bred Angus; cf 4-25 for 35 days. Ultrasound pregged.....Phil Miller Angus

30..... rd Ang (short term; 1400#) bred rd Angus; cf 3-28 for 60 days. HR.....Hodson RN

**Plus more from: Frauen (25), Kinsley(61), Bonafield(18), Ross(15), Hippen(10), Schmidt(7), Sharkey(20), Woodworth(12), Duck Bar(6)**

**View our special sales online @ [cattleusa.com](http://cattleusa.com)**  
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For complete listing visit our website: [www.valentinelivestock.net](http://www.valentinelivestock.net)

to as well.

Imagine he's not a steakhouse owner, but rather a cattle feeder or a rancher. Doesn't this account ring true in all segments of the beef community?

"Here is the sin in my business, right here: temptation to buy cheaper. We spend a lot of time in our business trying to buy smarter. I don't want to buy cheaper," he said.

Instead, he serves the best beef he can, because "mediocracy is everywhere."

Selling excellence brings people in the door. It keeps the tables full.

It's still a matter of cutting costs, really. Opportunity cost, that is.

On the live cattle side, we have our own version

of the empty table. Nobody wants a shallow crowd or disinterested bidders at the auction barn when your calves walk in, or a lack of response to calls about possible private-treaty sales. After a buyer procures your cattle once, you want to keep them coming back for more, just like the regulars at that steakhouse.

That begs the question: Are there any places in your operation that could use a little more cost cutting, by way of adding excellence?

*Next time in Black Ink®, Nicole Lane Erceg will relate pigs, people and profits to your cattle business. Questions? E-mail [mreiman@certifiedangusbeef.com](mailto:mreiman@certifiedangusbeef.com).*

mitted to confidentiality. The agency will only publish data in an aggregate form. This helps safeguard the confidentiality of all responses, ensuring no individual respondent or operation can be identified.

The economic data gathered in ARMS will be published in the annual Farm Production Expenditures report on August 2, 2018. All NASS reports are available online at [www.nass.usda.gov](http://www.nass.usda.gov). ERS also plans to release a series of reports based on ARMS data. All of these reports will be available on the agency's site at [www.ers.usda.gov](http://www.ers.usda.gov).

For more information about the 2017 Agricultural Resource Management Survey visit [www.nass.usda.gov/go/ARMS](http://www.nass.usda.gov/go/ARMS).

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# GRASS & GRAIN

Place a classified ad or subscribe online at [grassandgrain.com](http://grassandgrain.com)

**Holton Livestock Exchange, Inc.**  
1/2 mile East of Holton, KS on 16 Highway

**Livestock Auction every Tuesday at 12 NOON**  
*Serving the Midwest Livestock Industry for 65 Years!*  
**\*\*\*\*STARTING TIME: 12:00 NOON\*\*\*\***

**RECEIPTS FOR WEEK OF JAN. 9 2217 CATTLE. VIEW RESULTS ON OUR WEBSITE.**

**JANUARY 19 — SPECIAL COW & BULL AUCTION--6 P.M.**  
35 blk open replacement hfrs 700-750 OCV & vacc Double B Ranch  
5 blk bred hfrs bred to Angus Valley angus for Feb. 8 calving Double B Ranch  
4 blk bwf cows 3-4 yrs bred Final Answer or Connealy In Focus for Feb. 8 calving Double B Ranch  
10 blk cows 3 yrs bred blk angus bull for March-April calves T Schrock  
2 bwf cows/blk bwf Aug calves, bred back Simm/Ang bull 7-9 yrs R Rodvelt  
2 char x cows 3 yrs bred blk Simm/Ang bull for March calves R Rodvelt  
10 mix cows/fall calves running age P Simmons  
16 month char bull Aristio 628 Mary BW 76 WW 688 YW 1247 F Holloway

**JANUARY 23--REGULAR WEEKLY AUCTION--12 NOON**  
**JANUARY 30--REAL ESTATE AUCTION FOR EVELYN L. (MELLENBRUCH) LEWIS ESTATE--SELLING 63 ACRES JACKSON COUNTY KANSAS FARM GROUND 11 A.M.**  
**JANUARY 30--REGULAR WEEKLY AUCTION--12 NOON**

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**Danny Deters, Corning, Auct. & Field Rep • 785-868-2591**  
**Dick Coppinger, Winchester, Field Rep. • 913-774-2415**  
**Steve Aeschliman, Sabetha, Field Rep. • 785-284-2417**  
**Larry Matzke, Wheaton, Field Rep. • 785-268-0225**  
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**EMAIL: [dan@holtonlivestock.com](mailto:dan@holtonlivestock.com)**

*View our auctions live at "Imaauctions.com"*

## Eureka Livestock Sale

**P.O. Box 267 Eureka, KS 67045**  
**620-583-5008 Office 620-583-7475**

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

*Like Us On Facebook!*

**On Thursday, January 11 we had 632 head of cattle with mostly cows and bulls due to the Ice Storm.**

STEERS		HEIFERS	
3 blk 438@183.00	8 bkred 705@144.00	5 blk 505@153.00	
8 bkred 649@143.75	7 blk 557@147.00		
8 bkred 628@163.50	10 bkrgy 786@144.00	6 bkbfw 533@142.00	
9 blk 569@161.00	13 bkX 842@139.25	16 blk 535@141.25	
13 blk 580@155.00		6 blk 638@136.50	
4 blk 573@151.00	1 blk 390@161.00	8 blk 693@135.00	
4 blk 630@145.00	4 blk 413@154.00	9 blk 628@130.50	

**Butcher Cows: \$33-\$65, mostly \$55-\$62, \$2-\$3 lower but very active.**  
**Butcher Bulls: \$55-\$78, mostly \$68-\$75, \$2-\$3 lower on a light test.**  
**Preg Cows: \$650-\$1,225**

BUTCHER COWS		2 bkred	
1 Limo 1475@65.00	2 blk 1705@61.50		
1 Limo 1445@64.00	2 blk 1575@61.00		
4 Gelv 1453@63.50	3 blk 1843@60.50		
3 Gelv 1562@61.50	7 blk 1425@60.00		
	1630@59.00		

**EARLY CONSIGNMENTS FOR JAN. 18**

- 250 bwf strs & hfrs, 450-650 lbs, dry wintered, home raised, long time dbl vac & weaned.
- 250 blk bwf rbf strs & hfrs, 500-750 lbs, home raised, long time weaned & vac.
- 76 blkSimm X strs, 875-925 lbs, home raised, long time weaned & dbl vac.
- 57 Angus strs, 700-800 lbs, home raised, long time weaned & dbl vac.
- 47 Angus hfrs, 550-700 lbs, home raised, long time weaned & dbl vac.
- 60 Angus & bwf strs & hfrs, 700-850 lbs, home raised, long time weaned & dbl vac.

We appreciate your business!!

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



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Grass & Grain, January 16, 2018

Gallagher named president of Heartland Plant Innovations

A veteran of the agricultural industry has been named the president and chief executive officer of Heartland Plant Innovations, Inc. (HPI) in Manhattan.

Dusti Gallagher, who has owned and operated Fritz Consulting, an agricultural marketing consulting company, since 2010, begins the position on February 5, 2018. As the founder of Fritz Consulting, Gallagher provided leadership and management services to agricultural companies including organization leadership and management, employee recruitment, staff and board development, strategic and financial planning, and goal initiation and execution. She previously served as the Strategic Lead for Sorghum and Co-Director for Developing Sorghum Doubled Haploid Technology with HPI.

"I am honored and excited to serve agriculture in this new role at HPI, a premier plant biotechnology company," said Gallagher. "We have the staff, expertise and capacity to develop cutting-edge technologies for tomorrow's agriculture. I look forward to advancing HPI's core businesses and the opportunity to bring new, innovative solutions for the crop improvement, agriculture and food industries."

Heartland Plant Innovations is a for-profit company which aims to be a world-class provider of genetic technology that solves problems for the crop improvement, agriculture and food industries. HPI is a modern plant science company founded in 2009 by a group of public and private-sector partners including agricultural producers, public institutions, and prominent companies in the plant genetics and food science sectors. Located in the Kansas Wheat Innovation Center, HPI has access to state-of-the-art facilities and equipment.

"The HPI Board of Directors and stakeholders look forward to having Dusti as the next president and CEO," said Justin Gilpin, chairman of the board. "She will be able to provide hands-on scientific and business leadership to strengthen and expand HPI's business services and provide direction to HPI's research program to ensure timely attainment of goals for priority research projects."

HPI has laid the foundation for two core businesses: 1) Advanced Plant Breeding Services, currently serving customers in North America, Europe and South America, and 2) Sponsored Research, which aims to deliver novel genetic traits for commercialization by breeders in the private and public sectors. HPI applies advanced technologies for gene discovery, trait validation and crop improvement to deliver new products and production platforms that target high-value market opportunities. HPI works in a highly collaborative fashion with partners in industry and academia, focusing on food and crop genetics.

Reporting to the HPI board of directors, Gallagher will be responsible for managing all research, operational, commercial, administrative and financial operations for the company.

Prior to founding Fritz Consulting, Gallagher was the chief executive officer of Kansas Wheat, a producer led organization. She led the restructuring of Kansas Wheat Commission and Kansas Association of Wheat Growers and also managed policy and leadership development programs, conducted research and marketing activities, and managed a staff of six employees. In this capacity, she participated in several national industry committees. Gallagher has also served three years as Western States regional director of the United Sorghum Checkoff Program, developing and carrying out producer outreach and marketing programs across a five-state region.

Gallagher began her agricultural career as the wheat analyst for the Foreign Agricultural Service, United States Department of Agriculture. She was responsible for global wheat situation and prepared the wheat outlook for FAS's monthly publication covering global trade in grain.

Gallagher, a native of Oklahoma, received bachelor's and master's degrees in Agricultural Economics from Oklahoma State University. She currently resides in Wamego with her husband, Paul, and two children, Maya and Nathanael.

Tractor Supply, FFA looking for FFA projects to fund

Local FFA chapters in search of funding for their next animal science lab, community garden or other noteworthy agricultural project, take note.

Tractor Supply Company, the largest rural lifestyle retailer in the United States, will soon launch its third annual Grants for Growing campaign—a competitive grant program designed to support local FFA chapters across the country that want to make a difference in their communities through sustainable agriculture-focused projects.

To qualify for a grant, FFA advisors must visit <http://www.FFA.org/grants-forgrowing> and submit an application by Monday, February 14, 2018. The submission process requires entrants to provide a detailed proposal, including how they will start, maintain or expand on a project that will benefit their communities.

Grants, which are awarded to chapters in the spring, have a minimum value of \$500 and a maximum value of \$5,000.

Since 2016, Grants for Growing has raised more than \$1.4 million for the National FFA Organization, including a record setting \$731,000 in 2017. In total, the initiative has funded 692 grants supporting projects involving 69,134 students.

Notable 2017 grant recipients include a hydroponic vegetable garden from the Hart County FFA and the King City FFA chapter's Agriculture Day, where sixth-graders were given the opportunity to learn more about technology in agriculture.

FFA is well-known for its civic-centered initiatives, and Grants for Growing is Tractor Supply's way of supporting the students who are striving to make their communities better, more sustainable places," said Jessica Holmes, marketing manager at Tractor Supply Company. "Whether it's a project focused around greenhouse development, public landscaping or livestock, by applying for a grant FFA advisors help increase their students' ability to make long-term community impacts."

To support the program, Tractor Supply will host a 10-day in-store fundraising period February 16-25, which will give customers the opportunity to donate at checkout. All in-store donations will remain within the state they are donated.

For more details about the program, visit <https://www.FFA.org/grants-forgrowing>.

Grass & Grain Weather Report

Jan. 17, 2018

Seven Day Forecast

WEDNESDAY

Mostly Sunny

High: 25 Low: 18

THURSDAY

Partly Cloudy

High: 30 Low: 23

FRIDAY

Cloudy

High: 34 Low: 27

SATURDAY

Cloudy

High: 37 Low: 30

SUNDAY

Partly Cloudy

High: 33 Low: 26

MONDAY

Sunny

High: 27 Low: 20

TUESDAY

Mostly Sunny

High: 31 Low: 24

In-Depth Local Forecast

Today we will see mostly sunny skies, high of 25°, humidity of 50%. South southeast wind 3 to 7 mph. The record high for today is 68° set in 1986. Expect partly cloudy skies tonight, overnight low of 18°. South southeast wind 8 mph. The wind chill for tonight could reach 8°.

Last Week's Almanac

Date	Hi/Lo	Normals	Precip
1/5	31/12	40/18	0.00"
1/6	35/9	40/18	0.00"
1/7	48/32	40/18	0.00"
1/8	55/17	40/18	0.00"
1/9	61/31	40/18	0.00"
1/10	58/39	40/18	0.00"
1/11	49/15	41/18	0.30"
Rainfall	.....	0.30"	
Normal rainfall	.....	0.12"	
Departure	.....	+0.18"	
Average temp	.....	35.1°	
Average normal	.....	29.1°	
Departure	.....	+6.0°	

This Week's Sun & Moon Chart

	Day	Sunrise	Sunset	Moonrise	Moonset	
First	Wednesday	7:43 a.m.	5:30 p.m.	8:01 a.m.	6:16 p.m.	Last
1/24	Thursday	7:43 a.m.	5:31 p.m.	8:40 a.m.	7:13 p.m.	2/7
	Friday	7:42 a.m.	5:32 p.m.	9:16 a.m.	8:10 p.m.	
	Saturday	7:42 a.m.	5:33 p.m.	9:49 a.m.	9:09 p.m.	
Full	Sunday	7:41 a.m.	5:35 p.m.	10:20 a.m.	10:09 p.m.	New
1/31	Monday	7:40 a.m.	5:36 p.m.	10:51 a.m.	11:09 p.m.	2/15
	Tuesday	7:40 a.m.	5:37 p.m.	11:22 a.m.	Next Day	

Local UV Index

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

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

Weather History

Jan. 17, 1990 - Twenty cities across the southeastern United States reported record high temperatures for the date. Record highs included 61 degrees at Williamstown, Pa. and 85 degrees at Brownsville, Texas.

Growing Degree Days

Date	Degree Days	Date	Degree Days
1/5	0	1/9	0
1/6	0	1/10	0
1/7	0	1/11	0
1/8	0		



Sell At St. Marys

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

We sold 2522 cattle January 9. Steer and heifer calves were in good demand at steady prices. Feeder steers and heifers sold \$5.00-10.00 lower. Cows and bulls were \$2.00-3.00 higher.

STEER & BULL CALVES

7 blk str

504 @ 194.00

4 blk str

400 @ 188.00

4 blk str

465 @ 187.00

2 blk str

333 @ 186.00

5 blk/red str

400 @ 186.00

5 blk str

415 @ 186.00

2 red/bwf str

423 @ 185.00

3 blk/red str

495 @ 184.50

2 blk bulls

418 @ 184.00

2 blk str/bulls

310 @ 184.00

4 blk/bwf str

500 @ 183.00

7 blk/bwf str

514 @ 182.00

6 blk str

379 @ 180.00

3 blk str

450 @ 180.00

8 blk/char str

504 @ 180.00

3 x-bred str

482 @ 179.00

2 blk str

485 @ 175.00

5 blk/bwf bulls

544 @ 163.00

STOCKER & FEEDER STEERS

15 blk str

572 @ 177.75

8 blk/bwf str

579 @ 173.50

23 blk str

575 @ 170.25

5 blk str

590 @ 165.00

8 blk str

603 @ 165.00

16 blk/red str

571 @ 162.50

5 blk str

626 @ 160.50

7 blk str

580 @ 160.00

10 blk/red str

602 @ 159.50

8 blk str

624 @ 159.50

7 blk str

638 @ 159.00

9 blk/bwf str

634 @ 155.50

13 blk/bwf str

680 @ 155.25

11 blk str

575 @ 155.00

11 blk str

698 @ 154.25

13 blk/bwf str

706 @ 154.25

15 blk/bwf str

690 @ 154.00

80 blk/bwf str

667 @ 153.50

67 blk str

717 @ 152.75

7 blk/bwf str

715 @ 151.50

23 blk str

723 @ 150.75

40 blk/bwf str

767 @ 150.25

60 blk/bwf str

852 @ 149.50

11 blk/char str

764 @ 147.75

22 blk str

836 @ 147.00

7 blk str

754 @ 146.50

63 blk/char str

839 @ 146.50

11 blk/bwf str

788 @ 146.25

41 blk/bwf str

722 @ 145.50

9 blk str

728 @ 145.50

11 blk str

790 @ 145.25

62 mix str

862 @ 145.25

6 blk str

828 @ 145.00

39 blk/bwf str

838 @ 143.75

13 blk str

752 @ 152.50

13 blk/wf str

872 @ 141.25

8 blk str

809 @ 140.50

124 mix str

858 @ 140.00

62 blk/bwf str

872 @ 140.00

59 blk/bwf str

877 @ 140.00

124 mix str

854 @ 138.00

34 blk/red str

799 @ 137.50

56 blk/bwf str

943 @ 135.25

12 blk str

947 @ 133.50

61 mix str

984 @ 132.50

11 blk/bwf str

1009 @ 129.00

HEIFER CALVES

2 blk hfr

318 @ 158.00

4 blk/bwf hfr

514 @ 158.00

12 blk/bwf hfr

503 @ 156.00

7 blk hfr

489 @ 153.00

4 blk/bwf hfr

375 @ 152.00

11 blk/bwf hfr

489 @ 152.00

7 blk hfr

549 @ 152.00

8 blk hfr

418 @ 150.00

4 blk hfr

443 @ 148.50

7 blk hfr

454 @ 146.00

5 blk/sim hfr

436 @ 145.00

STOCKER & FEEDER HEIFERS

42 blk hfr

625 @ 152.25

25 blk/char hfr

640 @ 149.75

8 blk/bwf hfr

656 @ 148.00

7 blk hfr

596 @ 146.00

25 blk/red hfr

650 @ 145.25

7 blk hfr

554 @ 145.00

4 blk hfr

635 @ 144.50

17 blk/bwf hfr

619 @ 143.50

11 blk hfr

679 @ 143.25

23 blk/bwf hfr

680 @ 142.25

13 blk/bwf hfr

609 @ 142.00

10 blk hfr

590 @ 139.50

17 blk hfr

599 @ 139.00

7 blk hfr

688 @ 138.00

40 blk/red hfr

733 @ 138.00

12 blk hfr

641 @ 137.50

8 blk hrs

699 @ 137.50

75 blk/bwf hfr

731 @ 137.50

7 blk/sim hfr

670 @ 135.00

6 bwf hfr

710 @ 135.00

34 blk hfr

752 @ 135.00

70 blk/bwf hfr

798 @ 134.00

14 blk/char hfr

770 @ 133.00

51 blk/bwf hfr

745 @ 132.50

34 blk/bwf hfr

823 @ 131.75

67 blk/red hfr

848 @ 131.25

18 blk/bwf hfr

658 @ 130.50

36 blk/char hfr

799 @ 129.50

COWS & HEIFERES

1 brang hfr

1065 @ 105.00

1 x-bred hfr

915 @ 70.00

1 blk cow

925 @ 67.00

1 brang cow

1335 @ 65.50

1 sim cow

1225 @ 65.00

1 blk cow

1335 @ 64.50

1 blk cow

1410 @ 64.00

1 x-bred cow

1525 @ 63.50

1 blk cow

1730 @ 63.00

1 blk cow

1445 @ 62.50

1 bwf cow

1665 @ 62.00

2 blk/bwf cows

1275 @ 61.50

1 brang cow

1675 @ 61.00

1 bwf cow

1465 @ 60.50

2 blk/bwf cows

1420 @ 60.00

1 blk cow

1485 @ 59.50

1 x-bred cow

2135 @ 59.00

1 wf cow

1390 @ 58.00

2 brang cows

1288 @ 57.50

2 brang cows

1083 @ 56.00

1 bwf cow

1195 @ 55.50

1 blk cow

1310 @ 55.00

1 x-bred cow

1295 @ 54.50

1 blk cow

1470 @ 53.50

2 brang cows

1030 @ 52.50

1 blk cow

1170 @ 52.00

1 blk cow

1285 @ 50.00

BRED COWS

1 blk cow

@ 1260.00

1 blk cow

@ 1070.00

1 blk cow

@ 1050.00

1 blk cow

@ 1000.00

1 wf cow

@ 950.00

1 bwf cow

@ 950.00

1 blk cow

@ 910.00

2 blk cows

@ 880.00

2 blk cows

@ 870.00

3 blk cows

@ 800.00

1 blk cow

@ 790.00

2 blk cows

@ 650.00

BULLS

1 brang bull

2100 @ 89.50

1 blk bull

2200 @ 87.50

1 blk bull

1915 @ 84.50

1 blk bull

1280 @ 82.00

1 blk bull

1920 @ 80.00

1 blk bull

1315 @ 77.50

1 blk bull

2490 @ 71.50

1 blk bull

2020 @ 70.00

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to [www.grassandgrain.com](http://www.grassandgrain.com) & logging onto the online subscription

FOR INFORMATION OR ESTIMATES:

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ST. MARYS, 785-437-6349

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KENNETH REZAC

ST. MARYS 785-458-9071

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TOPEKA, 785-286-1107

LYNN REZAC

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