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Tallgrass Prairie Visitor Center interprets the Flint Hills

By Lucas Shivers

A new visitor center and office complex at the Tallgrass Prairie National Preserve (TAPR) combines environmental sustainability and sensitivity to the local cultural landscape.

"The features of interest at the visitor center help us explain and share about the use of the land and landscape," said Heather Brown, Chief of Interpretation and Visitor Services. "The center was built to utilize resources with respect to the natural and cultural setting. Built into the hill much like the ranch house and barn, the center blends into the Flint Hills, yet gives modern differences."

Established as the 370th unit of the National Park Service in 1996, the site protects some of the last remnants of the tallgrass prairie ecosystem. TAPR features the historic Spring Hill Ranch with more than 40 miles of hiking trails and outdoor areas on Hwy. 177 near Strong City.

"When walking up to the visitor center, visitors experience a map of the historic ranch spread out on a table with tactical features to share the layout of the historic buildings in relationship with the landscape to feel the topography slope," Brown said.

Operating as a public-private partnership, TAPR is in partnership with The Nature Conservancy, who also shares office space in the north end of the building with the National Park Service. While the prairie is open 24 hours a day, seven days a week, the visitor center is open almost every day from 8:30 a.m. to 4:30 p.m.

"People always comment that it's so peaceful on the prairie with wide open expanse – a lot to see, hear and do," Brown said.

Tallgrass prairie once



The new visitor center at the Tallgrass Prairie National Preserve is designed to foster an understanding of the importance of the last remnant of tallgrass prairie found mostly in the Kansas Flint Hills.



Before heading out to explore, the center provides visitors with information to help them understand the unique features of the prairie. *Photos by Rachel Shivers*

covered 170 million acres of North America. Today less than 4% remains, mostly in the Kansas Flint Hills. TAPR protects a nationally significant remnant, and the center helps with deeper understanding and interpretation of the site.

From the groundbreaking in Nov. 2010 to the building dedication in July 2012, the final exhibits inside are complete, except for a few final touches.

"We enjoyed the movie and loved the aerial shots," said Peggy and David Graham, visitors from Olathe. "I really liked it because it's not

too in-depth. It's just the right amount of information with a good place for kids for interact."

The goal of the LEED Gold qualified center sought to blend into the existing landscape within its close proximity to key cultural buildings, without confusing the center with those buildings.

"Several key features were intentionally designed to blend in with the ranch buildings, from large windows to capture light to our modern skylights," said Brown, who has been with the TAPR for 13 years with

prior experience in D.C., Ft. Scott and other locations.

The center's native limestone facade on the exterior and the grass roof to mimic the sod roof of the original chicken house assist with blending into the Flint Hills landscape.

"The grass roof is a great educational opportunity because it leads to questions like, 'How thick is the soil; Do you mow it; Is it irrigated; Do you burn it,'" Brown said. "We do have water conserving methods with runoff and a sprinkler system inside the ten inches of soil on the roof. We'll mow for the first time this year. It took a while to get a good stand of grass. We sowed little bluestem, buffalo grass, side-oats and hairy grama native grass."

In the breezeway constructed with reclaimed lum-

ber, four painted panels represent seasons to visually experience the prairie with different animals, tracks and plants.

"As visitors go further into the breezeway, they can see a soil core sample with upland prairie soil and deeper soil from the bottom land with a tunnel for kids to crawl through," she said.

Once inside the visitor center, the seasonal focus continues past the information desk, which is used to help answer questions and house a small book store.

"We have available a 10-minute film on the prairie and the ranching legacy to provide orientation to the site," Brown said. "Beyond the film, we showcase the four seasons of the prairie depicted in a circle corridor, flowing from one season to

the next."

Areas of information cover geology, insects, wildlife and more.

"Magnifying glasses give an up-close look at several features in the circle corridor," Brown said. "Two full scale dioramas give spring and fall settings for the Flint Hills. In the middle circle core, we will talk about the cultural story. All of this put together, we hope that people will go out and explore and be part of it."

Also inside, a junior ranger station is set up in the alcove to involve kids. They can see and feel real grass samples of tall grass year round. Seasonal youth crews and volunteers also help maintain trails.

"We're moving in a positive direction to do more with youth and special events," Brown said.

Tallgrass Prairie National Preserve quick facts:

- In June 1994, at the request of U.S. Sen. Nancy Landon Kassebaum-Baker, the National Park Trust purchased the Spring Hill/Z Bar Ranch to assist in the creation of a national park.
- In November 1996, the 10,894-acre Tallgrass Prairie National Preserve was created as the 370th national park unit.
- In April 2005, the National Park Trust completed its mission at the preserve by transferring its land ownership to The Nature Conservancy, who now works closely with the National Park Service on a wide range of tallgrass prairie restoration projects.

Winners announced for 2015 Kansas Wheat Yield Contest

Kansas Wheat is proud to announce the winners of the 6th Annual Wheat Yield Contest. This year's top wheat yields belong to Doug Queen of Rossville; Darren Nelson of Hutchinson, and Darwin Ediger of Meade.

Doug Queen is this year's Eastern Region winner. Queen was encouraged to enter this year's contest by Doug Keas, last year's Central Region and Quality Initiative winner. Queen's winning plot was 11.94 acres planted with Armour (WestBred) and resulted in a yield of 70.3 bushels per acre.

Queen said, "After such a rough weather year, we couldn't believe that we made yields that high. Right down the road from our plot were about 250 acres that were hailed out, so we just had some good luck this year."

Darren Nelson is this year's Central Region winner. After a drought-induced "massive crop failure" in 2014, Nelson's last harvest went significantly better. He attributes most of this year's success to the good nutrient profile left behind in the soil by last year's crop. His plot was 8.756 acres planted with a T158 (Limagrain)/Everest (Kansas Wheat Alliance) blend. Nelson's prize-winning yield was 108.48 bushels an acre.

Nelson said, "I had read about the contest in the past, and as a farmer it's just something that you just know about. But this year we were able to protect it from disease, so I had a feeling that it would be a good crop."

Darwin Ediger is this year's Western Region Winner. Ediger, a farmer from southwest Kansas, said that fields in his area were highly variable.

Continued on page 3



Wear it Well

By John Schlageck,
Kansas Farm Bureau

Throughout the years, I've heard fellas talk about who ought to wear a cowboy hat and who shouldn't. These conversations are littered with the necessary skills a cowboy must acquire to wear a western hat. Some even suggest issuing a license to wear such apparel.

Most livestock men and women tend to dislike things artificial – you know, things that really aren't what they seem to be. They prefer the real deal, something genuine or steeped in the ranch or western tradition that came before them. They have a strong desire to

keep things the way they are and pass them on to the next generation when they're ready and able.

For starters, any self-respecting cowpoke needs to know how to ride, rope and handle cattle. This skill set includes moving, doctoring, cutting and branding – you know if you can't do most of these necessary cattle chores, maybe you shouldn't wear the hat.

So who really should?

Anyone who wears a western hat must have spent time in the saddle. That's a given.

So would a rancher who's never set foot in a stirrup and only pitched hay be allowed to sport a cowboy

hat?

Not really.

Anyone who's worked cattle with only chutes sure ought to be out of this discussion. Give 'em a permit for operating equipment instead. And of course they'd have to wear a gray or blue striped shirt for being a mechanic when the chutes fell apart.

Sheep herders and auctioneers would be in a real fix. Especially, if the sheep people claimed the derby before the auctioneer called, "sold."

Of course, all those race car fans, heck let them wear ball caps. And if they want something different – wear 'em with the bill facing forward.

All the rodeo fans and western cinema screen dreamers, not to mention museum-quality aficionados – no cowboy hats for them.

What about the old guys who run more cattle than a whole pack of coyotes'

fleas?

You know the ones with their short-brimmed Stetsons – they'd sure be sent packin'.

Oil barons, bums and anyone who wants to express some fashion statement about who they'd like to be, rather than who they really are, couldn't wear a cowboy hat either.

Would these true-blue cowboys license only a Mexican sombrero or would they accept a flat-crowned, flat brimmed cover with a little old snap in front tied on with a string?

Sure, go on and license who you think should wear a western hat. It's all about tradition and remember there ain't no room for tolerance and those less than proficient or true as judged by a few.

As for me, I'll be content to watch my old buddies sporting their headwear of choice – ole Dennis wearing his Nevada. Tim with his red bandana wrapped around his head. Bob in his 50-year-old Cattleman cinched tight against the wind. Bryan, whose hat looks like a mule sat on it since it was new, and Sam in

Continued on page 3

Prairie Ponderings

By Donna Sullivan

I don't believe I've ever shared with you my philosophy on getting offended. I'm a relatively hard person to offend, and here's why: I believe that 99% of the time, when someone says or does something that might offend me, they aren't meaning to. They simply didn't word something exactly the way they intended to, or didn't realize it might be offensive. So why waste time and energy being offended? The other 1% of the time, when someone might truly be TRYING to offend me, why in the world would I give them the satisfaction of succeeding in that mission? If it's a reaction they're after, why give it to

them?

That said, I truly believe that we are living in a society where a large number of people wake up each morning just looking for reasons to be offended. Once that reason is found, they now have a cause to champion with their righteous indignation and proceed to rush into our crazy world of social media to let their arrows fly. Pretty soon they find a few other people that didn't realize they were offended by this particular thing until it was pointed out to them, and they jump right onto the bandwagon with reckless abandon. Misinformation flies around unchecked, the cause gains momentum and before you know it, we have a bona fide movement on our hands. It doesn't have to even really make sense, because if it "goes viral," at some point it will catch the attention of the mainstream media who, if it's a slow news day, will treat it like a legitimate story.

Pardon me if I sound somewhat cynical and bitter – that's not my normal demeanor. But I'm just so tired of the craziest, most outlandish causes finding legitimacy in our society simply because somebody gets a wild hair and convinces a few hundred of their closest "friends" on social media to join them. I've seen businesses suffer, communities torn apart and friendships ruined over a few careless words



There are few things I find more relaxing or comforting than the cab of my tractor after the county fair. Don't get me wrong, I really enjoy the county fair. But all the hustle and bustle of the week leading up to it and the constant go, go, go of the fair makes me appreciate the relative calm and quiet of the hay field. That, and the need to be alone in a quiet place for a while. I am a people person but you know what they say about too much of a good thing.

This year's fair was a very good fair. It was complete with the usual array of highlights and disappointments. It even had the added excitement of a real life fire in one of the vendor's food trailers, not once but twice. All I will say is there is nothing better than a fire truck arriving during the beef show. Most of all this year's fair featured a time to reacquaint with old friends and the opportunity to meet new friends.

The county fair is the pinnacle event that all 4-Hers and FFA members work up to each year and their hard work was on display. I always find it tough when a whole summer's worth of work comes down to one person's opinion in a few short minutes. When you or your child is picked as the winner, nothing compares to the rush. But when you are at the other end of the lineup it can also be very frustrating.

I know I can get too focused on the ranking of my children's projects and it is easy to lose sight of what it is all about. I promise you that in five years, and often much sooner than that, no one will remember who finished where or what ribbon they received. I know this because I asked several young people this year. They could tell you about the animal they exhibited and what happened during the fair and often they had a vague idea of what ribbon they received but not the exact placing.

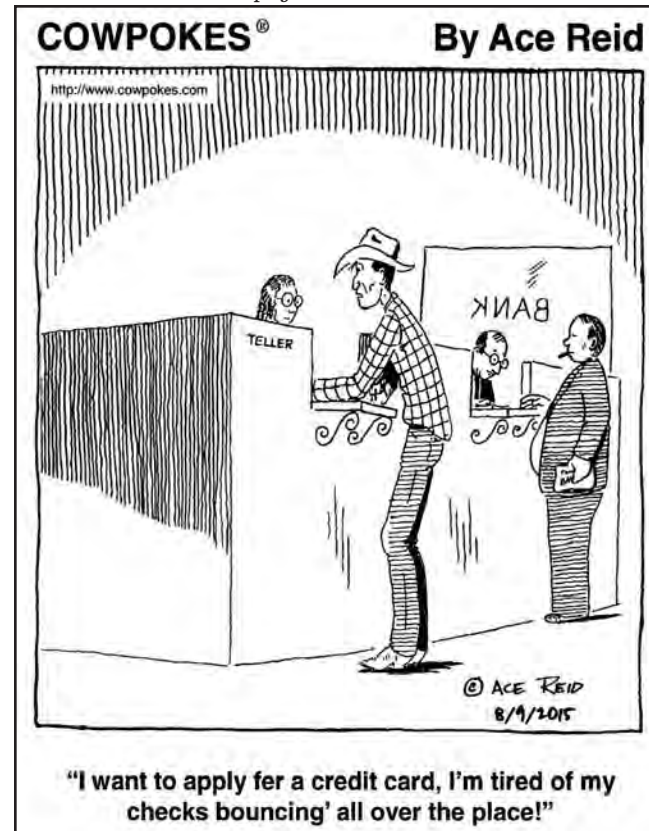
What I saw when I took a moment to observe, was groups of kids and adults gathered round the show box or leaning on the show ring fence. Some of the discussions were serious in nature but most often they involved laughter, good natured

ribbing and smiles. That is what the county fair is all about. We have to evaluate the projects because it is part of the process, but we also need to keep that part in perspective.

Ribbon color really is not that important (this is from a highly competitive person). However, I will say because of the pressure we put on ourselves and our kids, we have watered the whole system down. Somehow we have made red ribbons a failure and white ribbons an insult and that is not right. As a judge I will say that we have succumbed to peer pressure and often give out too many blue ribbons. Remember, the ribbon color is not a statement about the child or the amount of work they have done, it is just that judge's opinion at that time. We will revisit this some other time.

My point is that we get too hung up on how the project placed and often let that override the more important things going on at the fair. My moment this fair was when, near the end, I realized that during the entire fair I had fed the sheep once and that was only after being handed the bucket because the child feeding sheep had been summoned for something else. I was relegated to a little-used technical advisor and more often a runner for things out of the show box. After much of the pre-fair angst, I discovered my kids were really growing up and capable of doing things on their own without my prodding or nagging.

More importantly I watched as my kids spent time with their friends or worked with younger members and I thought back to my 4-H days and the most important part of fair became crystal clear. I do not remember anything about how any of my projects placed, but I still have friends I made during the fair. People and experiences are the most valuable part of any fair, not the ribbons or trophies. I guess it is the clarity that the tractor seat brings and the solitude makes you appreciate the true value of the fair. It is a great event, one with much stress and even greater rewards; you just have to take time to realize it.



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or some crazy idea that should never have even been said out loud, much less shared on social media.

While social media can be a fun way of staying connected and keeping up with the lives of our family, friends and neighbors, it should also be recognized for its potential to hurt people, harm relationships

and spread misinformation.

Not to mention, there are better ways to stay connected to our family, friends and neighbors. You just can't beat sharing an honest smile, a heartfelt hug and a few kind words face to face. That, my friends, is "social" at its best.

Winners announced for 2015 Kansas Wheat Yield Contest

Continued from page 1

"I've never seen a year where management has made such a huge difference," said Ediger.

He planted his 6.48 acre plot with WB 4458 (West-Bred) and saw a yield of 103.18 bushels per acre.

The 2015 Kansas Wheat Yield Contest is sponsored by BASF, West-Bred, Kansas Wheat Alliance, Limagrain, Plains Gold, AgriPro, ADM and Kansas Wheat. Winners of the contest receive a \$1,000 prize that will be awarded on September 17 by Governor Sam Brownback at the Kansas State Fair. Each winner will also receive a \$500 prize, awarded by the company whose variety they plant-

ed.

In addition, the contest also has the optional Quality Initiative. Participants collect a sample of their wheat which will then be graded and analyzed for various quality components. The sample with the highest overall quality, mill and bake scores will receive \$250. This winner will be announced by Brownback at the State Fair. Justin Gilpin, CEO of Kansas Wheat, said, "Hosting the Kansas Wheat Yield Contest is an exciting part of what we do here. We're proud to recognize farmers across the state for their dedication to good management practices and celebrate their successes."

NASS releases real estate value and cash rent surveys

Kansas's farm real estate value, a measurement of the value of all land and buildings on farms, decreased from 2014, according to USDA's National Agricultural Statistics Service. Farm real estate value for 2015 averaged \$2,030 per acre. This is down \$20 per acre or 1 percent lower than last year.

All cropland value declined 2 percent from last year to \$2,210 per acre. Dryland cropland value averaged \$2,090 per acre, down \$60 from last year. Irrigated cropland value averaged \$3,270 per acre, down \$10 from a year ago. Pastureland, at \$1,390 per acre, increased \$90 from a year ago.

State-level cash rents paid to landlords in 2015 for crop-

land were mixed from last year. Irrigated cropland rent averaged \$124 per acre, a decline of \$2 from last year. Dryland cropland rent averaged \$58 per acre, up \$4 from a year earlier. Pasture rented for cash averaged \$20 per acre, up \$2.50 from the previous year.

A county-level cash rent survey was not conducted in 2015. NASS will next publish agricultural county-level cash rents data in September 2016. Previously published county cash rent data for 2014 are available at: www.nass.usda.gov/Statistics_by_State/Kansas/Publications/County_Estimates/index.asp

Kansas State University's leadership in wheat research recognized with \$1.6 million grant

Kansas State University wheat researchers are leading efforts to develop a better understanding of the wheat genome.

The National Science Foundation's Plant Genome Program awarded the researchers a three-year, \$1.6 million grant to fund projects and collaborations to help train new generations to answer challenging plant genomics questions.

Jesse Poland, assistant professor of plant pathology and adjunct assistant professor of agronomy, is the principal investigator of the project "GPF-PG: Genome Structure and Diversity of Wheat and Its Wild Relatives." The project will focus on ways to improve the current wheat genome assembly by using genetic information. Currently, the use of molecular markers in wheat breeding is limited because of their size, which is five times larger than the human genome.

"If we think about the

genome as a book, with lots of letters that need to be organized into words and sentences and ordered pages that make a story, we are at the point with the wheat genome of having sentences organized on a page, but not clear what order the pages should go," Poland said. "To really understand the whole story, we need to get the pages in order."

The project has the support of Kansas Wheat.

"Wheat farmers are excited about the work going on at Kansas State University and the advances that this project will mean to wheat genetics and leveraging diversity," said Justin Gilpin, CEO of Kansas Wheat. "It takes resources from important agencies like the National Science Foundation to support high-level institutions like Kansas State University that will really make a difference."

The project also will partner with the Kansas Foundation for Ag in the Classroom to develop education and training opportunities for future researchers. Kindergarten through 12th grade will re-

ceive information for plant science careers. Undergraduate students and postdoctoral researchers also will have education and training in genomics and bioinformatics.

Poland said that with the generation of huge datasets, the computational approaches of bioinformatics to understand biological data are critical.

"The goal is to integrate more computer science into agriculture classrooms. Since data sets have grown larger, good levels of computer skills are needed," he said.

"Wheat continues to be a strategic focus within the College of Agriculture and across K-State Research and Extension," said Ernest Minton, associate dean for research and graduate programs in the College of Agriculture at Kansas State University, and associate director, research, for K-State Research and Extension. "We are very pleased that the work of Dr. Poland and colleagues was recognized as a priority for funding from the National Science Foundation."

Co-principal investigators of the project include Bikram Gill, university distinguished professor of plant pathology at Kansas State University; Sunish Sehgal, assistant professor at South Dakota State University; and Gary Muehlbauer, professor of agronomy and plant genetics department at the University of Minnesota-Twin Cities.

Insight

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that farming seed corn cap; all intent on the task at hand.

Not one of these hats was ever judged by the crease. None pretty or traditionally wrapped – except in the one their dads taught them, "Get the job done."

John Schlageck is a leading commentator on agriculture and rural Kansas. Born and raised on a diversified farm in northwestern Kansas, his writing reflects a lifetime of experience, knowledge and passion.

Beef herd expansion: how fast and how much?

By Derrell S. Peel,
Oklahoma State University
Extension Livestock
Marketing Specialist

The dramatic rise in calf prices in 2014 and the corresponding increase in cow-calf returns highlight the growing market incentives to rebuild the beef cow herd. As the primary supply source for the beef industry, cow-calf producers will, by their decisions in the next two to four years, determine the inventory of cattle and the overall level of beef production in the U.S. for the remainder of the decade. Dramatic improvement in forage and pasture conditions in much of the country in 2015 means that the beef cattle industry can focus on doing what they want to do rather than being restricted to what they have to do. Much of the far west regions of the country are still hampered by severe drought in areas that represent about 9 percent of the total beef cow herd.

Beef cow herd expansion started briskly in 2014 with a 2.1 percent increase in beef cow numbers in the first year of expansion. This faster-than-typical early growth reflected suppressed expansion desires as a result of the drought. Though producers were forced to liquidate cows during the drought years of 2011-2013, they continued to add heifers to the herd to be ready to expand when the opportunity arose. The resulting cow herd is young and productive and allowed for a sharp drop in beef cow culling in 2014 with a culling

rate of 8.8 percent, down from 10.6 percent in 2013. So far in 2015, beef cow slaughter is down 17.3 percent. Though seasonally higher beef cow slaughter is anticipated in the fall, thereby reducing the year over year decline, beef cow slaughter will be down again year over year and is likely to result in a near-record low 2015 net culling rate below 8 percent. The July Cattle report indicates a 2.5 percent year over year increase in beef cows to mid-year 2015. Historical relationships between the estimated July beef cow inventory and the following January 1 inventory suggest a January 2016 beef cow inventory of just over 30 million head, representing just over 1 percent growth in 2015. However, beef replacement heifers were up 4 percent on January 1 and were up 6.5 percent on July 1, indicating more aggressive herd expansion. The year over year increase in the beef cow herd in 2015 is likely to fall in the range of 2.5-3.5 percent. Annual herd growth up to 4 percent is possible but would be very aggressive. The January 1, 2016 inventory is likely to fall in the range of 30.4 to 30.7 million head. The upper end of this range, corresponding to an aggressive 3.5 percent annual growth rate, would represent a one million head increase in beef cows from 2015 and would be slightly less than the pre-drought 2011 level of 30.9 million head.

This leads to the question of just how much beef

cow herd expansion is needed. The answer to that depends on several factors. Total beef production in coming years will be the result of increased slaughter numbers resulting from herd growth and cattle carcass weights. Cattle carcass weights have jumped sharply the past three years. If that pace of increase continues it will curtail the amount of herd expansion needed. However, more moderate carcass weight growth in the next two or three years would warrant a larger herd inventory. Beef demand is the ultimate determinant of how big the beef industry will be and thus the combination of domestic and international demand for U.S. beef will be critical to determine how much beef cow herd expansion is needed. Per capita beef consumption will grow as beef production expands but demand will determine at what price level this consumption will occur. In a stable market, consumers will pay a price just high enough for a given level of consumption to ensure that producers will provide enough beef for that level of consumption. Of course, international beef trade must be figured into that as well. It is an evolving picture that will depend on conditions in the coming years but at the current time my estimate is that the industry will operate with around 32 to 32.5 million beef cows. It appears that we could achieve that level at the earliest by 2017, more likely by 2018 or 2019.

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Winner Lisa Kobetich, Wakefield: "The longer it sits, the better it is!"

BANANA PUDDING

- 4-5 large bananas
- Box of Vanilla Wafers
- 1 can sweet condensed milk
- Tub of Cool Whip
- 1 box vanilla instant pudding
- 1 teaspoon vanilla flavoring
- 1/2 cup milk

Layer 9-by-13-inch pan with 1/2 box Vanilla Wafers. Slice bananas and layer over wafers. Mix the condensed milk, Cool Whip, box vanilla pudding, milk and vanilla flavoring. It will thicken up as you mix. Pour over bananas and wafers. Crush remaining wafers and pour over the top of the mixture. Chill about 1 hour before serving.

Ann Wittman, Herington: "Eggs too high-priced? Try this egg-less cake. Our son learned to make this easy cake from a children's cookbook. He recently entered this cake at the Morris County 4-H Fair and received a Blue Ribbon."

XTRA SPECIAL CAKE

- 3 cups flour
- 2 teaspoons soda
- 1/2 cup cocoa
- 2 cups sugar
- 2/3 cup vegetable oil
- 2 teaspoons vinegar
- 2 teaspoons vanilla
- 2 cups water

Preheat oven to 350 de-

grees. Grease and flour a 9-by-13-inch pan. Sift flour and soda into a bowl. Add sugar and cocoa. Mix oil, vinegar and vanilla in a small bowl. Stir into flour mixture, also adding the water. Mix about a minute until well blended. Pour into pan. Bake about 30 to 35 minutes until toothpick inserted near center comes out clean.

NOTE: This is a moist cake; frost if desired or top with whipped cream. There is NO SALT in this recipe.

Linda Kepka, Dorrance, shares the following recipe:

FRUIT SALAD

- 20-ounce can cherry pie filling
- 15-ounce can mandarin oranges
- 9-ounce can pineapple chunks
- 1 banana, sliced
- 2 cups miniature marshmallows
- 14-ounce can sweetened condensed milk
- 8-ounce tub Cool Whip

Mix together and keep refrigerated. Can mix in a few nuts and/or coconut if desired.

Jenny Rohrer, Wakefield: "Here is my submission for your recipe contest."

- S'MORES BURRITOS**
- Flour tortillas
- Peanut butter
- Mini marshmallows
- Chocolate chips

Spread each tortilla with peanut butter. Sprinkle with marshmallows and chocolate chips. Roll up and wrap in waxed paper. Microwave on low heat until melted and gooey. Enjoy!

NOTE: For camping, roll in aluminum foil and place over hot coals.

Lydia J. Miller, Westphalia:

ZUCCHINI STICKS

- Zucchini
- 1/2 cup flour
- 1 teaspoon onion salt
- 1/2 teaspoon oregano
- 1/4 teaspoon garlic powder
- 1 egg
- 1/3 cup milk
- 1 tablespoon oil
- 4 cups crushed Chex cereal

Mix all ingredients, except zucchini and cereal. Cut zucchini into small sticks and roll in batter. Roll in Chex crumbs and deep-fat fry.

Divide Daylilies To Maintain Vigor

By John Forshee
 District Extension Director

Daylilies have become a favorite for gardeners and landscapers over recent years. They are hardy, provide for beautiful summer flower beds, and require little maintenance.

Daylilies do need to be divided every three to four years to maintain vigor. Although they may be divided in early spring before growth starts, it is more common to divide them this time of year.

To begin the process of dividing most gardeners cut back the tops to about half their original height to make plants easier to handle.

Day lilies have a very tough root system that can make them difficult to divide while in place. Dividing in place is practical if it hasn't been long since the last division. In such cases, a spading fork can be used to peel fans from the existing clump.

If the plants have been in place longer and are well grown together, it is more practical to divide them after the entire clump has

been dug. In this situation, use a spade to lift the entire clump out of the ground. Although it is possible to cut the clump apart with a sharp spade, you will save more roots by using two spading forks back-to-back to divide the clump into sections. Each section should be about the size of a head of cauliflower.

An easier method involves using a stream of water from a garden hose to wash the soil from the clump, and then rolling the clump back and forth until the individual divisions separate.

Once the clumps have been divided it is time to replant your flower bed. Space divisions 24 to 30 inches apart, and set each at its original depth. Set the division in place by pressing firmly on the soil around and then thoroughly watering it in.

The number of flowers will be reduced the first year after division as the plant rebuilds its root system but will return to normal until the plants need to be divided again.

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 2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery.
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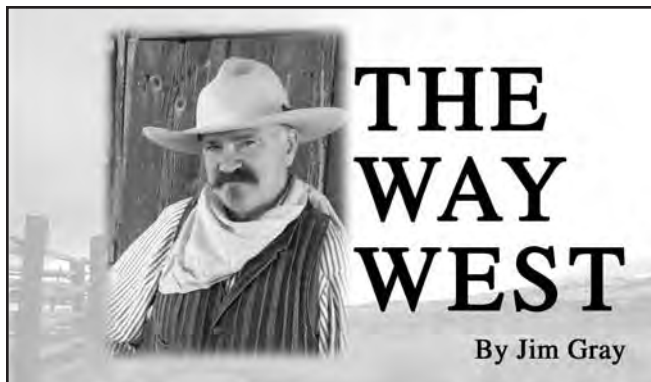
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OUR DAILY BREAD
 - by G & G Area Cooks
Mrs. A. D. Janssen, Emmett, Wins Set of Coasters
 Mrs. Arnold D. Janssen of Emmett steps into the winner's circle this week. Writes Mrs. Janssen, "I have used many of your recipes and we certainly like Grass & Grain paper and wouldn't do without it. I am sending in my favorite recipe. Since it is the time of year for rhubarb, here is a delicious recipe for:
RHUBARB CUSTARD KUCHEN
 ("This is an old recipe and is very good instead of making pie. Can be made quickly on Sunday morning before one goes to church").
 Crust:
 1/2 cup vegetable shortening
 1/4 cup sugar
 1/2 teaspoon salt
 1 egg yolk
 1 1/4 cups sifted flour
 2 tablespoons milk
 Cream shortening with sugar then add egg yolk and salt and beat well. Cut in flour with pastry blender, then add milk and stir to moisten. Press dough into pan or pyrex dish measuring approximately 8x12-inches (dough goes into this size pan and presses up against sides of pan, 1/4 to 1/3 inches).
 Filling:
 3 cups sliced rhubarb (about 1 pound)
 3/4 cup water
 1 egg white
 2 whole eggs
 1/2 cup sugar
 1/4 teaspoon salt
 1/2 cup rich milk
 Cook rhubarb only until just soft in 3/4 cup water. Cool, turn into the dough-lined pan and spread evenly over dough. Pour custard made by combining beaten egg white and whole eggs with sugar, salt and milk over the top. Bake in a 350-degree oven for 12 minutes, then in a 350-degree oven until custard is set and crust is delicately browned at edges, about 25 minutes. ("When I make this I do not cook the rhubarb in water. I just use the fresh rhubarb or frozen rhubarb. This recipe is also very delicious with fresh or canned peaches.")

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Cowboy Celebration

During the days of the "long trail" to Kansas, Texas drovers generally made a point of getting their long-horn cattle to the end of the trail by late spring or early summer. *Scribner's Magazine* described the trail in an 1892 issue. "From two hundred to four hundred yards wide, beaten into the bare earth, it reached over hill and through valley for over six hundred miles (including its southern extension) a chocolate band amid the green prairies, uniting the North and South."

When the news reached Kansas City that trail herds were swarming out of Texas for a little-known place on the prairie called Abilene, professional gamblers packed their cards and boarded the train for the new cattle. Joseph McCoy, the founder of Abilene's vibrant cattle market wrote, "The saloon, the billiard table, the ten-pin alley, the gambling table—in short, every possible device for obtaining money in both an honest and dishonest manner, were abundant."

Once the drovers reached their destination the cattle were allowed to graze and get fat through the summer. Of course it didn't take the whole outfit to watch a bunch of cattle content to graze over the open prairie day after day. That's when the boys were off for a jag in town to "learn all the items of news or gossip concerning other herds," and making the rounds of the saloons. When the August drums set in, the atmosphere in the saloons helped take a fellow's mind off the searing sun bearing down outside on the Kansas plain. "Often one or more... will imbibe too much poison whiskey and straightway go on the warpath. Then mounting his pony, he is ready to shoot anybody or anything; or rather than not shoot at all, will fire up into the air, all the while yelling as only a semi-civilized being can."

In their raw state of mind the cowboys were easy prey to the vultures that hovered over the saloons. Professional gamblers flocked to

the cattle towns. They were the "rock stars" of their time. Dick Clark played the game with such finesse and style that no one questioned the honesty of his spread. If you won a game against Clark you gained bragging rights that few could match. Phil Coe, Ben Thompson, Jim Moon, and even Abilene's famous marshal, Wild Bill Hickok sat at the gaming tables. Many a cowboy left town with his pockets empty, and when the gamblers tired of feasting off the wasted carcass of the poor cowboy they livened things up with high stakes games between themselves.

Contrary to popular opinion saloons were strictly a man's domain. Women were not allowed. Even the popular singers did not perform in the classic saloon. Theatres, dance halls, and brothels were generally relegated to districts beyond the city limits and when a cowboy went to town, more often than not, he found his way to one of these "hell's half acre" districts. "Then for fun and frolic!" McCoy

noted, "Into this vortex of dissipation the average cowboy plunges with great delight. Few more wild, reckless scenes of abandoned debauchery can be seen on the civilized earth than a dance house with in full blast...The cowboy enters the dance with a peculiar zest, not stopping to divest himself of his sombrero, spurs, or pistols; but just as he dismounts off of his cow pony, so he goes into the dance."

McCoy was an unusual eyewitness to the celebration that ensued night after night at the end of the trail. Cowboys certainly didn't write about it in letters or memoirs. They didn't want their families at home to know about dance halls at the end of the trail. Saloon men and dance hall girls certainly didn't tell. But McCoy saw a certain humor in the dancing cowboy. "With the front of his sombrero, lifted at an angle of forty-five degrees, his huge spurs jingling at every step or motion, his revolvers flapping up and down like a

retreating sheep's tail, his eyes lit up with excitement, liquor, and lust, he plunges in and 'hoes it down' at a terrible rate in the most approved yet awkward country style, often swinging his partner clear off the floor for an entire circle, then 'balance all,' with an occasional demoniacal yell near akin to the war whoop...All this he does entirely oblivious to the whole world and the balance of mankind."

The scene described by McCoy was easily duplicated hundreds of times over as the cattle headquarters switched from Abilene to Newton, Ellsworth, Wichita, Dodge City, Caldwell and dozens of smaller shipping towns eager to become the next cowboy resort on The Way West.

"The Cowboy," Jim Gray is author of the book *Desperate Seed: Ellsworth Kansas on the Violent Frontier and Executive Director of the National Drovers Hall of Fame*. Contact Kansas Cowboy, Box 62, Ellsworth, KS 67439. Phone 785-531-2058.



Tava Gustafson took home the Reserve Champion horse award for her aged mare at the Geary County Free Fair.

Herbicide wind drift likely to increase with new soybean varieties

New soybean varieties resistant to weedkillers 2,4-D and dicamba are expected to be available to producers next year, pending regulatory review.

The new varieties offer more options for soybean producers contending with the growing number of weeds resistant to glyphosate and other herbicides. But there's a downside.

Use of these herbicides likely will increase the risk of drift and tank contamination, says Mandy Bish, senior research specialist at the University of Missouri.

"Spray tank contamination, especially with dicamba, is going to be a huge concern," Bish says.

Farmers spraying dicamba or 2,4-D should thoroughly wash spray tanks before using them to treat fields with crops that aren't resistant to those herbicides.

When cleaning spray tanks, the third time is the charm, she told visitors at a recent MU Extension pest management field day at MU's Bradford Research Center in Columbia.

A research team including Bish and MU Extension weed scientist Kevin Bradley found that a triple rinse—water, then ammonia, then water again—minimizes the risk of injuring crops that aren't resistant to dicamba and 2,4-D, she said.

Single- and double-rinse cleanings reduced yields.

Check operator manuals and the herbicide labels to learn how to properly rinse and clean sprayers after use, Bish says. Some machinery dealers suggest using commercial tank-cleaning products.

Pay special attention to boom lines in sag areas, she says. Work your way down the boom, checking for plugged nozzles. The last nozzle on the boom is where buildup is worst.

Flush screens carefully. Even small amounts of residue can contaminate lines.

In addition to tank con-

tamination, another concern is the risk of herbicides drifting from their intended targets, Bish says.

The Environmental Protection Agency says up to 70 million pounds of pesticide are wasted to drift each year.

Both 2,4-D and dicamba can cause significant economic loss for ornamental or commercial crop growers. "Good neighbors follow good practices," Bish says.

She advises producers to check wind speed and direction before spraying.

In general, drift risk lessens when herbicides are applied at wind speeds from three to ten mph. But some-

times what appears to be a good day to spray, due to low wind, is possibly the worst, Bish says.

Temperature inversions, when air near the ground is cooler than the air above, can happen when winds are less than two to three mph.

Spray particles hang in the air instead of reaching plants. Dew can prevent spray from being absorbed. "Dicamba and 2,4-D are more volatile than many other herbicides and more prone to move off-target due to temperature inversions," Bish says.

Dew or frost, horizontal smoke patterns, ground fog in low-lying areas and clear skies in the evening indicate possible inversion.

Pesticide applicators and beekeepers can view www.driftwatch.org, an online registry of the locations of sensitive crops.

Using color-coded flags is another method to alert growers to the type of soybean being grown in a field. Each type of soybean is associated with a different color flag.

Be aware of nearby land when spraying, Bish says.

To learn more about the potential impact of the off-target movement of 2,4-D and dicamba herbicides, go to weeds.cscience.missouri.edu/extension/pdf/synthetic%20auxins2.pdf.

For more information about controlling drift, the MU Extension publication "Controlling Drift of Crop Protection Materials" (G1886) is available for download at extension.missouri.edu/p/G1886.

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Judge Scott Schaake selected Chancy Johnson's entry as the reserve champion market steer at the Morris County Fair.

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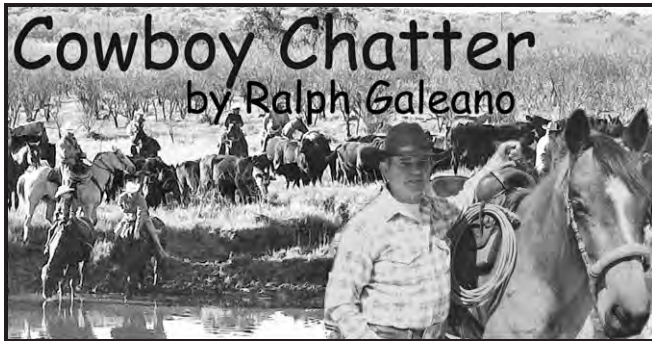
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Doc Somebody

I picked up an old copy of the *Quarter Horse Stallion Register* a couple weeks ago and got a chance to browse through the book and look at the statistics of the top producing stallions at the time. Naturally, I looked for stallions related to the horses in our herd. Mostly we have cowhorse breeding and have been happy with the results we see in our foals. We're happy with the old-time sires in our horse's pedigrees. They trace back to such greats as Poco Bueno, King, Three Bars and, of course, Doc Bar. It's interesting to see how many stallions have Doc in their name. Plenty, to be sure, but when you see how many are listed in the register you have to believe you're on the right track for breeding performance horses.

Doc Bar, one way or another, dominates the way we breed our mares. We have a few outcrosses but mostly the papers have a Doc with an occasional Poco or Peppy on one of the lines. Maybe I like the Doc horses because they're usually between 14 and 15 hands, not too high off the ground and easy to mount when you're standing on the lower side of the hill where I always seem to end up. Most all of them have dispositions that are easy to be around and we never have to worry about catching them. Usually they'll come to the gate if they hear you call.

Generally, they don't kick, bite or get too pushy unless you ask for it. They're smart enough to figure out what you're trying to accomplish once you show them the way. With a little trust on our part they eventually take the lead, making the move or turn when the cow turns, without us having to poke 'em in the ribs.

They're quick to turn and stop and most of them always seem to have an interest in cows. But, you can't depend on all of them having the good traits you look for in a saddle horse. Sometimes the ones that look so good as colts turn out lacking ambition or are simply indifferent to the work you want them to perform.

We have a Doc O'Lena granddaughter that was chasing cows on her own when she was three days old. I thought I was really going to have something when she grew up. No such luck. Once she started packing a saddle, she lost all interest in moving out of first gear when it came to pushing cows. I think she thought she was too good to associate with them.

She'd move 'em, but at her own pace. Not too close and not too fast. If you speared her in the ribs to catch up, she'd ignore your jabs for a while and then go to bucking. Being from an athletic line of horses, her bucking was world-class and no fun. She wasn't going no faster. Take it or leave it. Go saddle another horse or get bucked off, that's her attitude and it never changes. She's the exception to the line.

Today she's our best brood mare and has produced Reined Cow Horse champions including one national champion. Her babies need no encouragement to turn cattle no matter how fast the action. Her half sister will jump out full speed with just a hint from the rider, turn on a dime and spin a circle in the ground. No bucking. Same sire, different dam.

Doc Bar was bred to be a race horse but was a failure on the track. In four starts he earned only ninety-five dollars. However, he was a champion halter horse and his offspring dominate performance horse discipline today. You'll find variations of his name plastered all over performance horse statistics. Yet he was never ridden in performance competition. Maybe he didn't like the smell of cows and passed it on to our mare.

A past stallion register listed the top 100 leading Reined Cow Horse Sires of the previous five years and 33 of those champions use variations of Doc Bar or Doc O'Lena as their registered names. If you traced the pedigree of the other 67, you would find a high percentage with a Doc Bar background. For example, Nu Cash, the number one reined cow horse sire at the time, has Doc Bar in his



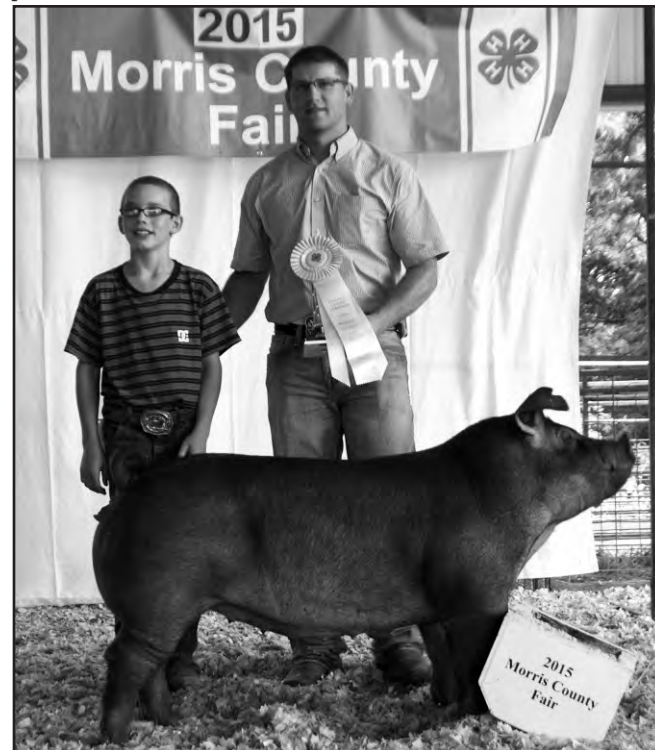
The Pen of 3 Winner in the Morris County swine show was Chase Bacon.

pedigree. More impressive, of the top 50 lifetime leading cutting sires, 27 are named variations of Doc or Lena. Things have changed a bit since that old register was published but those old sires are still in our pedigrees and their foals are living up to our expectations.

That is convincing. The odds seem in your favor to breed to a horse with a Doc Bar background if you're after a performance horse prospect. If occasionally we breed one that considers himself above chasing something with horns sticking out of its head, then most likely that horse will excel at another activity such as reining, barrel racing, roping or halter.

Breeding horses is like investing in the stock market. If you review the data and track record of a company before you gamble your yearly ranch profits, you have a better chance of winning. Use the same approach researching a stallion before you consider breeding your mares. If a track record means anything, then Doc Bar sure seemed to be leading the race at the time even though he couldn't pay his feed bill on the track.

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



Lakoddah Downes exhibited the reserve champion breeding gilt at the Morris County Fair.

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NCGA to EPA: "Stay the course" on Renewable Fuel Standard

In comments submitted to the Environmental Protection Agency (EPA), the National Corn Growers Association highlighted the importance of the Renewable Fuel Standard (RFS) and urged the Agency to restore the 2014-16 corn ethanol volume to statute.

In the comments, NCGA states, "The RFS has spurred growth in agriculture, increased energy diversity and decreased GHG emissions from fossil fuels through the development of renewable energy resources. We urge the Agency to stay the course and support this important piece of transformational energy policy, and we request it reconsider its proposed reduction in the 2014, 2015 and 2016 renewable volume obligations."

In a letter accompanying NCGA's comments, NCGA president Chip Bowling writes, "The RFS is doing exactly what it was intended to do. It is successfully driving the adoption of renewable fuel alternatives to petroleum, supporting jobs across the country, and ensuring the United States remains a global leader in developing new renewable en-

ergy sources while decreasing GHG emissions here at home. (We are asking the EPA to) provide regulatory certainty to the most successful renewable fuel pro-

gram in place. The continuing stability and health of the rural economy and the nation's environmental improvements hinge upon your decision."



Taking top honors in the swine showmanship contest at the Morris County Fair were, from left: Senior grand champion Makenzie Downes; reserve champion Nichole Patry; Intermediate grand champion Wyatt Buchman; reserve champion Colton Bacon; Junior grand champion Cassidy Dalquest and reserve Lakoddah Downes.



Wyatt Buchman exhibited the grand champion breeding gilt at the Morris County Fair.

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Grass & Grain's Poet Lariat Ron Wilson recently competed in the National Cowboy Poetry Rodeo finals in Abilene. His poem *The Stockdog's Ride* earned the highest score in the serious poem category for original work.

Carbon, climate, crops and soil: workshop to explore the mycorrhizal connection

By Tom Parker, special to Kansas Farmers Union

Since the inception of the computing era, a simple acronym evolved to become an icon of visual acuity and perception: WYSIWYG. The concept works for tangible objects as well as for digital data, but not so much for agricultural purposes. What-you-see-is-what-you-get might be fine for digital publishing or website creation, but in farming the exact opposite applies – what you can't see is what you get.

That's because the most critical processes involved in seed germination and plant health lie beneath the surface of the soil, and even then most can only be viewed on the microbial level through powerful microscopes. This hidden world – more a universe only now divulging its secrets, scientists say – is literally the root of all agriculture. But then, the term "root" might need to be re-defined as well.

According to Larry Simpson, director of training and education for Mycorrhizal Applications, Inc., in Grants Pass, Ore., roots don't do

what people think they do.

"Getting nutrients and water from the soil is actually not a primary function of the root," he said. "The root's main function is to host mycorrhizal fungi, and the fungi's task is to get nutrients and moisture from the soil. It's a symbiotic relationship that's relatively little-known. Only in the past 50 years has it started to be understood, and the vast majority of that knowledge has come to light in the last ten to twenty years."

While the fungi is naturally-occurring, modern agricultural procedures such as extended fallow rotations, coupled with advanced tillage equipment and huge amounts of acreage under cultivation, have disrupted its vast interconnected web, Simpson said. "Think of a huge dense spiderweb radiating out from the actual root of the plant," he said. "The mycorrhizal filaments extend out a couple of feet from the host plant, so many in the growing season that there might be nine miles of filaments in a single teaspoon of native prairie soil.

And they're all interconnected, whether corn or wheat or soybean. Most of that population has been lost. We're basically planting in soil that's lost a critical component in how plants operate and perform. It's a downward spiral."

Reestablishing a mycorrhizal fungal element to crops as well as understanding the role of mycorrhizal fungi in soil and plant health will be the focus of an upcoming workshop on Friday, August 21, at the Salina Ambassador Hotel, 1616 W. Crawford, Salina. Registration begins at 8:30 a.m. followed by the workshop at 9:00 a.m. An afternoon field tour will be held at the Land Institute in Salina, located at 2440 E. Water Well Rd. A block of rooms is being held at a special discount until August 14. Call 785-833-2079 and ask for the Amazing Grazing room rate of \$69 plus tax.

On Saturday, August 22, an all-day bus excursion will depart from the hotel parking lot for tours of a Star Seed test plot with four cover crop farmer tours. Early bird registration is \$100 for both days or \$75 for

any single day by August 14, or \$125 for both days or \$85 for one after August 14. Friday lunch and both meals on Saturday are included with registration.

Both the workshop and bus tour are sponsored by Amazing Grazing III, a collaboration of the Kansas Farmers Union and the Kansas Graziers Association, in partnership with Star Seed.

Mycorrhizal fungi (literally, "fungus roots"), have co-evolved with plants and soils for more than 460 million years. They proliferate on the roots of plants in undisturbed natural habitats, spreading into the surrounding soil as a sprawling mass of microscopic hair-like threads. Host plants use their leaves to synthesize carbon for the fungi while the fungi returns the favor by supplying nutrients and water from the soil.

"The plant shares a small amount of sugar that keeps the fungus alive," Simpson said. "Mycorrhizal fungi cannot feed themselves but require a living root to survive. If the plant dies, the fungus dies."

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gus to the soil when planting seeds has several key benefits for farmers. In moist conditions the fungi acts as a primary immune system against fungal root disease caused by soil pathogens attacking the roots. In dry conditions the fungi allows host plants to not only tap into water sources more efficiently but even to store water for dry times, he said. The fungi promotes beneficial organisms that increase organic matter in the soil, thereby improving soil health, and they also help prevent potential effects from climate change through carbon sequestration. "Farmers are always looking for better yield at less cost, and that's what the fungi does," Simpson said. "It increases the efficiency of the root system, enables individual plants to access more resources in the soil, improves growth in the host plant, requires less water and less fertilizer, further reducing costs. These are straightforward benefits no matter what kind of soil you have."

Considering that these microbial interactions take place beneath the soil unseen by the farmer, it might be easy to dismiss this as nothing more than academic or commercial postulation. After all, mycorrhizal filaments are microscopic, about 1/25th the diameter of a human hair, so it's not as if they can be seen in action. Seeing is believing, however, so participants will be treated to a walk through a freshly dug soil pit where entire root systems can be viewed in their natural environment. The field tour will be conducted by Wes

Jackson, president of the Land Institute, a nonprofit research and education organization whose goals include developing an agricultural system with the ecological stability of the prairie and a grain yield comparable to that of annual crops.

Simpson suggests that farmers who are interested but not totally comfortable in adding mycorrhizal fungi to crops start by controlled planting in contiguous sections. "When treated and untreated crops are planted side by side, they will definitely see a difference," he said. "Our approach is to ask the farmer to try a reasonable number of acres and plant it next to a crop treated without the mycorrhizal fungi and see for themselves. It slows down the overall process but gives them confidence when they see it happening."

Though still in its formative years, research into mycorrhizal fungi continues to unlock secrets of the interconnections between plants, soil and microorganisms. Farmers wishing to educate themselves on cutting-edge techniques based on solid science would benefit from the one-day workshop, Simpson said.

"Certainly their fathers and their grandfathers and beyond benefitted from the fungus, because in their day the soil had a natural abundance," he said. "It was part and parcel of the ways things worked."

For more information on upcoming workshops sponsored by Amazing Grazing, call Mary Howell at 785-562-8726 or visit Amazing Graz-

ing's website at www.kansasfarmersunion.com/amazing-grazing. Amazing Grazing is a collaboration of the Kansas Farmers Union and the Kansas Graziers Association. Funding for this project was provided by the North Central Extension Risk Management Education Center and USDA National Institute of Food and Agriculture under Award Number 2012-49200-20032. Project partners include the Kansas Alliance for Wetlands and Streams, Kansas Grazing Lands Coalition, K-State Research and Extension, Farm Credit Associations of Kansas, Kansas Center for Sustainable Agriculture and Alternative Crops, and NRCS-Kansas.

Mycorrhizal Connection Workshop & Land Institute Tour, Friday, August 21

Speakers will be Dr Christine Jones, Amazing Carbon, Soil Scientist, Australia, Mike Amaranthus and Larry Simpson, Mycorrhizal Applications, Oregon, Kansas Farmers Dale Strickler and Gail Fuller. An afternoon field tour will be held at the Land Institute with Wes Jackson, located at 2440 E. Water Well Rd, Salina.

Cover Crop Bus Tour, Saturday, August 22

On August 22, an all-day bus excursion will highlight the benefits of using cover crops. The bus will depart from the Salina Ambassador Hotel parking lot, 1616 W. Crawford, Salina, promptly at 8:00 a.m. for tours of a Star Seed test plot and four farms using cover crops. Lunch & supper are included and the bus should return to the hotel at approximately 9 p.m.



Kuhn introduces new FC triple mower conditioner combination

The new Kuhn triple mower conditioner combination, FC 3525 D F front mount and FC 10030 D rear mount, gives you the ability to cut and condition up to 32'6" of crop in a single pass. Whether you are a custom operator, dairy or beef producer, this combination unit, backed by years of research and development, will provide you with the cleanest cut and best conditioned crop.

The heavy-duty Optidisc® cutterbar is lubed for life, providing minimal maintenance and maximum cutting efficiency with integrated Protectadrive® disc shear protection. The proven Fast-Fit blade change system allows an op-

erator to rapidly quickly replace knives for optimum cutting performance. Adjust the conditioning intensity to match your harvesting window with the two-speed DigiDry™ finger conditioner. This conditioner provides consistent drying of grasses and legumes. The unique direct drive design eliminates belts and provides maximum power regardless of crop volume.

Both mower conditioners have superior ground adaptation as a result of the hydro-pneumatic suspension, which limits ash content and compensates for immovable field obstacles. For further ground adaptation, the front unit features an industry-leading 27 1/2"

range of vertical travel and can oscillate from side to side a total of 30 degrees. Learn more about this new Kuhn triple mower conditioner at www.KuhnNorthAmerica.com.

Looking for an auction bill, hay prices or farm news? Subscribe to: **GRASS & GRAIN** Call 785-539-7558 or visit us ONLINE at www.grassandgrain.com

August 21-23, 2015
Lyon County Fairgrounds • Emporia, Kansas
Welcome to tall grass country

The Flint Hills Beef Fest was founded as an annual celebration of the grass cattle industry offering cattlemen the opportunity to enter stockers in a summer grazing competition as well as feedlot and carcass shows.

<p>FRIDAY, AUGUST 21, 2015</p> <p>6:00-7:00 a.m.WIBW Live Radio Broadcast 7:30 a.m.Free Breakfast 8:15 a.m.Beef Producers Seminar 9:00 a.m.Begin Flint Hills Beef Fest Barbecue Cookoff Registration 10:00 a.m.Hot Stick Demo by Westar 6:00 p.m.Ranch Feed 7:00 p.m.Ranch Rodeo 8:00 p.m.Backyard Legend Band</p> <p>SATURDAY, AUGUST 22, 2015</p> <p>7:00 a.m.Registration 5K Ranch Land Trust Run/Walk 8:00 a.m.5K Ranch Land Trust Run/Walk (5K located at The Orchard) 8:00 a.m.Ranch Horse Competition 9:00 a.m.Registration Kids Tractor Pull 10:00 a.m.Kids Pedal Tractor Pull</p>	<p>10:00 a.m.Live Stocker Show at Sale Barn 10:00 a.m. - 2:00 p.m.Pony Wagon Rides 11:00 a.m. - 1:00 p.m.Free Hamburgers & Cokes (while they last) 11:00 a.m.Barbecue Judging Begins 11:00 a.m.Hay Toss 1:00 p.m.Junior Ranch Rodeo 1:00 p.m.Cow Patty Toss 3:30 p.m. (Approx.)BBQ Awards 5:30 p.m.Awards Banquet 6:30 p.m.Steak Dinner 7:30 p.m.Devin Henderson, Comedian/Magician 9:00 p.m.Bluestem Swingers Square Dancing 9:00 p.m. - 11:30 p.m.Mike & The Moonpies (Bowyer Building)</p> <p>SUNDAY, AUGUST 23, 2015</p> <p>8:30 a.m.Golf Tournament (Emporia Municipal Golf Course)</p>
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- ♣ 6'9" inside height (exceeds 6'6" industry standard)
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AG Schmidt asks EPA to delay 'Waters of the U.S.' rule pending judicial review

Kansas Attorney General Derek Schmidt recently joined 28 other attorneys general in asking the Environmental Protection Agency to delay the August 28 implementation of the final regulation regarding the "Clean Water Rule: Definition of Waters of the United States" by at least nine months to allow for proper judicial review.

Schmidt had previously joined eight other state attorneys general in a lawsuit

asking a federal court to overturn new water regulations that could significantly extend the regulatory reach of the federal government onto Kansas private property. The complaint asks a federal judge to declare the rule illegal and issue an injunction to prevent the agencies from enforcing it. It also asks the judge to order the agencies to draft a new rule that complies with the law and honors state authority. A

total of 31 states are challenging the rule in five different lawsuits, all of which are still pending.

The regulations, known generally as the "Waters of the U.S." Rule (WOTUS Rule), would extend the EPA and Army Corps of Engineers' regulatory reach into small waterways, ditches and ponds on Kansas farms, ranches and land developments. This new rule would have significant consequences for

homeowners, farmers and other entities by forcing them to navigate a complex federal bureaucracy and obtain costly permits in order to perform everyday tasks such as digging ditches, building fences or spraying fertilizers.

In the letter sent to the administrator of the EPA and assistant secretary of the Army for civil works, the attorneys general said, "Although the states promptly filed their actions

challenging the WOTUS Rule, it will necessarily take some time for the courts to resolve the merits of these various cases with their different claims. Under the current schedule set by the EPA and Army Core of Engineers, the WOTUS Rule will become effective well before the courts have the opportunity to resolve the merits of the significant pending challenges to this Rule. ... Given the gravity of the Constitu-

tional issues implicated by the states' claims and to avoid these hardships, the courts should be granted an opportunity to resolve the pending challenges to the agencies' new WOTUS Rule. A federal regulation of this scope and significance demands a thorough judicial review before imposing costly and disruptive burdens on the states and their citizens."

Brownback proclaims August as Farmers' Market Month

Promoting a growing sector of the state's agriculture economy, Governor Sam Brownback proclaimed August as Farmers' Market Month in Kansas.

"During the month of August, the From the Land of Kansas team will visit markets in all of the state's nine regions," said Julie Roller,

From the Land of Kansas specialist. "We are also working with many of the farmers' markets to promote the importance of shopping at your local farmers' market, not only during August but all season long."

Farmers' markets are an important link between farmers, ranchers, food pro-

ducers and agriculture artisans and consumers by providing consumers access to fresh, locally grown foods and allowing deeper relationships to grow. Farmers' markets are also economic drivers that boost small businesses and support local economies. There are more than 140 farmers mar-

kets in Kansas. They can be found in small, rural communities as well as urban areas.

The Kansas Department of Agriculture used an IMPLAN-based input-output model, to estimate that more than \$97,000 in spending occurred at the Emporia Farmers' Market in 2013.

This spending generated a gross impact of \$176,822 and value added of \$91,761 to the Kansas economy.

In 2013, Brownback signed SB 120 or the Kansas Farmers' Market Promotion Act, which established a central registration of farmers' markets in Kansas. The registration encourages and

promotes farmers' markets across Kansas, and provides limited liability for farmers' markets.

"Since 2014, the number of registered farmers' markets in Kansas has doubled," Roller said. "We are excited about the growth and look forward to working with new and expanding markets."

Farmers' markets can register with the state's agricultural trademark program, From the Land of Kansas, to have access to free marketing, outreach and advocacy efforts. Registered farmers' markets also have ability to receive benefits from federal grant dollars awarded to KDA on behalf of farmers markets.

KDA and From the Land of Kansas strive to serve Kansas farmers, ranchers, agribusinesses and consumers by expanding agricultural markets and providing support and assistance to help Kansas businesses grow.

To locate local farmers markets, visit <http://FromtheLandofKansas.com/ksfms>.

For more information on how to register a farmers market and receive benefits for the market, please visit FromtheLandofKansas.com.

AUCTION

MONDAY, AUGUST 17 — 9:00 AM

Location: 2216 County Road 200 — TOBIAS, NEBRASKA

Turn off Hwy 74 onto Pine Street (West edge of Tobias, NE) go 1 mile South, 1/2 mile West and 1 1/4 miles South. Lunch by: Jill's Sweet Shop

EQUIPMENT
 Case IH 955 planter, hyd. markers, 12 row 30 ridge plainers, Monitors with liquid fert. attach., corn & bean drums; IHC 6200 grain drill, 24 runner 7" wide, double disc, fert. press wheels; A&L F500 Grain cart, hyd fold & shut off, lights, 18.4x34" tires; IHC Model 6200 grain drill, 24-7" with seeder attachment; Landall 850 Finishall 22' disc, 20" blades, 7 1/2" spacing; IHC 496 Disc with harrow, 24", 22" blades, 9" spacing; H&S 12 wheel V Rake; Krause 4100 field cultivator with harrow, 26"; Case IHC 595 Manure Spreader w/slop gate; Ritchie Best Way 1,000 gal. sprayer, 60' boom, wash tank, foam markers, boom control; IHC 490 disc, 27", 20" blades, 9" spacing; M&W Little Red Wagon, w/hyd. auger, 300 bu.; New Holland 688 Big Round Baler, net wrap & twin moisture monitor; Brandt Grain Vac 4500EX; IHC 490 disc, 19", 20" blades 9" spacing; Massey Ferguson 620-19" tandem disc, manual fold, 20" blades, 9 1/2" spacing; Peck 10" auger, 65' with swing hopper, hyd. winch; New Holland 354 grinder/mixer, extra long unloading tube; New Holland 310 small sq. baler, twine tie; 10' Big Ox deep V ripper, 5 shank; New Holland 770 2 row silage chopper, 30"; New Holland 1012 Bale Wagon; New Holland 256 rake; Ford 3 bottom plow, 3 pt.; IHC 14' chisel plow, Model 55; Alamo bat wing shredder, 15'; 2-Bush Hog Stan hoist trailers; Tandem hitch for grain drill; Westendorf WL44 front end loader; 8' fast hitch blade; 2 bottom plow for IHC tractor; 2-Heider side dump trailers, about 250 bu.; 3 pt. Rhino 8' blade; IHC 3-14" fast hitch plow; Bush Hog 3 pt. post hole digger, 12" bit; Gehl side dump silage wagon; IHC 183 cultivator, 6 row 30"; John Deere #8 sickle mower; Heider Auger wagon, 100 bu.; White 508 5-14 semi-mounted steerable plow; 3 pt. track scratcher; Burkley 3x4 booster pump on cart; International 54' snowblower; Crane for 3 pt.; Bale fork for loader; 2-3pt. conversion; 100 bu. Flare box trailer; 2 row 30" New Holland chopper head; Sukup 6 row 30" cultivator with guide hitch; 3 pt. one way plow, 7 1/2"; Tumble Bug soil mover; Small sq. bale loader; Hydraulic small sq. bale loader; 2-Old silage wagons, John Deere running gears; Kory Model 6072 running gear with silage box; 42" 8" auger, PTO; Shredder; 2-45" 6" augers, PTO; Kempf 24' spring tooth; 50' Grain Auger; New Holland

Model 737 Hay Head; 3 pt. sprayer; 2 wheel flat bed trailer; 40' Grain Elevator, PTO; IHC 2-14" & IHC 3-14" pull type plows.

COMBINE & SWATHER
 2009 Case IH AFS 7088 Axial Flow combine, 480/80R42" fronts & duals, 540/65R30" rears, 1,140 engine hrs., 825 separator hrs., Pro 600 monitor; New Holland 2550 Speedrower swather 19', 500 hrs., Tilt Head Haybine; 2013 8 row 30" corn head, Model 3408 with Lateral Tilt Control; IHC 2020 Flex Header, 30"; 2-International 863 corn heads, 6 row 30"; Gooseneck Header Trailer; HT30 Header Trailer; 2-Home-made Header trailers.

VEHICLES
 2002 Chevy Trailblazer LTZ, pw, pl, heat, air, 124,290 miles; 1991 GMC 2500 SLE Sierra pickup, V8 automatic transmission, pw, pl, air, heat, 96,610 miles; 1991 Buick LaSabre, 4dr., 3800 engine, front wheel drive, 68,270 miles; 1997 Volvo Semi tractor with Cummings Mll engine, 10 speed transmission, 328,000 miles, 295-75R22.5 tires, tandem twin screw; 42' Cornhusker Ultra Lite Trailer with remote tarp; 1985 Merritt Grain Trailer, 42' with roll over tarp, 11R24.5 tires; 1974 Fruehauf grain hopper; 1993 Itasca Sunrise Motorhome 26 ft. 87,830 miles, roof need work, runs good; 1990 Travel-long stock trailer, 24' goose neck, good floor; 1975 Inter Motor Model 2050A dump truck, twin screw, 13 speed transmission, Galion dump box; 2002 Chevy 2500 HD 4x4, 116,530 miles, V8-8.1L; Fruehauf 44' Flat Bed trailer, 10-100x20 tires; 25' drop deck trailer with 8' nose, 8.25x20 tires; PJ flat bed gooseneck trailer with 24' beaver tail; Chevy C65 truck, automatic transmission with Trade Win 17' box & hoist, 11x22.5 tires; 1992 GMC 2500 diesel 4WD, don't run, 315,000 miles; 1971 International 1110 pickup, automatic V8, 4WD; 1975 IHC pickup converted to boom truck, 8,000 lb 12 v winch; 1969 Chevy C60 Tilt cab, 14' Omaha Standard box & hoist, 9,00R20 tires; 1953 F500 Ford 6 cyl. Dump truck, 8.25-20 tires; 1981 IHC Trans Star II semi tractor, twin screw, does not run, 275-80R24.5 tires; Fruehauf 16' Van body on tandem axle trailer; Single axle 5th wheel dolly; 22' lowboy trailer; 1982? Chevy Scottsdale 20, 4 dr. pickup, 6.2L diesel, don't run; 1985 Chevy Scottsdale diesel, 4WD, don't run; Honda 230F Motorcycle; Honda Rancher ATV, 4 wheeler with sprayer; 1998 Chevy regu-

lar cab; 2-Suzuki Samurai, don't run; IHC pickup frame with motor & transmission, V8.

LIVESTOCK EQUIPMENT
 Gehl 7190 feed wagon; 5x12 Kelly Ryan feed wagon; S&H Bunk feeders; Powder River squeeze chute; Tub Miller 900 Hay grinder; 2-7'x20' Portable cattle feeders; Several cattle panels; Cattle panel trailer; 12'x19' Framework for working shed with head gate; 12'x19' Framework for cattle/calving shed; Stainless steel cattle tanks; 8' stock tank; 4-10' steel bed bunks; Squeeze chive; Stainless Steel milk tank & misc. milking equipment; Ed Brasch & Son loading chute, needs floor; Hedge posts; Several head gates; Tank heater; Bale carrier 2 prong for pickup box.

TRACTORS
 1995 Case IH 7220 tractor, dual front end assist, Ag Leader auto steer, front weights, 16.9x28" fronts, 480/80R42" tires & duals, 3 pt., 3 hyd., 2,802 hrs.; 1996 Case IH 7220 FWD tractor, front weights, 14.9R28" fronts, 18.4R42" rears with duals, 4,580 hrs., 1,000 & 540 PTO; 1994 IHC 5240 tractor, front wheel assist, 14.9R24" fronts, 18.4R38" rears, with Westendorf loader, fork lift, bucket, bucket with grapple, dozer, cab, heat, air, dual hyd., 2 pt., 2,707 hours; Bobcat 642B Gas, 2,578 hrs., with bucket & forklift; 1969 IHC 656 Utility Tractor with Intern 2000 loader, 5' bucket, 3 pt., 2 hyd.; 1969 International 656 Farmall, wide front, gas, 18.4x34" tires, 3 pt., 2 hyd.; IHC TD20 Crawler-Dozer, Power Shift, Hyd. tilt, 22" pads; 1974 IHC 766 tractor, 18.4R34 tires, 540 PTO, dual hyd., rear weights, 3 pt.; IHC Crawler Loader 150, 6 1/2' bucket w/teeth; Hough H80 Model 8090 Payloader, 23.5x25" tires, 16 ply, w/9' bucket; 1977 IHC 284 tractor w/72" belly mower, gas, 13.5x16" tires, 3 pt.; 1973 International Harvester Cub Lo-Boy 154 tractor w/62" deck mower w/3 pt.; 1957 IHC 450 gas, narrow front, fast hitch, TA, 15.5x38" tires, runs great; 1948 International C tractor, lights, 11.2x36" tires w/6" belly mower, San Mast; 1940 International H tractor, gas, lights, 12.4x38" tires on 11" rim; Dresser A500E Patrol, hyd. control, machine has leak; 1937 IHC F20 tractor, do not know if runs, free; IHC 129 Cub Cadet hydrostat riding mower, 48" deck; John Deere 111 riding mower, 38" deck; International 466 dsl turbo power unit, radiator, clutch & cart.

LOTS OF TOOLS & MISC. SOME PRIMITIVES



Ben Jensen, Courtland, bred and exhibited the Champion Prospect Steer at the 2015 Junior National Hereford Expo, Grand Island, Neb.



Matt Johnson, Cambridge, Ill., left, was chosen champion senior showman June 30 at the Junior National Hereford Expo (JNHE) in Grand Island, Neb. Reserve champion was Brooke Jensen, Courtland, center.

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7 bar 14 ga 20'x4'9" tall \$103.00	20' Heavy Duty 6 Bar Panels \$199.00
4 bar 11 ga 20'x4' tall \$89.00	14' Heavy Duty Bow Gate \$299.00
5 bar 11 ga 20'x4' tall \$109.00	10' Bow Gate \$199.00
6 bar 11 ga 20'x4' tall \$123.00	4' Walk Through Gate \$129.00
7 bar 11 ga 20'x4'9" tall \$135.00	3' Alley Way Frame \$60.00
HAY SAVER BALE FEEDERS	CORRAL PANEL SETS
Heavy Duty Horse Feeder \$475.00	40 Piece Standard Duty Set w/Panel Trailer \$4950.00
Heavy Duty Single Bale Feeder \$575.00	38 Panels 1 Bow Gate 1 Walkthrough Gate \$5250.00
Heavy Duty Double Bale Feeder \$950.00	40 Piece Heavy Duty Set w/Panel Trailer \$5250.00
Heavy Duty Big Square Bale Feeder \$550.00	38 Panels 1 Bow Gate 1 Walkthrough Gate \$5250.00
BALE FEEDER TRAILERS	12 Piece Standard Duty 35' Round Pen Set \$1075.00
20' Single Axle \$4750.00	11 Panels 1 Walkthrough Gate \$1075.00
24' Single Axle \$5250.00	16 Piece Standard Duty 50' Round Pen Set \$1625.00
32' Tandem Axle \$7150.00	14 Panels 1 Walkthrough Gate 1 Bow Gate \$1625.00
FEED BUNK & PANELS	BALE SPEARS & UNROLLERS
20' Pipe Bunk Open End 24" \$475.00	Skidsteer Mount Round Bale \$575.00
20' Pipe Bunk Closed End 24" \$525.00	Skidsteer Mount Big Square Bale \$850.00
20' Pipe Bunk Open End 30" \$625.00	3 pt. Rear Mount Round Bale \$600.00
20' Pipe Bunk Closed End 30" \$675.00	Axial Bale Unroller Hydraulic Drive \$1600.00
20' Bottomless Ground Hay Feeder \$825.00	Twin Arm 3 pt. Bale Unroller \$1200.00
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Jensen receives Walter and Joe Lewis Memorial High Point Senior Award

Brooke Jensen was chosen as the 2015 Walter and Joe Lewis Memorial High Point Senior Award winner for her involvement in National Junior Hereford Association (NJHA) activities. The award winners were announced July 3 at the VitaFerm® Junior National Hereford Expo (JNHE) in Grand Island, Neb. The JNHE had 800 youth from 38 states exhibiting 1441 head of Herefords, which was a record-setting number.

The awards, given in honor of the late Walter and Joe Lewis, Larned, annually recognize junior members for overall achievement in leadership, teamwork, skills and competition. The selection of winners is based on a point system for NJHA programs and activities and



Brooke Jensen, second from left, received the Walter and Joe Lewis Memorial High Point Senior Award at the Junior National Hereford Expo.

takes into account the junior's involvement in and out of the show ring during the JNHE as well as in the individual state associa-

tions. Brooke Jensen, Courtland, was awarded first place and a \$500 scholarship. Brooke, 19, is a sopho-

more at Kansas State University majoring in agribusiness. Brooke has been a member of the Kansas Junior Hereford Association for 12 years, current president of KJHA and served as the 2013-14 National Hereford Queen.

Brooke was elected to the NJHA board of directors during the 2015 JNHE, while she also earned points at the 2015 JNHE for being reserve champion senior showman, first place overall livestock judging team member, Champion Senior award in extemporaneous speaking and several photography awards. In the show ring Brooke was awarded first, second and third place with her bred and owned heifers.

An expanding Filipino milling industry sends trade team to the United States

The southeast Asian wheat market is a story of success for the U.S. wheat industry. In the 2014/15 marketing year (June to May), the region accounted for 20 percent of global U.S. wheat sales. With a strong milling industry to support it, the Philippine wheat market continues to be one of the region's most consistent and important export markets year after year. In 2014/15, the Philippines was the third-largest buyer of U.S. wheat and the second largest buyer of both soft white (SW) and hard red spring (HRS) wheat, setting a new sales record for the second year in a row.

Looking forward, the Philippine milling industry is going through transitions including an expansion of new mills and a new generation of management. Building on more than 50 years of service in the Philippines, U.S. Wheat Associates (USW) is playing a role in these transitions and further strengthening its rela-

tionships, including by hosting four milling industry customers on a visit to the United States Aug. 2 to 12, 2015.

"This is a trade team of emerging leaders that represent growing market trends in the Philippines," said USW South Asia Assistant regional vice president Joe Sowers, who is traveling with the team. "We invited participants that we think will best apply what they learn on the trip to the challenges and opportunities presented by the evolving market environment."

USW worked with the North Dakota Wheat Commission, Montana Wheat and Barley Committee, Washington Grain Commission, Idaho Wheat Commission and Oregon Wheat Commission to organize this team. While visiting these states, the team will get an on-farm look at the SW, HRS and hard red winter (HRW) wheat crops, and an early report on the 2015 crop quality outlook. The trip

also includes tours of wheat breeding research, shuttle and barge loading facilities and export elevators, as well as to observe activities performed by the Federal Grain Inspection Service (FGIS) to assure adherence to contracted quality speci-

fications.

"Our purpose is to demonstrate how the quality, value and reliability of U.S. wheat and its supply chain can help these millers grow their own businesses," said Sowers.



The Grand Champion ShorthornPlus Cow/Calf at the National Junior Shorthorn Show was exhibited by Faye Smith, Walton. M Bar Castle Princess 306, 2013 cow out of M Bar Castlerock 722T, and her calf M Bar FLS Princess Page was born February 2015 and sired by Connealy Front Page 0228.



The Grand Champion ShorthornPlus Steer at the National Junior Shorthorn Show went to HCCM Roan, shown by Benjamin Nikkel of McPherson. Nikkel's steer was sired by Gold Rush.

FARM MACHINERY • LIVESTOCK EQUIPMENT • AUTO MECHANIC TOOLS

AUCTION

SATURDAY, AUGUST 22 — 10:00 AM

As we have dispersed our cow herd and retired from farming, we will sell our livestock equipment and machinery located from FRANKFORT, KS 4 miles North on Hwy. 99 to Pheasant Rd., then 3/8 mile West. Or from the Jct. of Hwy. 36 & Hwy. 99 South of BEATTIE, KS 4 miles South to Pheasant Rd. then 3/8 West to 2108 Pheasant Road — FRANKFORT, KANSAS.

• SALE ORDER: Tools, Livestock Equipment, Machinery
• Lunch on grounds

TRACTORS, TRUCKS & TRAILERS
Case 1070 dsl tractor, factory cab, SN2473226, 9546 hrs., power-shift (less than 300 hrs. on new clutch), heavy rear weights, sells with GB loader with 6' bucket and new cylinders, runs good; Case 1270 Agri-King tractor with factory cab, 8 speed, SN8704326, 3 pt., cast wheels, 451 Turbo motor, weight bracket with 4 weights, sells for salvage (getting water in oil); 1967 Ford F-600 stub nose 2-ton truck, 5 sp. 2 sp., 16' all metal fold down bed with hoist; 1997 Fastlane 24' flatbed tandem axle trailer with new floor; 1980 6'x16' gooseneck stock trailer (good pasture trailer).

MACHINERY
New Holland 489 9' pull type swather with good rubber rollers; John Deere 16 hole FBB yellow top grain drill with fert. and grass seeder; John Deere 494-A 4-row planter with tall and short seed boxes, good shape; Glencoe 11 shank pull type chisel; Oliver 4x16" No. 566 plow; Case 1200 18' field cultivator with harrow and hyd. fold; Krause 18' hyd. fold disc; Krause 11 1/2' wheel disc; John Deere 12' pull type spring-tooth; John Deere RG-4 3 pt. 4-row cultivator with shields; Papec 4 1/2'x10' 2-wheel feed wagon; John Deere 4-wheel running gears; 4-wheel metal flair box wagon; unique Case PTO drive hay or grain elevator with fold up sides; John Deere 8' 3 pt. blade; 18' pipe big bale hauling frame for truck or trailer; 5 Star Mark 3 3 pt. post hole digger; 3 pt. bale mover; 2 pt. bale spear for loader; pair of 18.4x38 clampon duals.

LIVESTOCK EQUIPMENT
Trail type Field King 4000 double side creep feeder with side panels; (16) 10' shopmade portable panels, good; 3 near new 10' panels; several 12', 14' and 16' metal gates, good; Big Valley head gate

mounted on metal and wood portable alley with side openings; 4'x10' portable auger; 60+ wire cattle panels; 3 round bottom feed bunks; MPI flat bottom feed bunk; 3 Hay Saver round bale feeders with center cones, good; 6 other round bale feeders; double side metal electric Ritchie waterer; wooden calf stanchion panel for bucket calves; 8' galvanized stock tank, new near; small bale hay feeder; 2 portable cattle clipping chutes, good; 350-400 metal electric fence posts with double insulators; fence stretchers and supplies; pump jack; 2 Zareba solar fences; (2) 110V electric fences; 2 propane tank heaters; PTO wire winder; 75+ steel T-posts, 6' & 7'; heavy 4"x8" pipe gate post; 50+ 6" & 8" x 8' wooden treated posts (half are new); several 18' & 20' bridge planks; 50+ sheets of used tin; Circuter show blower-dryer; many Vet supplies, calf puller, etc.; Sunbeam small clippers.

HAY
46 big round bales of 2014 prairie hay, net wrapped; 20 big bales 2014 brome hay; 21 big round prairie hay (grinding hay); 10 big bales straw.

MISC. & ANTIQUES
Winco 15,000 watt 110-220V PTO generator on wheels with Electronic Excitation, good; very old 5-gal. galvanized fuel can with wide mouth screw off lid; (2) 5-gal. cream cans; Blue Leaf 3-gal. Western crock; 4-gal. crock; Maid-Rite hand wash board; good old wooden buggy tongue, neck yoke, old harness set; 2-man crosscut saw; block & tackle; old 30-ton ratchet hyd. jack; (3) 8.25 used truck tires; 15.5x38 used tractor tire; 170' of aluminum triplex electric wire; tailgate for 1986 Ford F-250 pickup, good; aluminum storm door; 800-gal. galvanized water tank; (2) 300-gal. fuel barrels with stands.

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CONSIGNED BY HAZEL LEAR
Due to the death of my husband, I will sell the following:
High quality Auto Mechanic Tools; Snap On 75th Anniversary 22-drawer metal tool box on rollers, very good; Many Snap On tools inc.: 1/2, 3/8, 1/4, air drills, angle head die grinder, 1/4, 3/8, 1/2" torque wrenches, drill bits, air hammer set, engine and brake hones, breaker bars, 1/4, 3/8, 1/2" extension sets, 3/8" impact set, 1/4, 1/8, 1/2" ratchets, 5 Torq Sticks; 10-piece short & 12-piece metric wrench set; 15-piece standard wrench set; line wrenches; 12-piece metric Blue Point gear wrenches; regular and short gear wrenches (5-piece each); regular ignition wrench set and thin ignition wrenches; offset wrenches; pry bars; heel bars; 1 1/4 & 1 5/16 wrench; Blue Point screw extractors; drill extractor; bushing driver set; ratcheting magnetic screwdriver set; double flare tool set; rivot kit; Blue Point piston ring compressor; bolt grip puller set; model MT1221 timing light; crow foot wrenches; 1/4, 3/8, 1/2 drive male and female metric, standard, deepwell and torque sockets; metric and standard allen wrench set; metric and standard wobble sockets; 3/8 & 1/2" impact sockets; spark plug sockets; pick set; hex key set; metric tap & die set; several brake tools; roll punch set; punch-chisel set; screw driver set; snap ring pliers; 2 roller carts; creeper; 3/8 impact driver; creeper; long bit set; left handed drill bits; distributor wrenches; **Other brand name tools including MAC, Matco, Ingersoll Rand, New Britten and Irwin;** large chain breaker; Irwin fastener drive tool set; Kentmoore Torque Angle Sensor kit; 3/4 socket set; 2 Liale relay test jumper kit II 60610; spindle rethreader kit; power probe lead set kit; Central dial calipers; Blue Point torpedo level; vise grips, pliers, hammers, etc.; Skil chain saw; Hopyy headlight aiming kit; DeWalt sawzall; Stihl weedeater and leaf blower; assorted camping and fishing supplies; plus more specialty tools of all types!
Check website for complete list.

CAR & PICKUP
1998 Buick LeSabre Limited, 4 door, 3800 Series II motor, leather interior, 188K.
1989 Chevy 1500, 5.7 motor (needs starter repair), 272K.

TERMS: Cash or valid check. Not responsible for Accidents or Theft. State-ments made sale day take precedence over printed material.

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U.S. agriculture production cost nearly \$400 billion in 2014

U.S. farmers spent \$397.6 billion on agricultural production in 2014, up 8.3 percent from 2013, the largest increase since 2008, according to the Farm Production Expenditures report, published by the U.S. Department of Agriculture's National Agricultural Statistics Service (NASS). Feed,

already the largest expenditure category for U.S. farmers, also saw the largest increase since 2013. In 2014, producers spent \$63.7 billion on animal feed, up 16 percent from the previous year. Farm services, livestock, poultry and related expenses, and labor were the other three major cate-

gories that saw an increase of 11.4 percent, 11.3 percent, and 8.6 percent respectively.

Per farm, the average expenditures total \$191,500 compared with \$175,270 in 2013, up 9.3 percent. As in the previous year, crop farms account for the majority of production expenditures in 2014, although the gap between two sectors was significantly smaller than in the previous years. The average expenditure per crop farm totals \$213,150 compared to \$173,285 per livestock farm.

Regionally, the largest increase in production expenditures was in the Plains regions, which includes states, such as Kansas and Texas. In that region, expenditures rose by \$11.6 billion from 2013. For 2014, total expenditures by region are:

Midwest \$124.0 billion; Plains \$99.3 billion; West \$85.6 billion; Atlantic \$48.2 billion; South \$40.5 billion.



Riley Sleichter of Abilene took home Bred & Owned Reserve Champion honors with his steer JJRM MR CHUB at the National Junior Shorthorn Show. JJRM MR CHUB is a son of JAKE'S PROUD JAZZ 266L.

Time of day of harvest and impact on nitrate concentration

By Glenn Selk, Oklahoma State University Emeritus Extension Animal Scientist

Forage sorghums are used by cattle producers for summer grazing or harvested for hay. Forage sorghums can be very productive and high quality, but can also accumulate toxic levels of nitrate when stressed. In the past, the assumption was made that the plant continues soil nitrate uptake during nighttime hours, followed by accelerated conversion of the nitrate to protein during daylight hours. Therefore past recommendations have been to wait until afternoon to cut forage sorghum for hay if anticipated nitrate levels are marginally high. You have heard the old adage: "Never assume anything...."

To evaluate the significance of the change in nitrate concentration in forage sorghums during the day, Oklahoma State University Extension County and Area Educators collected samples at two hour intervals from 8 a.m. to 6 p.m. Five cooperator's fields ("farm") were divided into quadrants. Three random samples, consisting of ten stems each, were taken from each quadrant at the specified interval. The samples were analyzed at the Oklahoma State University Soil, Water, and Forage Analytical Laboratory to determine the level of nitrates, in parts per million (ppm). As expected, differences between "farms" were substantial and significant. The mean concentration of nitrate for individual farms varied from only 412 ppm to 8935 ppm. The mean nitrate concentrations across all farms were 3857, 3768, 4962, 4140, 4560, and 4077 ppm for samples at 8 a.m., 10 a.m., noon, 2 p.m., 4 p.m., and 6 p.m., respectively. Remember, most laboratories consider nitrate concentrations at, or above 10,000 ppm potentially lethal. There was much more variation between farms than between harvest times. Time of day of harvest did not impact nitrate concentration or proportion of dangerous samples of forage sorghum hay. Don't be misled and believe that cutting the hay late in the day will solve all of the potential dangers of nitrate toxicity.

Source: Levalley and co-workers. 2008 Oklahoma State University Animal Science Research Report.

Crops progress and condition near average

For the week ending August 2, 2015, the east half of the state received above normal temperatures, while the west received below normal, according to the USDA's National Agricultural Statistics Service. Most of the state received half an inch or more of precipitation. There were 5.7

days suitable for fieldwork. Topsoil moisture rated 3 percent very short, 22 short, 70 adequate, and 5 surplus. Subsoil moisture rated 6 percent very short, 21 short, 71 adequate, and 2 surplus. Field Crops Report: Corn condition rated 3 percent very poor, 8 poor, 30 fair, 49 good, and 10 excellent. Corn

silking was at 90 percent, near 93 last year and 92 for the five-year average. Dough was at 35 percent, behind 49 last year and 51 average.

Soybeans condition rated 1 percent very poor, 8 poor, 41 fair, 45 good, and 5 excellent. Soybeans blooming was 61 percent, behind 71 last year and average. Setting pods was 28 percent, behind 36 last year, but near 26 average.

Sorghum condition rated 1 percent very poor, 4 poor, 28 fair, 61 good, and 6 excellent. Sorghum headed was 33 percent, ahead of 24 last year, but near 29 average.

Sunflower condition rated 1 very poor, 2 poor, 27 fair, 61 good, and 9 excellent. Sunflowers blooming was 21 percent, behind 26 last year, and 33 average.

Alfalfa hay conditions rated 1 percent very poor, 6 poor, 34 fair, 54 good, and 5 excellent. Alfalfa third cutting was 56 percent, ahead of 44 last year, but near 53 average.

Cotton condition rated 0 percent very poor, 10 poor, 27 fair, 53 good, and 10 excellent. Cotton emerged was 94 percent. Squaring was 68 percent, near 64 last year, but behind 83 average. Setting bolls was 22 percent, ahead of 14 last year, but behind 34 average.

Livestock, Pasture and Range Conditions: Pasture and range condition rated 2 very poor, 7 poor, 30 fair, 50 good, and 11 excellent.

Stock water supplies rated 2 percent very short, 8 short, 86 adequate, and 4 surplus.

AUCTION

SUNDAY AUGUST 16 — 12:30 PM
Morris County 4-H Building 612 US Hwy 56, COUNCIL GROVE, KS
 DIRECTIONS: 1 mile east of Council Grove on Hwy 56. WATCH FOR SIGNS.

ANTIQUES & COLLECTIBLES
 Adv. pcs.; various toys including JD sq. baler, JD 3020, JD 494 planter, IH sickle mower, JD chuck wagon; manure spreader, Structo semi & trailer, Tinker toys and other toys; Royal Hager pcs; large collection of chicken items; small vintage floor fan; iron bible stands; vintage lamps; several oil paintings on canvas; paper cutter; several quilts & chenille bedspreads; linens & fancy work; Redwing #6 crock; other crock items; Pioneer corn seed sack, plastic; vintage Remington portable typewriter; Jefferson Golden Hour electric clock; vintage waste cans; children's & other vintage books; candle molds & holders; silver plate pcs.; Fostoria pcs;

various glassware; vintage kitchen items; dresser lamps; letter openers; art deco pottery; alabaster eggs; galvanized buckets; various primitives; Spartus camera; wood boxes; Funk Oil Watts bowl & other Watts bowls; 1950's water set; Apple dinnerware; silver folding cup; sheet music, 1940's; Hull basket; Pyrex pcs.; paper cutter; picture frames; vintage records.

FURNITURE & APPLIANCES
 Oak ice cream parlor table & chairs; Larkin wall mirror; Globe Werneicke oak lawyers stacking book case, 3 section, very good; small oak drop front writing desk; small school desk; 4 drawer wicker chest; vintage Anker sewing machine in walnut cabinet; various pcs of primitive furniture; 1950's chrome kitchen table & 4 chairs, good; 4 poster rope bed; wood cart; small cedar chest, good; vintage walnut bdr. Set with full size bed, chest of drawers, dresser and mirror, very nice; oak claw foot wall hugger table, unusual; walnut dresser & oval mirror; oak bound steamer trunk with tray, very good; walnut chest of drawers.; small drop leaf table; sofa; chest type freezer, 15 cu ft, good.

MOWER & MISC.
 Self-propelled push mower, like new; power washer; BBQ grills; nice selection of kitchen appliances & items; several space heaters & fans; canning jars; bedding & towels; various sewing items & patterns.

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- Peterson Industries Inc., Curtis Peterson, 785-282-0470, Smith Center, KS 66967: 1998 Kenworth T800 Truck Tractor; 2014 Dodge Ram 3500 Pickup; 2014 Dodge Ram 3500 Pickup; 2011 Dodge Ram 3500 Pickup; 2007 Dodge Ram 3500 HD Flatbed Pickup; 2006 Dodge Ram 3500 Pickup; 2004 Dodge Ram 3500 Pickup; 1989 Chevrolet 2500 Pickup; 1988 Mack MR6305 Garbage Truck; 2003 Pace Enclosed Trailer; 1998 Stoughton Dry Van Trailer; 1997 Transcraft Eagle Flatbed Trailer; 1991 Great Dane Flatbed Trailer; Clark GCS175 Forklift; Clark C500Y50 Forklift; Toyota Forklift; Nissan GEH02A25V Forklift; White MY60ME Forklift; Trailer Dollies; Electric Hoists; Power & Hand Tools; Shop Supplies; Recreational Vehicle Parts.
 Tyler Blank, 785-476-8009, Big Iron Sales Rep
- J Unruh LLC, Jerrold Unruh, 316-215-1780, Newton, KS 67114: Case W-14 Wheel Loader; 1998 Chevrolet C-8500 Flatbed Truck; 1980 Freightliner Dump Truck.
- Betty Hickert, 785-675-1010, Selden, KS 67757: 1983 John Deere 4650 Tractor.
 Kevin Barnett, 785-443-1722, Big Iron Sales Rep

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785-336-1001 Baileyville, Kansas

Rock Creek High School places 25th in National Envirothon contest

A five-member team of high school students from Rock Creek High School near Flush, placed 25th out of 52 teams at the National Conservation Foundation's (NCF) Envirothon which took place on July 27-August 2, 2015 at Missouri State University in Springfield, Mo. Teams spanning North America tested their skills at one of North America's largest high school natural resource education competitions. This was the first time Rock Creek High School attended the national event.

The NCF-Envirothon tests teams on their knowledge of soils and land use, aquatic ecology, forestry, wildlife, and a current environmental issue (Urban/Community Forestry). Each team is tested under the supervision of foresters, soil scientists, wildlife specialists and other natural resource professionals. Teamwork, problem-solving and presentation skills are eval-



David Holliday, left, is advisor to the Rock Creek High School Envirothon team made up of Nate Jilka, Wyatt Fouts, Justin Dunafon, Paul Glover and Brett Schwartz.

uated as each team offers a panel of judges an oral presentation with recommendations for solving the specific

challenge that is presented during the competition.

The team from Kansas City, Mo. took top honors,

with the team from Pennsylvania placing second and Texas coming in third. The NCF has a partnership with Smithfield Foods for funding for the contest that gives the three highest-scoring teams monetary awards. All teams were honored at an Awards Banquet on August 1st.

The Rock Creek High School team representing Kansas consisting of Wyatt Fouts, Paul Glover, Nate Jilka, Brett Schwartz and Justin Dunafon were sponsored by the Kansas Envirothon and the Pottawatomie County Conservation District. Their advisor, Mr. David Holliday, agricultural instructor at Rock Creek High School, also attended the competition with the team. The gentlemen worked hard all week; however enjoyed such activities on the Missouri State University campus, Silver Dollar City near Branson, Mo. and the Bass Pro Shop in Springfield.

KSU student receives 2015 Forrest Bassford Award

Nicole Lane, a senior majoring in agricultural communications and journalism at Kansas State University, was awarded the 2015 Livestock Publications Council (LPC) Forrest Bassford Student Award sponsored by Alltech. Lane was presented a \$2,000 scholarship and a plaque during the Ag Media Summit (AMS) held in Scottsdale, Arizona July 25-29.

The daughter of a school-teacher and a forester in John Day, Oregon, Lane found her way to farming on her own, when she begged for a sheep at the age of nine. Soon, that single sheep turned into 30 breeding ewes and a passion for 4-H, and later the decision to enroll in Kansas State University to follow her passion of agriculture.

"Agriculture has the most incredible stories to tell and I'm so excited to tell them," Lane said after accepting the award. "Food is what connects us all. It means so much to be recognized by the people I look

up to in this field and the people whose articles I clip out of magazines. Being a kid from Oregon and going so far to pursue this dream in Kansas, this award really means so much. It's validating."

Lane serves as president of both the Agricultural Communicators of Tomorrow and the professional agricultural sorority Sigma Alpha. Lane works at the Kansas Department of Agriculture on the Marketing and Advocacy team as an intern and as the graphic communications specialist for K-State Research and Extension's News and Media Team.

2015 marks the 30th year for the Student Award Program. The Forrest Bassford award honors excellence, professionalism and leadership among students. Each year, following a competitive application process, the LPC Student Award Program presents four young people travel scholarships to attend AMS.

"There has never been a

better time for young, excited journalists to write about and examine agriculture. Every day, consumers are trying to better understand where their food is coming from and are interested in the process," said Dr. Pearse Lyons, founder and president of Alltech. "There are just so many stories to tell. We certainly need more passionate young people telling those, which is why we are proud to support this award."

In addition to Lane, this year's travel award winners were Kendall Herren, Uni-

versity of Illinois; Kaitlin Morgan, Kansas State University and Jamie Keyes, Utah State University. While at the meeting, the four finalists' portfolios were reviewed and each was interviewed by a panel of professionals.

The name of Forrest Bassford, a founding member of LPC, was added to the LPC Student Award in 1992 in honor of his contribution to LPC, and his particular interest in furthering the Student Award. Alltech has co-sponsored the award since 2012.



Reserve Champion market lamb at the Geary County Free Fair went to Rebekah Thomas for this 124 pound crossbred.

UPCOMING AUCTIONS

STORAGE AUCTION - MOSTLY HOUSEHOLD

601 S Broadway, Salina, KS

Saturday, August 15, 2015 at 10:00 am

Have a large consignment of household items including furniture, appliances, electronics, cookware, dishes, pictures, decor. This will be combined with a large storage unit of household items to make a stand alone household consignments auction. **Check web site for sale bill.**

CONSIGNMENT SALE with KDOWPT items

601 S Broadway, Salina, KS

Saturday, September 19, 2015 at 10:00 am

Now accepting consignments - already have several guns from Kansas Dept of Wildlife, Parks & Tourism and a consignment of nice hunting equipment. Should be a good sale for hunting & fishing enthusiasts. Contact auction staff, consign early and benefit from \$\$\$\$ advertising in newspapers & web sites. **Watch website for sale bill.**

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AUCTION

SATURDAY, AUGUST 22 - 9:00 AM

Offering for sale at Public Auction, located at 914 N. Burmac Rd., Burrton, KS from the intersection of U.S. Hwy. 50 & Burmac Rd. 1 3/4 miles north.

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3600 6-18 plow; sickle mower; 2-20' headers with Hesston HeadHunters; pickup reel; & more.

RV, VEHICLES, FARM & HOUSEHOLD ITEMS

1999 Winnebago Adventurer turbo diesel RV, 34' with slide outs, 42,315 miles, shedded; 1997 Ford F-150 XLT pickup, 3rd door, 74,611 miles; 2010 Ford F-150 Super Crew 4x4 XLT pickup, 5.4 8 cyl. eng., bed cover, loaded, 75,450 miles; 2012 Ford Fusion 4 door car, 29,975 miles; 2000 Ford Windstar SE mini van, 90,500 miles; 40' storage container; E-Z Go golf cart; Kawasaki Bayou 220 4 wheeler; Excel Hustler 295 mower; Country Clipper Jazee Pro SR350 52" 20 hp mower; 300, 500 & 1,000 gal. fuel tanks; 250 gal. propane tank; 75 gal. propane tank; 100# propane bottles; cattle squeeze chute; Continental 30 ton shop press; 3/4" socket set; Rigid 36" pipe wrench; metal cutting band saw; gear pullers; impact & sockets; Poulan 295 chainsaw; welder; sawzall; scroll & miter saws; ladders; table saw; DeWalt chop saw; 10" radial arm saw; 50-sheets plywood; metal shelving; drill press; Western 20 gal. crock; new Kenmore microwave; Oak roll top desk; Whirlpool refrigerator; Whirlpool washer; Maytag dryer; coffee & end tables; recliners; 3 pc. bedroom set; Singer treadle sewing machine; book shelves; bunk bed; dressers; 2 pc. bedroom set; old wicker wheelchair; new Ashley wood stove; Maytag wringer washer; ping-pong table; gas range; chest-of-drawers; Dazey #40 butter churn; cast iron items; & more.

TERMS: Cash day of sale. Statements made day of sale take precedence over advertised statements.

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PERSONAL PROPERTY AUCTION

SATURDAY, AUGUST 15 - 10:00 AM

2323 North Jackson - JUNCTION CITY, KS

FURNITURE

China Cabinet w/Matching Exp Table & 6-Padded Chairs, Ethan Allen Table w/4-Chairs, Corner Hutch, Curio Cabinet, Flexsteel (Loveseat, Couch w/2-Matching Chairs & Ottoman), Brass King Size Bed, Dixie King Size Bed w/ 2-Matching Nightstands, Heywood-Wakefield Double Dresser, Chest & Tables, Round Glass Top Table, Coffee Table, Old Parlor Tables, Wall Mirror, Cedar Chest, Lamps, Floor Table Lamp.

GLASSWARE & COLLECTIBLES

Antique Baby Plates, Bowls & Cups, Black Amethyst Glass Vases, Etched Glass Pitcher, Carnival Glass, Milk Glass, Drink & Wine Goblets, Pressed Glass Bowls, Pink Etched Bowl w/Candle Holder, Decorator Plates, Wine & Liquor Decanters, Antique Cookie Jars (McCoy & Japan), 3-Brown Stoneware Mason Jars, 3-1 Gal Stoneware Whiskey Jugs, 2-1 Gal. Stoneware Pottery Water Dispensers (1 Manufactured by Pittsburg Pottery Co.), Mexican Pottery Tea Set, Czech Pottery (Bird Wall Pockets & Bud Vases), McCoy Pottery (Pitchers, Bird, Fish Handle & Lily Pad), W-5 6 1/2" Hull Vase, Pottery (Brush, McCoy, Shawnee, Royal Copley, Hull, Roseville & Morton), Hummel's, Large Hummel Figurine Center Piece, Avon Figurines, Anri Sarah Kay Figurines, Large Chalk Pig, 20+ Beaded Purses from Belgium, France, Czechoslovakia, Germany & Japan, Pocket Knives (3 Blade Camillus Cub Scout, 2 Blade Kutmaster, & 2 Blade Camillus), Binoculars 7 x 50, 7.1 Novar, Tokyo No. 578684, Black with Brown Leather Case, Made in Occupied Japan, Antique Prints by Thompson, Atkinson & Fox, Framed Antique Verse From 1930's, Old Books to Include "Boy Scouts Courageous" By Franklin K Mathiews (1920), & "The Tale Of Grumpy Weasel" By Arthur Scott Bailey (Sleep-Time Tales Series, 1920), Old Sewing Magazines, Cook Books, Victorian Calendars, Photo Albums, Picture Frames, 1930 CI Crouching Lions Bookends, Large Collection Of Jane Wooster Scott Puzzles, Coors Neon Sign, Michelob Neon Sign, Old Barn Light, Kool Cigarette Sign, Misc Budweiser Items, Lionel Train Set, Marx Service Station Set, Misc RC Cars, Misc Plastic Car Models, Toys, Metal AC Spark Plug Display, 5ft Card Board Betty Boop Display, Large Milk Can, Wood Ammo Box.

TOOLS & MISCELLANEOUS

Craftsman Scroll Saw, Craftsman 2 Wheel Grinder, Peavey TKO65 Bass Amplifier, Chicago Cutlery Steak Knives w/Holder, Old Raggedy Ann & Andy Dolls & Items, Old Toy Dolls w/Clothing, Wrist Watches, Small Kitchen Appliances, Corning Ware Bowls & Lids, Cookware & Baking Pans, Craft & Scrapbook Supplies, Reed Hollinger Walnut Items, King Size Bedding, Area Rugs, Braided Oval Rug, Elena Iron Presser, Irons & Ironing Board, Games, 2-Coleman Lanterns, Set Of Pool Balls, Old Wood Slalom Ski, 8-Antique Fishing Rods (Telescoping Steel, Hiawatha, Union Hardware Co, Richardson Rod & Reel Co), 2-Antique Fly Rods (1 w/Bronson Royal 360 Reel), Lake Systems Div Color-C-Lector Lure Selector, Humming Bird LCR 3004 Fish Locator by Technonic, Super Motor Guide Foot Controlled Electric Trolling Motor, Christmas Paper & Decorations, Patio Table w.4-Chairs, Large Patio Seat w/Drink Holders, Planters, AND MANY, MANY MORE ITEMS TO NUMEROUS TO LIST.

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13525 222nd St, Linwood, KS

tives, tools & misc. at Lawrence for Robert (Bob) Lemon. Auctioneers: Elston Auctions.

August 23 — Farm, livestock equipment, grain bins, Morton buildings, UTV, fencing equipment & much more at Platte City, Missouri for Blacktop Farms. Auctioneers: Jerry

Lehmann, Scott Crawford & Marty Couch.

August 25 — 256 acres m/l mostly tillable land held at Salina for John & Genevieve Schneider Trusts. Auctioneers: Horizon Farm & Ranch Realty, LLC.

August 26 — Tractors, combines, trucks, trailers,

farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

August 27 — Real estate, offices & warehouse space for Mid-Kansas Cooperative Association at Talmage. Auctioneers: Reynolds Real Estate & Auction Co.

August 27 — 200 acres m/l Greenwood County farmland, timber, wildlife & more held at Eureka for Cheney Family Heirs. Auctioneers: SunGroup, David Sundgren.

August 29 — Antiques, collectibles, publications, household furniture & appliances, farm machinery, boat, pickup, shop tools, equipment & misc. at Minneapolis for Bob & Maxine Behrendt Estate & Family. Auctioneers: Bacon Auction Co.

August 29 — Southern Jackson County real estate, building sites held at Hoyt. Auctioneers: Simmitt Bros., Darrell Simmitt.

August 29 — Tractors, truck, farm machinery, toys, household & farm items near Tampa for Palmer (Lucille) Base. Auctioneers: Van Schmidt Auction.

August 29 — Real estate

ing supplies, shooters & gun history books, books, power & hand tools, shop, collectibles, household, wheel chair lift van & more at Eskridge for Robert A. Leslie Estate. Auctioneers: Macy Realty & Auction.

September 1 — 179.8 acres Osborne County farmland held at Downs for Ronald R. Frevert Family Trust & Frevert Farms, LLC. Auctioneers: Thummel Real Estate & Auction, LLC.

September 7 — Chapman Labor Day Festival including a Barn Quilt walk and the Class of '77 Car Show, Chapman.

September 7 — 20th annual Labor Day auction at Lyndon. Auctioneers: Harley Gerdes Auctions.

September 19 — Pastureland real estate with outbuildings, livestock equipment, tools & collectibles North of Onaga for Vincent M. Cass Estate. Auctioneers: Cline Realty & Auction, LLC.

September 19 — Real estate

(house) & household at Wakefield for Ron & Marsha Hunsecker. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

September 19 — Consignment auction at Salina. Auctioneers: Wilson Realty & Auction Service.

October 3 — Coins at Iola for collection from Earl & Mary Clemans Estate.

Auctioneers: Kurtz Auction & Realty.

October 10 — Farmland & hunting land real estate, Minneapolis Moline collectible tractors & other farm machinery, tools East of Goff for Kenneth J. Wessel Estate, Linda Allen, executor. Auctioneers: Cline Realty & Auction, LLC.



Kacey Butler won Grand Champion breeding goat with her doe in the 0-6 months-old category at the Geary County Free Fair.

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AUCTION
SATURDAY, AUGUST 22 — 9:30 AM

LOCATION: From HOPE, KS & "4" Highway, go West on 4, 7 1/2 miles or from the intersection of 4 Highway & 15 Highway, go East on 4 Highway 2 1/2 miles to auction site. WATCH FOR SIGNS! WATCH TRAFFIC!



TOOLS SELL FIRST
Craftsman 14-drawer tool chest; Craftsman tools; electric chain saw; leg vise; saws, bars, planes, levels, spades, axes, forks, shovels, pipe wrenches, large and small tap & die sets; nuts, bolts, misc. items; garden supplies & tools; tool boxes; gas cans; weed sprayers; weed eaters; torque wrenches; bench vise; drill press; bench grinder; propane bottles; pressure washer; rear tine tiller; ZTR 428 Dixon mower; push mower; (5) 1-gallon Peak antifreeze; chain hoist stand and chain hoist; lots of log chains; wire stretcher; misc. rope; electric cords; RR jack and large house jack; pickup tool box; iron wheels; 2 fuel tanks on stands; square and round tubs; galvanized buckets; minnow buckets; tackle boxes and rods and reels; 2x12 and 1x12 lumber; large pile of used galvanized roofing; electric branding iron; portable air compressor; Handyman jacks; LOTS MORE!

Slip-in pickup camper
PRIMITIVE WOOD ITEMS
Cabinet flour bins; shelves; tool boxes; picnic table; porch glider; 6' church pew; wooden cupboard; 2-door cabinet; 8'x3' 3-leg barn/shop tables; pine chairs; Jenny Lind bed frame; small pine kitchen table with 2 chairs; enamel top 1-drawer table; pine cupboard; wooden 4-H trunk; wooden tool boxes; 3 nail kegs; plant stand; nice Hoosier cabinet, complete; small secretary; old tables; old church Hymn page numbers Registra.

COLLECTIBLES
Lots of old license tags; old wrenches; horse collars, hames, bridles & harness; meat saws; 2-man saw; cream and milk cans; sad irons; old iron baby bed; cast walking sprinklers; CI sewing stand; small horse vane; hand drill and bits; #242 Supreme and G.T. Ham Co. #00 barn lanterns; Ford wrench and JI Case Plow Works wrench; 3 nice Dazey churns; #4 Red Wing crock; #6 and #15 Pittsburg crocks; 4 metal lawn chairs; 2 large brass shells and 2 metal rockets; **Manuals:** McCormick Deering #8 threshers-spreader; 1929 Allis tractor; JD #11-A/12-A combines; 1926 K.C./Kile Com. Livestock pad; W.W. Rumold cedar chest; cowboy statue; Maytag wringer washer; double square tub on stand; US Air Force picture; 2 Navy blankets; Shorthorn bull; wood Horned Brahma bulls; Western horse in box; Resistol hats and Justin boots; pair spurs; Tonka gravel truck; Ford 4000 tractor and J.D. trailer; Am. Cutlery scale; kerosene lamps; Kellogg candlestick phone; small wall wooden phone; B-H electric lamp; ballet dancers table lamp; old Brownie gas shaver in box; Philco console

standard broadcast radio/turntable; kids records, Gene Autry, Lone Ranger, Bing Crosby cardboard record, Yellow Rose of Texas Gray Gull Fox Trot and more Western records; kids Golden Books; old cameras; 10¢-15¢ Dell and Classic comic books like Wyatt Earp, Gunsmoke, Rawhide, Batman, Superman, Huckle-berry Finn, Tom Sawyer, Yogi Bear, Bugs Bunny and Tom & Jerry; Fisher-Price barn scene toys.

PICTURES
Signed F. Grayson Sayer Western and C.M. Russel Wild Horse picture; Lone Wolf looking right; lots more wall pictures.

GLASS, COLLECTIBLES, ETC.
2 pie birds; Weller and Hull vases; lots of Fiesta ware items; Ruby Red items; Ruby Red serving set; Knowles chinaware; Iten Biscuit Co. animal cookies tin; silhouettes; 2 old Juice-o-Mat; mustache cups; lots of knick knacks.

FURNITURE & KITCHEN
3-piece bedroom set; 2-piece bedroom set; recliners, sofa, lamps and tables; coffee and end tables; 3 legged round top table; old rocking chair; quilt rack; picnic baskets; lots of craft items, totes; old patterns; Singer sewing machine; misc. linens, towels, blankets and fancywork; flatware, Pyrex, Tupperware, skillet and all the normal average family kitchen items.

Click on ksallink.com



TERMS: Pay by Cash or Good Check. Statements made day of auction take precedence over printed material. Not responsible for accidents. LUNCH BY BURDICK RELAY FOR LIFE

SELLER: VERDON LONG ESTATE
AUCTIONEERS: BOB'S AUCTION SERVICE 785-258-4188
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Clerk/Cashier: Bob's Auction Service

REAL ESTATE AUCTION
TUESDAY, SEPTEMBER 1 — 7:00 PM
Auction will be held in Memorial Hall, DOWNS KANSAS

NE ¼ & E ½ E ½ NW ¼ 5-7-11 Osborne Co. Kansas

The farm is located on the SW corner of W 60th Drive & S 40th Ave (From Downs, Kansas go 2 miles South on 181 highway to 60th Drive then 1 mile West to 40th Ave). There are 179.8 acres, with 173.67 broke acres, 6.13 acres waterway. Bases are wheat 106.73 with 40 bu yield, grain sorghum 19.30 with 81 bu yield, corn 6.97 with 109 bu yield, for a total base of 133 acres. The farm is in the ARC-CO program election.

2015 taxes will be pro-rated to September 1, 2015. 2014 taxes were \$1,694.60

Terms: 10% of purchase price as down payment day of auction, the balance will be due upon closing on or before October 15, 2015. Down payment will be escrowed with Collier Abstract, escrow fees will be split 50/50 between seller & purchaser. Title insurance will be used, the cost will be split 50/50 between seller & purchaser.

Possession: Possession of approximately 144 acres that have been worked will be September 2, 2015. The seller will pay renter the expense of working this ground. Possession of the approximately 29 acres planted to milo will be after 2015 milo harvest. Purchaser will receive 1/3 landlords share of milo crop.

Thummel Real Estate & Auction LLC is acting as seller agent. All statements made day of auction take precedence over printed material.

RONALD R. FREVERT FAMILY TRUST & FREVERT FARMS LLC
Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
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AUCTION
SATURDAY, AUGUST 15 — 10:00 AM
POTTORF HALL, CICO PARK — MANHATTAN, KANSAS

Antique china cabinet; Walnut dresser with glove boxes; antique Oak claw foot library table; antique roll top desk; antique Oak buffet; leather couch & chair; dining table, 8 chairs, 2 leaves from Ashley furniture; pr Victorian chairs; antique twin iron bed (great mattress); square Oak side table with glass ball claw feet; 5 antique Oak pressed back caned chairs; antique (white) round table out of old Gilette Hotel; Birdseye Maple dropproof writing desk; Eastlake chair with needlepoint back; antique glass book cabinet; caned seat & back rocker; antique kitchen cabinet; 4 antique bar stools from old Milford bar; 4 antique ice cream chairs; Oak cane seat chair; cedar chest; woven seat stool; 5 antique dining chairs; set of 3 caned chairs; patio table & 2 chairs; rocker with upholstered seat & back; antique coat/hat rack; pr Oak caned seat chairs; children's chairs; shoeshine stool; antique rockers; Kenmore portable dishwasher; sewing machine; step table; trunk; 2 office chairs; metal shelving; old metal lawn rocking chairs; large chalk board; 4-drawer McCall's cabinet; 5'X7' area rug; assorted of-fice cubicles (steel with tan fabric) various sizes; shelving units. Bohemian glass 7pc wine set; bottle with stopper; lion head vase & 2 candy dishes; Schur 1010 toy limousine (Occupied German) with box; Marlow & other woodcuts; stoneware water cooler with lid; Budweiser steins; brass bird cages; **Collection of approximately 450 (new in box) Springlock puzzles;** lamps; Bobbsey Twins & other books; collection of little Ty animals; Pampered Chef; food processor; miscellaneous pans; glassware; dishes; Collectibles; chicken figurines; Art work including quilted wall hanging; painted bull skull; china; paperweights; hand-made quilt; 2 Nativity sets; linen/full-Queen-twin bedding; old heavy comforters; towels; Polaroid land camera; fans; electric iron; lamps; sofa pillows; bookshelf; old blue canning jars; home décor; pictures; Hoover vacuum; Holiday decorations; kitchen utensils; plastic ware; ceramics; chair caning supplies; craft materials;

crutches; Bissell vacuum; pressure cooker; cast iron double sink copper tone (new in crate); electric range top; wheelchair; 2 walkers; box fans; child's wheelbarrow; swim fins; paddle board; venetian blind slats. Craftsman wood lathe & tools; Sears power lawn mower; gas weedeater; 6' exterior French doors; counter tops; china lavatory; heavy fibre glass sturdy government shipping containers; Station battery charger; oil filled heater; small smoker; kerosene heaters; gas weedeater; Craftsman router (near new); Craftsman jig saw; miscellaneous tools; hammers; Ryobi tool set; Ryobi drill; 7 qts oil; metal work bench; automotive supplies-fluids etc; ammo & toolboxes; 4'X125' roll of weather resistant insulation; Coleman lanterns; Coleman camp stove; coolers; 3 lawn spreaders; saws; wrenches; socket sets; electric motors; fluorescent shop lights; Imperial gas can; wooden & galvanized buckets; sign frames; Craftsman sprayers; car ramps; hydraulic jack; Chuck wagon style camp set; Lots & Lots MORE, many items packed in storage!

NOTE: Very Nice Auction!

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Outlook promising for duck hunters this season

According to the U.S. Fish and Wildlife Service's (USFWS) 2015 Trends in Duck Breeding Populations survey, overall duck numbers remain strong as we enter the 2015-2016 hunting

seasons. The USFWS stated that total populations were estimated at 49.5 million breeding ducks in the traditional survey area, which is 43 percent above the 1955-2014 long-term average and

the highest count on record. Last year's estimate was 49.2 million birds.

According to the report, current species estimates are as follows:

Blue-winged teal: 8.5

million, 73 percent above the long-term average.

Green-winged teal: 4.1 million, 98 percent above the long-term average.

Northern shoveler: 4.4 million, 75 percent above

the long-term average.

Northern pintail: 3.0 million, 24 percent below the long-term average.

Mallard: 11.6 million, 51 percent above the long-term average.

Gadwall: 3.8 million, 100 percent above the long-term average.

American wigeon: 3.0 million, 17 percent above the long-term average.

Redhead: 1.2 million, 71 percent above the long-term average.

Canvasback: 0.76 million, 30 percent above the long-term average.

Scaup: 4.4 million, 13 percent below the long-term average.

Waterfowl hunting seasons in Kansas will begin with the teal season in the Low Plains Zones Sept. 12-27, followed by the High Plains Zone Sept. 19-27, 2015. Regular duck and

goose seasons will be approved by the Kansas Wildlife, Parks and Tourism Commission at the public hearing portion of its August 20 meeting, which will be held at the Kansas Wetlands Education Center, 592 NE K-156 Highway, Great Bend. The public hearing will begin at 6:30 p.m. Waterfowl hunters are required to possess a Kansas HIP permit, state waterfowl permit, federal waterfowl stamp, and Kansas hunting license, unless exempt.

For more information on Kansas waterfowl seasons, visit ksoutdoors.com.

To view a complete version of the data, and get a species-by-species breakdown, visit www.fws.gov/birds/news/150702trend.php, or www.ducks.org/DuckNumbers.

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ON THE EDGE OF COMMON SENSE

Stupid Question

Who said, "There is no such thing as a stupid question?"

1. Is that cow really

angry with me for messing with her cute little calf or is that just a defensive posture she assumes because it is expected of her?

2. Did Dad rope that front foot on purpose?

3. I had a pickup like that. Have you tried choking it?

4. How come the first calf in the crowding alley is turned backwards?

5. Did the mill make a mistake, or did you really recommend taking all the grain outta the finish ration?

6. I've never seen a horse do a complete back flip. Did you teach him that?

7. This Elko is quite a place. Which one of you guys is a cowboy poet?

8. Why didn't you quit before you took that last drink?

9. That dog in the gate...is he yours?

10. That's a great tattoo. Were you drunk?

11. You don't see too many left-handed team ropers. You a heeler?

12. Does the NO TRESPASSING sign mean I can't hunt on your place?

13. Didn't you know that wire was hot?

14. It worked on the scouring pigs, didn't it? See, I feel better already.

15. Sure, I can run one of these. How do you start it?

16. Nice dismount. You with the circus?

17. Is the Forest Service upping your AUMs this year?

18. Do you mean to tell me not one of you top hands can milk a cow?

19. Fifty dollars on a pair of threes! Were you bluffing?

20. Hello... did I wake you?

21. That's gonna need stitches! Does it hurt?

22. How could you possibly have missed that last steer? We would've won \$1500!

23. I didn't know you could put a book of cowboy poetry as a ranch expense?

24. Did the packer buyer pay you more when you told him they weren't branded?

25. Didn't you hear me yell "IN!" on the black baldy and "BY!" on the other three?

26. Were you scared? Better go back to the house and change.

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'Prepare Kansas 2015' registration is open

Forty-two. That's how many Kansas counties have been declared major disaster areas this year alone, due to severe weather events that swept through the state May 4 through June 21.

Those 42, out of Kansas' 105 total counties, stretched from Atchison in the northeast, to Hodgeman in the southwest, and Sumner in the south central. The disaster designation, announced by President Obama in a July 20 White House news release, makes them eligible for federal aid.

There is no question Kansas has its share of disasters, but not all come in the form of a major storm. When any home floods or is ravaged by fire, it's a disaster for the individual homeowner, renter or business owner involved. For that reason, some emergency responders say "all disasters are local."

K-State Research and Extension has developed a way for

Kansans and others to prepare. Prepare Kansas is an online challenge, now in its second year, which focuses on simple activities every week during September. A goal is to make it as easy as possible for individuals or families to complete each activity – and become better prepared.

This year, the activities focus on creating an emergency supply kit; assembling a "grab and go" kit for each family member (including pets); creating a communication plan; and practicing a fire drill. Each week will focus on different emergencies that can happen.

The program coincides with National Preparedness Month, designated by the Federal Emergency Management Agency.

"We've had such good response to this program. We look forward to working with past participants on new activities this year, as well as with Kansans who are new to Extension

programs," said Kansas State University associate professor Elizabeth Kiss.

Working step-by-step on each Prepare Kansas activity helps participants to be better prepared for emergencies, whether at home or at work. It can also spark discussions among families or co-workers about preparedness in general and the best ways to handle future disasters, Kiss said. By the end of September, participants will be more prepared for any emergencies, which can make recovery easier.

A Prepare Kansas blog is an ongoing resource available to anyone, whether they participate in the annual challenge or not. It addresses seasonal threats and other topics with links to more information.

Register for Prepare Kansas at <http://bit.ly/1It2tpU>, or read the blog at <https://blogs.k-state.edu/preparekansas/>.

Time to monitor summer fish kills in farm ponds

Many who swim in ponds during the summer notice how the water toward the surface tends to be warm, with cooler layers below. Water in ponds and lakes is stratified in the summer, and those layers usually don't mix until the fall in a process called fall turnover.

A premature fall turnover, however, is one of the main reasons for summer fish kills, said Charlie Lee, wildlife specialist for K-State Research and Extension. Normal fall turnover happens typically by late September, so a turnover in July or August is considered premature.

"Oftentimes after a heavy, cold rain, the volume of water that washes into the pond causes a premature turnover," Lee said. "What happens then is the oxygen levels are too low to support fish life because of the large amount of water that rushed into the pond."

The oxygen deficient part of the pond is in that cooler layer, Lee said. This is because organic matter decomposes at the bottom of ponds and uses a lot of the

available oxygen in the summer. Fish normally live in the top four to five feet of water, so if the cooler water prematurely rises to the top, the lack of oxygen near the surface can be lethal.

Sufficient oxygen is necessary for fish to survive, and Lee said the summer months often bring both increased oxygen production and increased oxygen use. Long days mean more sunlight and the opportunity for algae and aquatic plant production to create more oxygen. But, summertime also means increased animal and plant respiration and organic matter decomposition that require oxygen.

"In most cases, the oxygen produced in the daylight far exceeds the amount used in decomposition and respiration," he said. "As long as the daytime oxygen production exceeds the nighttime oxygen use, summer fish kills due to insufficient oxygen are not going to occur."

While vegetation in the pond helps supply oxygen, too much vegetation atop the pond can lead to sum-

mer fish kills. Like premature turnover, too much vegetation cover can cause lower levels of oxygen when the weather conditions are just right.

"Excessive vegetation itself doesn't result in a fish kill," Lee said. "Typically, problems arise in hot, cloudy and calm weather patterns. We get a reduction in sunlight, which reduces the amount of oxygen being produced while the oxygen consumption remains unchanged. Over time, that oxygen level will slowly decline."

Ponds choked with vegetation can withstand a few cloudy days with no problems, but if the clouds persist for more than four to five days, lower oxygen levels could be harmful to fish, he said.

"Oxygen levels too low for largemouth bass and bluegill fall between 3 and 4 ppm (parts per million)," Lee said. "Channel catfish can survive on a bit lower, but typically I like to see oxygen levels above 4 ppm."

Preventing summer fish kill

If you want to control the vegetation cover with herbicides, now is not the best time, Lee said. It is best to delay control until air temperatures are cooler, or better yet, control excessive vegetation in the spring.

"If you treat this time of year, you are going to get a massive die-off of that vegetation," he said. "Once that die-off begins, we get a substantial amount of organic material on the bottom of the pond that begins to decay, so the oxygen consumption outpaces the oxygen production. The bacteria are using more oxygen. The plants are not producing any oxygen. You couple that situation with a calm, cloudy day or two, and you're likely to get a fish kill."

The best solution is prevention, Lee said, which starts with proper pond construction. As an example, small, deep ponds that experience a premature turnover would have a larger proportion of water with minimal oxygen compared to large, shallow ponds. Limit the amount of aquatic

vegetation growing in the pond using timely management strategies. Lastly, consider installing an aeration system in your farm pond.

"Some use the windmill-type pond aerators," Lee said. "Unfortunately, those are needed the most on those calm, hot days, and they cease to work. That's not an effective solution unless you have some way to convert that wind energy to electricity or use a generator to make those windmills work on calm, hot days."

"You can also try to use a

2-inch water transfer pump, spray that water up into the air with a nozzle and produce small droplets," he added. "As those droplets fall back into the water, they pick up oxygen. But, usually once you see fish at the surface that are gulping and lacking oxygen, it's probably too late."

Lee pointed out that summer fish kill is often more noticed than winter fish kill—also the result of a significant decline in oxygen—due to periods of longtime ice cover.



Wildcat 4-H Club member Rachel Featherstone exhibited the reserve champion Jersey female at the Riley County Fair.

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For our sale Friday, August 7 there were not enough light steer and heifer calves to fully test the market. The bulk of the run was big fall calves and 650 to 700 lb. yearlings and they were selling at fully steady prices on the kind offered. Cull cows and bulls were also selling at steady prices on a light test.

STEERS AND BULL CALVES — 275-550 LBS
Havensville 4 xbred 290@350.00
Peabody 6 blk 476@299.00
Marion 3 blk 451@296.00
Auburn 5 xbred 527@268.00

BULLS & FEEDER STEERS — 550-950 LBS.
Peabody 13 blk 560@271.00
Auburn 20 xbred 604@254.50
Manhattan 6 blk 564@253.00
Marion 5 blk 610@248.00
Scranton 9 xbred 601@247.00
Alma 6 blk 609@245.50
Peabody 16 blk 651@243.50
Scranton 17 xbred 680@227.50
Alma 28 blk 683@225.50
Allen 3 blk 668@222.00
Alma 24 blk 714@220.75
Auburn 10 xbred 756@220.00
Wheaton 24 blk 709@220.00
Alma 71 blk 808@216.10
Manhattan 7 blk 697@214.75
Green 4 xbred 725@214.50
Leavenworth 9 blk 792@214.50
Wheaton 31 blk 793@214.25

Scranton 6 blk 807@211.50
Onaga 8 blk 788@210.50
Alma 30 blk 791@207.50
Allen 7 blk 827@206.50
Elmdale 6 blk 810@206.00
Frankfort 36 herford 942@205.25
Havensville 15 limo-x 923@205.00

HEIFER CALVES — 200-550 LBS.
Circleville 3 blk 220@785.00
Marion 3 blk 435@264.00

FEEDER HEIFERS — 550-800 LBS
Auburn 10 blk 562@238.00
Marion 3 blk 556@235.00
Auburn 6 xbred 581@226.00
Council Grove 7 blk 652@225.00
Alma 10 blk 581@224.00
Wheaton 7 blk 647@218.75
Auburn 6 xbred 657@216.00
Council Grove 19 blk 731@214.25
Auburn 8 blk 677@213.25
Wheaton 7 blk 702@210.50
Onaga 10 blk 776@207.00
Manhattan 4 blk 773@204.25
Leavenworth 8 blk 778@202.50
Allen 4 blk 710@200.00

COWS & HEIFERETTES — 1,050-1,650 LBS
Riley 1 blk 1090@156.00
Westmoreland 1 xbred 1065@150.00
Riley 1 blk 1205@137.50
Riley 1 bwf 1105@126.00

Riley 1 blk 1225@121.00
Manhattan 1 blk 1260@115.00
Riley 1 blk 1245@114.50
Riley 1 blk 1330@112.00
Wheaton 1 bwf 1070@111.50
Mayetta 1 char 1455@111.00
Dwight 1 xbred 1315@110.50
Manhattan 1 blk 1300@110.50
Riley 1 blk 1420@109.00
Wheaton 1 blk 1125@108.50
Manhattan 1 blk 1635@108.00
Leavenworth 1 xbred 1400@107.00
Mayetta 1 blk 1300@106.00
Manhattan 1 bwf 1440@106.00
Council Grove 1 blk 1050@105.00
Leavenworth 1 blk 1115@103.00
Onaga 1 blk 1390@101.50

BULLS — 1,650-2,450 LBS.
Onaga 1 char 1655@135.00
Burns 1 blk 2010@134.00
Westmoreland 1 blk 1910@133.00
Burns 1 blk 1925@131.00
Alma 1 blk 2430@123.00
Carbondale 1 herf 2170@121.00

EARLY CONSIGNMENTS FRIDAY, AUGUST 21ST
40 blk Angus & SimAngus strs & hfrs, 700-800 lbs.

EARLY CONSIGNMENTS FRIDAY, AUGUST 28TH
101 blk Angus hfrs, 800-850 lbs.

EARLY CONSIGNMENTS FRIDAY, AUGUST 14TH

To Start Selling at 11:30 AM
50 homeraised Reputation Hereford fall calving cows, 3-8 yrs old. 16 have late July calves by side, balance to calve Aug.-Sept. Calves sired by Domino Hereford bulls.
4 homeraised Angus cows, 3-5 yrs old, bred to Angus bulls for late Aug.-Sept. calves

100 blk & bwf strs & hfrs, 600-800 lbs.
80 Fancy Reputation blk & bwf strs & Replacement Quality hfrs, 600-750 lbs.
47 blk Feeder hfrs, 850-900 lbs.
41 blk strs, few hfrs, longtime weaned, 650-800 lbs.
35 blk strs, 2 rds shots, 750-800 lbs.
28 blk OCV 1st calf hfrs, bred to low birth weight Angus bulls to calve late Nov-Jan 1st
26 blk strs & hfrs, spring shots, 700-750 lbs.
23 blk & blk baldy strs, spring shots, 650-750 lbs.
20 blk & blk baldy strs & hfrs, spring shots, 650-900 lbs.
20 red Angus strs, few hfrs, 2 rds shots, weaned 6 weeks, 650-750 lbs.
20 blk strs & hfrs, 600-700 lbs.
15 blk hfrs, 2 rds shots, 750-800 lbs.
13 blk & bwf strs, longtime weaned, 650-700 lbs.
8 blk hfrs, 1000 lbs.
8 blk fall calving OCV first calf hfrs, bred blk, to calve Oct.

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FIELD REPRESENTATIVES

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Kansas Hay Market Report

Hay trade slow. Demand light to moderate for dairy alfalfa, light for grinding alfalfa and alfalfa pellets and grass hay. A few spotty showers in western Kansas, but a mostly dry forecast with near normal temperatures expected. Grasshoppers and aphids are causing problems in some areas, enough to warrant spraying. Prairie hay cutting and baling are active when the weather allows. Pasture condition are good nearly statewide. If you have hay for sale or pasture to rent or need hay or grazing, use the services of the Hay and Pasture Exchange: www.kfb.org/commodities/haypasture/index.html

Southwest Kansas

Dairy alfalfa steady to soft, grinding alfalfa steady to 10.00 lower. Movement slow. Alfalfa, Horse, 250.00 small squares. Dairy, .90-1.00/point RFV, Supreme 180.00-200.00; Premium 160.00-185.00, Good 120.00-150.00. Dry Cow alfalfa, 100.00-120.00. Fair-Good grinding alfalfa, at the edge of the field 80.00-90.00. Ground and delivered locally to feedlots and dairies 115.00-135.00, mostly 120.00-130.00. The week of 7/27-8/1, 7,028T of grinding alfalfa and 1,100T of dairy alfalfa were delivered. Straw, Good, large bales 60.00-65.00 delivered. Corn stalks 50.00-55.00, ground and delivered 80.00-100.00. CRP, Good, large rounds 55.00-65.00. Cane or BMR Sudan, Good large bales 60.00-70.00.

South Central Kansas

Dairy and grinding alfalfa and alfalfa pellets steady to spots 5.00 lower. Movement slow. Alfalfa: Dairy, .90-1.00/point RFV, Sup-reme, 170.00-200.00; Premium 160.00-185.00. Fair-Good grinding alfalfa at the edge of the field 80.00-90.00; Utility-Fair 70.00-80.00. Ground and delivered locally to feedlots, 115.00-135.00. The week of 7/27-8/1, 4,423T of grinding alfalfa and 1,030T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 145.00-160.00, 17 pct protein 165.00-180.00; Dehydrated 17 pct 245.00. Straw, Good, large bales 55.00-65.00. Cane or BMR Sudan, Good large bales 60.00-65.00, Fair quality 50.00-55.00. Oat hay, Good large round 70.00-80.00.

Southeast Kansas

Alfalfa, brome and prairie hay steady. Movement slow. Alfalfa: Horse or Goat, mid squares 250.00; Dairy and Stock Cow 1.00 to 1.07, an instance 1.10/point RFV, Premium-Supreme 190.00-200.00. Bluestem: Good, small squares, 110.00-130.00, mid and large squares 70.00-90.00, mostly 70.00-80.00, large rounds 55.00-65.00, Fair 50.00-55.00; Brome: Good, Small squares 120.00-145.00, mid and large squares 100.00-125.00, large rounds 60.00-70.00, fair 50.00-60.00. Grass Mulch CWF, large round 45.00-60.00.

Northwest Kansas

Dairy and Grinding alfalfa steady. Movement slow. Alfalfa: Dairy Premium-Supreme 190.00; Stock cow, Fair-Good, .90-1.00/point RFV. Fair, Grinding alfalfa at the edge of the field 90.00-100.00. Ground and delivered to feedlots and dairies 115.00-145.00.

North Central-Northeast Kansas

Dairy alfalfa and grinding alfalfa, prairie hay and brome steady. Movement slow. Alfalfa: Horse, 300.00, some 8.00-9.00/small square bale, delivered; Dairy, Supreme 185.00-210.00, New Crop 1.00-1.10/point RFV; Premium, 165.00-185.00; Stock Cow, Fair-Good, 1.00/point RFV, Utility-Fair grinding alfalfa at the edge of the field, 70.00-90.00; Ground and delivered 130.00-145.00. Grass hay: Bluestem Good, small squares, 5.00-6.00/bale, 100.00-130.00, Mid squares 70.00-90.00, large rounds 50.00-65.00, mostly 50.00-60.00. Brome: Good, small squares, 6.00/bale, 120.00-145.00/T, Mid squares, 100.00-120.00, Good, large round, 25.00-50.00/bale, 60.00-70.00/T, most 65.00, Fair 50.00-60.00; CWF Grass mulch, large round 60.00-65.00. Straw, Good, small squares 4.00/bale or 4.50-5.00 delivered/bale; large square bales 60.00-75.00/T, large round 50.00-60.00. Sudan, Good large round 70.00-75.00, Fair 60.00-65.00.

***Prices are dollars per ton and FOB unless otherwise noted. Dairy alfalfa prices are for mid and large squares unless otherwise noted. Horse hay is in small squares unless otherwise noted. Prices are from the most recent sales. *CWF Certified Weed Free *RFV calculated using the Wis/Minn formula.

**TDN calculated using the Western formula. Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter (TDN showing both 100% & 90%). Guidelines are to be used with visual appearance and intent of sale (usage). Source: Kansas Dept of Ag-USDA Market News Service, Dodge City, KS Steve Hessman, Rich Hruska, OIC (620) 227-8881 www.ams.usda.gov/mnreports/DC_GR310.txt The Kansas Hay Market Report is provided by the Kansas Department of Agriculture with technical oversight from the USDA Agricultural Marketing Service.



Macey Langvardt won Grand Champion breeding sheep at the Geary County Free Fair with this Hampshire spring breeding ewe lamb. Macey was also chosen as Reserve Champion sheep showman.

Pork continues to be the fastest-growing protein in foodservice

With a growth rate outpacing all other meats, pork continues to be the fastest-growing protein in foodservice since 2011. According to Technomic, Inc.'s 2015 Volumetric Assessment of Pork in Foodservice, pork's popularity in the food industry continues to grow.

The study showed that total pork sold through food-

service outlets reached a record 9.8 billion pounds, reflecting a volume increase of 533 million pounds over 2013 when the survey was last conducted. Gaining momentum, this number is slightly higher than the 462 million-pound growth experienced from 2011 to 2013. The 2.6 percent pork category increase in 2015 outpaced

the protein growth average of 0.7 percent and the total foodservice industry growth of 1.2 percent.

"We are pleased to see the continued growth of pork in foodservice," said Derrick Sleezer, president of the National Pork Board and a producer from Cherokee, Iowa. "The volumetric study shows that even during a time period when we saw record-high pork prices and low inventories, pork continued to be the strongest performer in the foodservice industry, underscoring pork's growing popularity."

Since 2013, processed pork has driven growth of the total pork category, increasing by 2.8 percent on an annual basis and making up 78 percent of the total volume. Sales of fresh pork grew 2.0 percent. The four largest categories driving the pork category growth were bacon, processed ham, breakfast sausage and ribs. Sales of these products represented 65 percent of the carcass-weight equivalent. Other study highlights include:

- In categories where both uncooked and pre-cooked pork offerings exist, uncooked pork grew at a slightly faster rate than pre-cooked pork over the past two years - 3.4 percent and 3.2 percent, respectively.

- In categories where bone-in and boneless pork were available, sales of both versions increased since 2013, with boneless pork

growing at a slightly faster rate.

"Pork is a versatile protein that is being leveraged around the country by foodservice operators who want to deliver flavor, inspiration and innovation across their menus," Sleezer said. "Pork producers are proud to provide safe, wholesome products that can fit into any menu."

The study also showed that of the 28 pork product categories reviewed, 19 demonstrated positive sales growth. Carnita meat and pulled pork were the fastest-growing categories, with a compound annual growth rate of 13.2 percent and 13.1 percent, respectively. Both of these categories almost doubled since 2013. Notable growth also was seen in Canadian bacon, bratwurst, shoulder/butt, prosciutto, pork hocks/shanks and chops. Bacon and processed ham use grew from 2013 to 2015 by 195 million pounds and 93 million pounds, respectively, and were the highest volume among all categories.

"When it comes to the three major foodservice day-parts, breakfast leads the way with pork gaining popularity at lunch and dinner," Sleezer said. "It's clear that pork is on the menu across all foodservice segments. Full-service and limited-service restaurants represent about two-thirds of all pork volume sold."



Kacey Butler's Dorset spring breeding ewe lamb was chosen at the Geary County Free Fair for Reserve Champion breeding sheep. Grand Champion sheep showmanship honors also went to Kacey.

LAND AUCTION

August 25 @ 7PM

Where: Salina Ambassador Conference Center,
1616 W. Crawford St.

Legal Description: The W/2 of Sect 19, Twp 14, Rng 3W, lying South of the RR

256 Acres +/- of mostly tillable located just 2.5 miles West of Salina, on the blacktop. Take Crawford west onto Old 40 HWY then 1/2 mi further west to Lightville Rd -OR- from Cloud and Burma Rd go 1 mi West to Lightville Rd.

FSA information ~ 256.6 Farmland acres

254 Ac +/- Tillable 8.13 Ac +/- Water ways
Wheat base 227.5 Sorghum base 9.2

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This crossbred market lamb owned by Rebekah Thomas and weighing in at 151 pounds was chosen at the Geary County Free Fair as Grand Champion.

ESTATE AUCTION

SUNDAY, AUGUST 23 — 9:30 AM

2110 Harper Dg. Fairgrounds (Air Conditioned)
LAWRENCE, KANSAS

JEEP, MOTORCYCLE

1981 Jeep CJ-7 2 door 4x4, roll cage; 2002 Honda VTX1800C motorcycle black, lots chrome, windshield, leather saddle bags.

COLLECTIBLES & PRIMITIVES

"End of The Trail" Fraser 21" statue (Bronze?); 1933 World's Fair Chicago Mickey Mouse picture; McCormick Deering cream-separator; Union carbine lamp; post-office bank; salesman sample tools; metal signs: Farmall Tractor/Self Service Island/ School Crossing, etc.; WWI German military helmet; 4" artillery shell casing; small hand-made cast-iron cannon w/wagon; several sets of spurs & branding irons; buzz saw blades; toy cap pistols & leather holsters; Daisy BB guns; 200+ KS license plates (1920-80's); Fairbanks platform scales; cast iron Uncle Sam bank; Remington typewriter; Marx wind-up tractor; Wyandotte cruise-ship; Structo flatbed truck; Chicago Dial coin operated phone; polaroid & box cameras; knives; movie posters; 1960-80's lunch boxes w/thermos: Pacman, Sesame Street, ET, Holly Hobby, Dr. Dolittle, etc.; political buttons; 53 Little Big books: Lassie, Popeye, Tarzan, Wyatt Earp, Mickey Mouse, etc.; steam & gas irons: Coleman,

etc.; sad irons; milk bottles, carry case; steins; RR lantern; view-master; book-ends; Ringling Brothers 50th ann. Scripts; Coke items; Revel 1/96 scale USS United States model ship NIB; B-24D Liberator Bomber kit 2003; Monarch Model P store price tagger; belt buckles; Norman Rockwell plates; framed WW I & II newspaper clippings; aluminum pitcher & cups; Hopalong Cassidy plate & cup; Mickey Mouse watches; beer signs; tobacco tins; costume jewelry; 40+ comics: Roy Rogers, Gene Autry, Lone Ranger, Superman, Wonder Women, etc.; 54 hardback Story Times: Heidi, Tom Sawyer, Rin Tin Tin, Maverick, Tarzan, Cisco Kid, etc.; 5 Sports Cards Albums; boxes of sports cards.

TOOLS & MISC.

Grizzly Model G1026 shaper 3 hp. w/extra tools, cutters; Chicago 12 sp. drill press; Industrial Model 520 planer; Delta 10" chop-saw; 2 Craftsman table-saws; DeWalt radial arm-saw; Craftsman bench-saw; bench grinder; several AC motors (1.5, 2/2.5 hp.) power, hand tools; front-tine rototillers; push-mowers; Western saddles & tack; light stands; movie & slide projector; set cast iron cookware; household décor.

Numerous items to mention!!!

Auction Note: Very Large Auction! Many unlisted items!

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Cattle movement estimation study sheds light on disease risk

A new technique developed by a Kansas State University researcher helps estimate the movement of beef cattle to determine the risk of disease.

Caterina Scoglio, professor of electrical and computer engineering, co-authored a study that used aggregated data from the U.S. Department of Agriculture to estimate detailed movement of cattle. Privacy concerns in the U.S. prevent animal health officials from obtaining and sharing full cattle movement data.

"Movement in other countries is well documented, but not in the U.S.," Scoglio said. "A national an-

imal ID system is not in place, so there is no detailed data on where cattle come and where they go."

Highly accurate risk assessment or predictions of disease spread depend on knowing how cattle move through the central U.S.

"We have disaster response plans, but to know where to act effectively to stop an epidemic requires movement data," Scoglio said.

"This study provides a cost-effective approach to estimate cattle movements from available aggregate data," said Phillip Schumm, research geneticist at the Department of Agriculture-

Agricultural Research Service and co-author of the study. Schumm earned a bachelor's degree and a doctorate in electrical engineering from Kansas State University, with Scoglio serving as his major professor.

Other studies have predicted movement between counties, but this study predicts movement within types of premises in counties, such as from one small cow/calf producer to feedlots in two different counties at a given distance or from one producer to another. Scoglio and collaborators divided premises into nine types then imposed

constraints to capture industry and farm procedures; for instance, cattle headed to a slaughter facility move in only one direction. The authors estimated the movement parameters by having minimal assumptions beyond the information contained within the set of constraints.

"We create a network of cattle movement in this way," Scoglio said. "Based on this, we used an epidemic model to assess possible scenarios of a foot-and-mouth disease outbreak."

The study revealed significant risk of a disease infiltrating the American cattle system, but further inves-

tigation of accurate epidemic models and animal movement parameters is needed.

Other researchers are also striving to understand threats to global food systems. Scoglio is working on another project with Kansas State University collaborators in diagnostic medicine and pathobiology, agricultural economics and psychological sciences to add truck movements to the model and to gather more data. Scoglio's group shares downloadable data files and methods online in an effort

to invite others to build on its work.

"The better the data, the more we know and can better protect the beef cattle industry," Scoglio said.

"An estimation of cattle movement parameters in the Central States of the U.S." was published in the August 2015 issue of *Computers and Electronics in Agriculture* and was based on work supported by the U.S. Department of Homeland Security and the Kansas Biosciences Author-

Sexten to lead CAB supply development

Certified Angus Beef LLC (CAB) has hired Justin Sexten to lead its Supply Development team as director of that division. The Ohio native brings to his new post a broad expertise in beef production, research and education.

"As the cattle cycle enters its expansion phase, Justin's 11 years of academic research and teaching in Illinois and Missouri make him a fitting match for this role at CAB," said Mark McCully, vice president of production for the branded beef company.

Sexten's career focus on replacement heifers and weaned calf management provides an ideal background for leading CAB's producer outreach team, he added.

"We've observed an investment in quality in the cowherd, after the extensive culling brought on by the drought of 2012," Sexten said.

Data suggests most of the herd replacements were Angus influenced, paving the way for higher beef quality than ever before, especially in light of other survey data that notes 70% of producers turned out Angus bulls in the last year.

With a "cowherd built for quality," Sexten says a rancher's priority now lies in what to do after the genetics are in place.

"Emphasis on how we manage those genetics, when it comes to nutrition and health is important," he said. "We've made an initial investment. Let's make sure we see that through to the end for the consumer's sake."

Prior to accepting the position at CAB, Sexten served

as University of Missouri Extension beef specialist. There he coordinated the nutrition, reproduction, genetic and health management of 200 commercial Angus-based cows, as well as a 600-head feedyard.

"On a broader scale, this transition allows me to continue to interact with farmers and ranchers on how we can manage and feed cattle, to early calf feeding and management that will ultimately increase the CAB acceptance rate of those cattle after the feeding period," he said.

Raised on a diversified livestock and row-crop farm near Washington Court House, Ohio, Sexten earned his animal science degree from the University of Kentucky in 1998. He followed that with a master's and doctorate in ruminant nutrition from the University of Illinois in 2001 and 2004, re-

spectively. Along with his wife Julie, the Sextens are moving to the Wooster, Ohio area with their three daughters, Macie, Morgan and Milie.

As a CAB director, Sexten will work closely with

the supply development and industry information teams. Externally, his focus will be cattle producers, academia, research groups and allied industry partners to communicate the value of quality beef production.



This Hereford shown by Cody Brown was chosen as Grand Champion breeding beef at the Geary County Free Fair. Cody was also tapped as Reserve Champion beef showman.



Reserve Champion market beef at the Geary County Free Fair was awarded to Cody Brown for his 1270-pound Hereford steer.

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Kati Fehlman's Hereford senior heifer calf was chosen at the Geary County Free Fair as Reserve Champion breeding beef. Grand Champion beef showmanship honors also went to Kati.



In the round robin livestock showmanship contest at the Geary County Free Fair, Kyler Langvardt received Reserve Champion and Kati Fehlman received Grand Champion.

ABSOLUTE CLOSEOUT FARM-LIVESTOCK-EQUIPMENT AUCTION

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An excavator digs through the 75-foot pile of corn cobs looking for any hot spots.

Photo by Amy Hadachek

Cause of fire in corn cob pile unknown

By Amy G. Hadachek

Six different fire departments from Kansas and Nebraska responded and helped extinguish a fire at an unusual site – high atop and then down within a 75-foot tall pile of corn cobs – 3½ miles west of Washington Sunday morning, August 2nd. The corn cob pile is located in a prominent viewing spot right along Highway 36 in north central Kansas. Numerous semi trucks and cars travel the highway daily, which is deep into farm country.

On Monday, 24 hours after the fire, an excavator was used atop the massive pile to dig for leftover ‘hot

spots’ from the fire.

Washington County District 9 fire chief Jerry Alldredge reported that the fire started at 10:30 a.m. Sunday about 50 feet up and near the top of the pile.

“The cause of the fire is unknown at this time, but it could’ve possibly been from spontaneous combustion, or possibly from a lightning strike days earlier. It had been smoldering 15 feet from the top...down into the cob pile,” said Alldredge. He also referred media inquiries to Chris Pannbacker, the public information officer for Washington County, who said that six different fire departments

responded to the fire.

“The fire departments responding were the Washington Rural Fire District 9, Morrowville, Fire District 8, Hanover, Kansas Fire District 10, Clay Center, Kansas Fire Department, Greenleaf Fire Department, and the Fire Departments from the city of Fairbury, Nebraska and Rural Fairbury area fire department,” Pannbacker said.

Officials noted there are 17,000 tons of material in the corn cob pile, which is part of the Fairview Mills Company. The corn cobs are used to make products for the oil industry and pet products.

Beef Cattle Institute collaborates with Merck Animal Health to produce educational modules

The Beef Cattle Institute (BCI) at Kansas State University, in conjunction with Merck Animal Health, has released the first module in the CreatingConnections™ Educational Series, which features industry experts who share insights and proven techniques to help ensure low-stress cattle handling. This module, now available at www.creatingconnections.info, focuses on acclimation — specifically how to best help cattle adjust and thrive in a new environment, which is critical to the health and well-being of an animal.

A team of experts that included Dan Thomson, a veterinarian and director of the BCI, developed the module. Thomson facilitated a roundtable discussion about acclimation during the video. Other team members included veterinarians Paulo Loureiro with Merck Animal Health and Tom Noffsinger with Production Animal Consultation (PAC).

“CreatingConnections is an opportunity to truly collaborate with industry and

practitioners to provide veterinarians and producers tools for improving cattle management,” Thomson said. “The BCI has developed a platform that is used daily by beef producers worldwide, and it is awesome to amplify Merck Animal Health and PAC’s visions to bring this information and training on low stress cattle handling to more cattlemen’s farms.”

The modules are being developed to help cattle producers, employees and veterinarians give the best possible care for cattle by providing them with education, information and training. Each module includes a learning assessment tool and certificate that can be customized and printed when successfully completed. Participants need to achieve 80 percent of better on the learning assessment to receive the certificate.

The modules are complementary to Merck Animal Health customers via the CreatingConnections.info website. If not a customer, the modules are available

for purchase at animalcare-training.org for \$50 to residents in the U.S. and Canada.

“Producers know relocating cattle can cause stress, which can directly impact suppression of the immune system, susceptibility to health challenges and decreased performance. Minimizing that stress is key,” Loureiro said. “We’ve gathered real-world examples to demonstrate handling techniques that are pivotal to working successfully with cattle and helping them to acclimate more quickly to new surroundings. This video details how to gauge each animal’s individual characteristics, as well as identify the influential animals and work with them to establish trust and confidence throughout the herd.”

Learn more about the new CreatingConnections Educational Series and other available resource materials at www.creatingconnections.info.

Now is the time for hunter education

Fall hunting seasons are just around the corner. That also means school is about to start, holidays are on the way, and finding free time

isn’t going to be easy. If signing up for a Kansas Hunter Education course is on your to-do list, now is the time to make it happen.

The Kansas Department of Wildlife, Parks and Tourism is currently offering Hunter Education classes throughout the state, providing a variety of class times, formats, and locations to meet nearly any schedule. To view a current list of upcoming classes, visit ksoutdoors.com and click “Hunting” and then “Hunter Education.”

Kansas law states that anyone born on or after July 1, 1957 must be certified by an approved course in hunter education before they can hunt in Kansas, except that anyone 15 or younger may hunt without hunter education certification provided they are under the direct supervision of an adult 18 or older. Students must be 11 or older to be certified.

Subjects covered include hunter responsibility, ethics, fair chase, history of firearms, firearms basics, ammunition, basic gun safety, field safety, bowhunting, conservation and wildlife management, wildlife of Kansas, outdoor emergencies, Kansas hunting regulations and boating safety for hunters.

Courses are offered in one of two formats: traditional and Internet-assisted. Traditional hunter education courses are ten hours long, typically in a classroom setting, and are usually held over the course of two to three days. Internet-assisted courses are designed to meet the needs of individuals with busy schedules by providing online classwork that can be done at home. After the Internet work is completed, students must attend a field day, which often includes live-fire, trail-walk and safe gun handling exercises before final testing and certification. Students must register for an internet-assisted course before completing the online portion.

Classes fill up quickly and hunting season will be here before you know it. Invest time in a class now, so you can be ready to enjoy opening day.

Riley County 4-H'ers want to say THANKS for purchasing our Food and Livestock at the 2015 Riley County Fair Auction.

FOODS

Judy Kimball
Jim & Lois Morrison
Bob Sawyer

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River Creek Farms
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Stan, Sandy & Seth Johnson
Sump Ag Inc
Sydney Carlin
The Streeter Family Businesses
Tom Kimball Family Trust
Union State Bank - Olsburg/Randolph
Wendland Farms - Merlin & April Wendland
Yorgensen-Meloan-Londeen Funeral Home

SHEEP

Grand Champion purchased by:

Hank and Vivian Ruckert

Bayer Construction Company Inc
Chads Carpentry Services
Cliff & Karen Spaeth
Gary Edwards
Hank & Vivian Ruckert
HyVee, Manhattan
Key Feeds
Leonardville State Bank Manhattan
Melvin & Rae Jean Hunt
River Creek Farms
Titan Trailer Manufacturing
UMB Bank
Wendland Ag Repair

RABBIT

Grand Champion purchased by:

Candlewood Veterinary Clinic - Dr. John & Peggy Lyons

BEEF

Grand Champion purchased by:

Sink, Gordon and Associates LLP Public Accountants

Dick Edwards Ford-Lincoln-Mazda-Hyundai

Reserve Grand Champion purchased by:

Ag Press/Grass & Grain

Manhattan Commission Co Inc

Addair-Thurston
Ag Press/Grass & Grain
Anderes/Pfeiffley Funeral Home
Ben Wilson
Central National Bank of Manhattan
Chelsea Porter
Clay Center Livestock Sales
Commerce Bank
Cool Enterprises

Copeland Insurance/Buckeye Insurance

Dalton & Megan Henry
Dick Edwards Ford-Lincoln-Mercury
Dr. David & Barbara Leith
Fink Beef Genetics
Henry Farm - Terry & Tammie Henry
Home Oil Service Inc
HyVee, Manhattan
Irvine Ranch
Irvine Real Estate
JC Livestock Sales
Key Feeds
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Leonardville State Bank
Lindsay Bulk & Morgan Shorter
Little Apple Brewery
Manhattan Commission Co Inc
Marysville Livestock Auction Inc
Midwest Concrete
Orthopedic & Sports Medicine Center
Pfaff Services LLC
Prairie Valley Veterinary Clinic
Riley County Farm Bureau
Riley State Bank
Scissor Works and More
Sink, Gordon and Associates
Suther Feeds
Taylor Seed/Wienck Seed
Tom Kimball Family Trust
Tom & Barbara Van Slyke
Tom & Peggy Link
TreeMan - MHK
Vern & Kim Bulk
Wanklyn Oil

MEAT GOAT

Reserve Grand Champion purchased by:

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Bayer Construction Company Inc
Citizens State Bank
Gambino's of Riley
The Riley Countian
The Trust Company of Manhattan
Tom Kimball Family Trust

Sale Appreciation Contributors:

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Deep Creek Appaloosa's - Charles & Patricia King
Cash Lumber and Hardware - Bob Stevens
David, Susan & Reid Shipman
Nelson's Landing - Kim Nelson and Family
Mitch's Kwik Shop - Mitch & Sue Knight
Tom & Christi Oakley
Dr. Mark & Pamela Hatesohl
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McGraw's LLC - Nick Powers

Other Fair Contributors:

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Mitch Langvardt
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Community 1st National Bank
Kansas State Bank
Triple T Harvesting
Vista Drive In
Blue Valley Pork Producers
Clay Center Locker
GTB Meats
J & S Signs
Blueville Nursery
Eastside & Westside Market



Pictured with his Grand Champion market beef is Weston Langvardt. The crossbred steer weighed in at 1190 pounds at the Geary County Free Fair.



This 250-pound crossbred hog owned by Weston Langvardt was chosen as Grand Champion market hog at the Geary County Free Fair.



Reserve Champion market hog honors went to Elijah Schmidt at the Geary County Free Fair. Elijah's Duroc hog weighed 246 pounds.

First-half results reflect tough business climate for U.S. meat exports

June export data, released by USDA and compiled by the U.S. Meat Export Federation (USMEF), reflected a challenging first half of 2015 for U.S. pork, beef and lamb exports.

June pork exports totaled 174,554 metric tons (mt), down 4 percent from a year ago. With pork prices down significantly from last year's high levels, June export value fell 22 percent year-over-year to \$454 million. For the first half of 2015, pork exports were down 5 percent in volume (1.09 million mt) and 16 percent in value (\$2.88 billion).

Beef export volume in June was down 8 percent from a year ago to 96,716 mt, while export value fell 9 percent to \$578.9 million. This was the second consecutive month that export value fell below last year's level, resulting in first-half value being steady with 2014's pace at \$3.26 billion. First-half volume was down 10 percent to 527,109 mt.

"We were aware that exports would be facing obstacles in 2015, and that keeping pace with last year's record performance would be difficult," said Philip Seng, USMEF president and CEO. "The first-quarter slump was partially due to the West Coast port labor impasse, as well as intense competition from countries that continue to recognize opportunities in several markets. We were expecting to see a stronger rebound in the second quarter - and that did not materialize."

Seng added that, while marketing budgets remain flat, competitors are beefing up efforts to capture larger shares of the red meat market. Competition continues to be a major factor, along with a strong U.S. dollar that is providing a

price advantage for several competitors with slumping currencies. The European Union, for one, has been aggressive in targeting specific markets, and large supplies of European pork are making it into the coveted Asian market. This development is due in large part to the closure of Russia, traditionally the EU's largest pork export market. Russia's suspension of pork imports from the EU - originally due to African swine fever but reinforced by a trade embargo related to the conflict in Ukraine - has now lasted more than 18 months.

Australian beef production was expected to ramp down in 2015 as the industry entered herd-rebuilding mode after several years of poor grazing conditions. But with disappointing rainfall in Australia and attractive slaughter cattle prices, beef production and exports remained record-large through the first half of the year - though some slowdown was seen in July.

Mexico, Korea were first-half bright spots for U.S. pork

June pork exports to Mexico were the largest since March, up 13 percent from a year ago to 62,112 mt. While first-half export value (\$619.3 million, down 18 percent) reflected lower prices for hams and other cuts typically shipped to Mexico, export volume remained very strong (353,296 mt, up 6 percent).

Pork exports to South Korea moderated in June to 12,512 mt, up 55 percent from a year ago but the smallest volume since November 2014. June export value was \$33.1 million, up 17 percent. Korea's first-half performance was stellar, with volume increasing

40 percent to 108,198 mt and value up 35 percent to \$318.2 million.

Other first-half results for U.S. pork exports included:

Japan remained the leading value destination for U.S. pork, despite a 20 percent decline from last year's pace to \$835.4 million. Export volume to Japan fell 13 percent to 221,776, as Japan's total imports also slowed.

Exports to the China/Hong Kong region fell 17 percent in volume (157,860 mt) and 22 percent in value (\$330.9 million) from a year ago as the U.S. industry continues to lose market share due to lack of China-eligible supplies and the small number of plants approved to serve China. Demand for imported pork in China is on the rise due to an uptick in domestic prices and tight domestic supplies, but these opportunities are mostly being seized by European suppliers.

Exports to Canada held up relatively well, considering the weakness of the Canadian dollar versus the U.S. dollar. Export volume was down 6 percent to 95,443 mt while value fell 10 percent to \$382.7 million.

Small markets performing well in the first half included the Dominican Republic (up 31 percent in volume to 13,006 mt and 11 percent in value to \$29.6 million), Honduras (up 22 percent in volume to 10,119 mt and 3 percent in value to \$21.7 million), Chile (up 10 percent in volume to 7,146 mt and 25 percent in value to \$20.4 million), and Guatemala (7,072 mt, up 20 percent with value at \$19.7 million, up 11 percent). June results were particularly impressive for Chile, as volume nearly doubled

from a year ago to 1,237 mt and value was up 57 percent to \$3 million.

"Our limited access to China has become a major obstacle for U.S. pork, especially with competition intensifying in so many other global markets," Seng said. "It's a situation that absolutely must be addressed in order for U.S. exports to regain momentum."

January-June pork exports accounted for 25 percent of total production and 21 percent for muscle cuts only (down from 28 percent and 24 percent, respectively, in the first half of last year). Export value averaged \$50.85 per head slaughtered, down 22 percent year-over-year and 5 percent lower than in 2013.

Beef exports strong to Korea and Taiwan, but most markets lower year-over-year

Beef exports to Korea overcame a slow start in 2015, finishing the first half up 8 percent in volume (61,190 mt) and 12 percent in value (\$423.7 million). June exports were the largest in more than two years at 12,622 mt (up 30 percent) valued at \$81.8 million (up 17 percent).

"The Korean market could see a brief downturn in July, as economic activity slowed severely in June due to the outbreak of Middle East respiratory syndrome (MERS)," Seng cautioned. "This had a very negative effect on hotel and restaurant traffic and caused a backup in beef inventories. But consumer activity has since recovered, so the impact of MERS on exports should be short-lived."

First-half beef exports to Taiwan were up 2 percent in volume (16,506 mt) and 13 percent in value (\$150.5 million). June was an especially strong month, hitting a record volume of 4,185 mt (up 32 percent from a year ago) valued at \$33 million (up 13 percent).

Other first-half results for U.S. beef exports included:

Exports to Japan were down 2 percent from a year ago in both volume (109,010 mt) and value (\$676.7 million) - a respectable performance considering the slow start to the year (due in part to port congestion, which slowed demand for chilled beef) and the tariff advantage now enjoyed by Australian beef following implementation of the Japan-Australia Economic Partnership Agreement. U.S. beef remains subject to a 38.5 percent tariff in Japan, while import tariffs on Australian chilled and frozen beef are now 31.5 percent and 28.5 percent, respectively.

Exports to Mexico fell 7 percent in volume (108,112 mt) and 2 percent in value (\$534.1 million) as the weakness of the peso versus the U.S. dollar has had a growing impact on beef demand in recent months.

The Hong Kong market began to slow near the end of 2014, and that trend continued in the first half of the year, with exports falling 18 percent in volume (59,045 mt) and 12 percent in value (\$434.4 million).


Buoyed by strong demand in the Dominican Republic, exports to the Caribbean were up 3 per-

cent in volume to 11,893 mt and 16 percent in value to \$83.2 million.

January-June beef exports accounted for 13 percent of total production and 10 percent for muscle cuts only (down from 14 percent and 11 percent, respectively, in the first half of last year). Export value averaged \$291.70 per head of fed slaughter, up 7 percent year-over-year.

Lamb exports show signs of improvement, but still sharply lower year-over-year

U.S. lamb exports endured a difficult first half but volume improved in June, increasing 9 percent from a year ago to 1,076 mt. Despite this increase, however, June export value was still down 30 percent to \$1.8 million. First-half exports were down 13 percent in volume (4,755 mt) and 27 percent in value (\$10.1 million) from a year ago. While lamb exports achieved promising growth in the Middle East and other emerging markets, these results were offset by sharp declines in Canada and Mexico.



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Big shoes to fill for new bullfighter at Inter-State Rodeo



Bullfighter Kyle Lippincott, right, is one of two bullfighters at this year's Inter-State Rodeo in Coffeyville. The 21-year-old cowboy from Wilson, Okla., takes the place of Cory Wall, who retired last year. Photo by Vince Craigmile

A new face will greet fans and bull riders at this year's Inter-State Fair and Rodeo.

After over a dozen years of Cory Wall as bullfighter at the Coffeyville Rodeo, a new man steps into his shoes.

Kyle Lippincott of Wilson, Okla. has been hired to work alongside Andy Burrelle at the rodeo.

The 21-year-old grew up riding sheep when he was three years old, then progressed to calves, steers, and bulls. At the age of fifteen, he decided he wanted to be a bullfighter. His mother told him, before she'd "haul me around to fight bulls, she wanted to make sure it was something I wanted to do," Kyle said. "She wanted to make sure I could get run over and get up and keep going."

He attended a bullfighting school hosted by former bullfighters Anthony Moore and Chad Dowdy, and from

there, the fire to fight bulls grew.

His career growth started small but increased, and now Lippincott works rodeos across the nation.

He loves his job. "It's a dream job," he said. "We get to make our own schedule, and the fact that we're doing something for other people, is cool. It's cool when bull riders walk up to you and say, 'thank you.' They recognize that you do a good job."

Kyle is no stranger to fellow bullfighter Andy Burrelle. They've worked rodeos together in Mineral Wells and Bandera, Texas, but they're also neighbors: Kyle lives in Burrelle's rental house. But it doesn't matter to a bullfighter if they know their partner before they step into the arena or not. "You might not work well together for the first couple of bulls, but you figure each other out and it becomes reaction to each other." And as for the bulls

he'll protect bull riders from during the rodeo, there's no assuming how they will behave. "There are always bulls that there's a rap sheet on," Kyle explained, "like that one's mean, or this one doesn't try anything. But you treat every bull the same. They're animals, and you don't know what they're thinking. A bull that has never hooked anybody before might hook somebody."

When he's not on the rodeo road, Kyle is at home raising bucking bulls. He has ten cows, and is hauling a two-year-old bull to futurities. The bull, named Dancin' Machine, is showing some promise. "If I'm not rodeoing, I'm thinking about this or that cow, and what I can add to my herd. They're my pride and joy."

He knows he has big shoes to fill, following in the footsteps of Cory Wall, who had a strong fan base in Coffeyville. "Cory's an awesome guy, besides as a bullfighter, just an awesome guy to be around. He's very positive and encouraging. To be able to fill his shoes at this rodeo means a lot. I dang sure can't be slacking."

Kyle will be in action at the Inter-State Rodeo August 12-15, along with Burrelle and rodeo funnyman Mark Swingler. The rodeo begins at 7:30 p.m. each night. Tickets vary in price from \$10 to \$25 and are available online at FairandRodeo.com, at the Coffeyville Chamber of Commerce, and at the gate. For more information, visit FairandRodeo.com or call the Chamber at 620-251-2550.

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CATTLE SALE EVERY WEDNESDAY: 11:30 AM
SELL HOGS 1ST & 3RD
WEDNESDAY OF EVERY MONTH
8/05/15

Steer and heifer calves sold on an active market. Feeder steers and heifers sold steady to \$2 higher on lighter weight Feeders. Cows sold on a steady to active market. Bulls sold \$3-\$5 higher.

COWS		Herington, 2 mix	610@248.50	Tampa, 114 blk	926@198.00
Lincolntonville, 1 red	1055@151.00	White City, 3 blk	620@240.50	Ramona, 36 blk	937@196.35
Council Grove, 1 blk	1405@114.00	Hope, 3 blk	617@240.50	HEIFERS	
Herington, 1 blk	1425@113.00	Herington, 7 mix	690@230.00	Herington, 8 blk	564@233.50
Herington, 1 blk	1575@113.00	Council Grove, 9 mix	767@218.00	Herington, 5 mix	493@225.00
Herington, 1 blk	1430@110.00	Burdick, 62 blk	803@217.85	Herington, 10 blk	594@220.25
Council Grove, 1 rnf	1325@108.00	Ramona, 128 blk	790@215.75	Council Grove, 12 blk	662@219.00
Herington, 1 blk	1310@107.50	Ramona, 129 blk	776@215.75	White City, 7 blk	631@216.75
Council Grove, 1 bmf	1175@107.50	Herington, 10 mix	721@215.00	Hope, 5 mix	608@211.50
Council Grove, 1 blk	1070@105.00	Hope, 20 blk	819@214.25	White City, 29 blk	775@200.25
Lincolntonville, 1 char	1450@103.50	White City, 5 blk	771@212.75	Council Grove, 39 blk	851@197.60
Tampa, 1 blk	1390@102.50	Hope, 62 blk	861@212.00	BULLS	
STEERS		Hope, 115 blk	865@211.00	Herington, 1 blk	2050@145.00
Herington, 4 blk	524@261.00	Marion, 61 blk	851@209.60	Herington, 1 blk	2125@142.50
Herington, 5 mix	607@249.00	Council Grove, 62 mix	885@208.10	Council Grove, 1 rnf	2105@142.00

EARLY CONSIGNMENTS FOR AUGUST 12:

- 9 mostly black first calf heifers, calve in September.
- 12 mix steers and heifers, 500-650 lbs.
- 25 mix steers and heifers, 500-700 lbs.
- 65 blk/bwf steers and heifers, 650-750 lbs., homeraised, longtime weaned, all shots
- 25 blk/bwf red/char-x steers and heifers, 700-800 lbs.
- 25 blk/bwf steers, 750-850 lbs.
- 55 black heifers, 700-750 lbs.
- 51 black heifers, 775-800 lbs.
- 65 mostly black steers, 775-800 lbs.
- 62 mostly black steers, 825-850 lbs.
- 112 black steers, 750-775 lbs.
- 25 black steers, 825-850 lbs.
- 118 mix steers, 875-900 lbs.
- 34 mix steers, 850-875 lbs.
- 120 mostly black steers, 800-850 lbs., Pending

MORE CATTLE BY SALE TIME!

EARLY CONSIGNMENTS FOR AUGUST 19:

- 120 mostly black steers, 825-850 lbs.

MORE CATTLE BY SALE TIME!

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AGCO and Precision Planting agree to bring technology to White planters

AGCO Corporation recently announced its latest investment and development in planting. AGCO entered into an agreement with Precision Planting®, an affiliate and business of The Climate Corporation that introduces factory integration of select Precision Planting technology to AGCO's White Planters™ line. New options will soon be available to give customers improved performance and the ability to utilize new and emerging technologies.

Continuing with AGCO's Fuse® Technologies approach to open architecture, the agreement also enables farmers to integrate their on-farm data into The Climate Corporation's digital agriculture platform. This data connection enhances farmers' ability to seamlessly and easily collect data in one place and gain personalized insights through digital tools to help them make more informed decisions about their operations.

"We work closely with

growers, designers and partners to develop what farmers want and need in a planter," says John Menssen, marketing manager for seeding and tillage at AGCO. "The addition of Precision Planting technology will give farmers new options in today's planting environment."

AGCO will be announcing new options and models of its White Planters line in the coming months that will include technologies made available from Precision Planting.

"Our White Planters line is known for achieving great planting accuracy," says Menssen. "Our focus is to continue to achieve that high level of accuracy while giving farmers expanded access to the latest in top-performing technologies, practices and products."

"Through this agreement, we're pleased to provide farmers with two ways to improve operations," said Mike Stern, president and chief operating officer at The Climate Corpora-

tion. "We're making it easy for farmers to access the latest Precision Planting technology on AGCO planters to enhance planting performance, and we're enabling them to seamlessly integrate on-farm data into their Climate accounts to help them make more informed decisions about their operations."

"This development between AGCO and Precision Planting is one element of AGCO's global strategy to bring innovative and open solutions to AGCO cus-

tomers and dealers," according to Eric Hansotia, AGCO's senior vice president of Global Crop Cycle, Advanced Technology Solutions and Dealer Tech Support.

Other AGCO strategic alignments include Bayer, DuPont, BASF, Connected Farm and Slingshot.

For more information on White Planters, the industry-leading row-crop planter line from AGCO, visit www.white-planters.com.

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So please get them turned in

RECEIPTS FOR THE WEEK TOTALED 3515 CATTLE AND 60 HOGS.

STEERS					
300-400	\$300.00-\$322.00	116 blk	Abilene	906@209.85	
400-500	\$290.00-\$309.00	115 blk	Abilene	903@208.10	
500-600	\$260.00-\$280.50	56 mix	Tampa	908@207.85	
600-700	\$235.00-\$254.50	8 blk	Piedmont	911@206.00	
700-800	\$215.00-\$233.00	55 blk	Longton	947@205.25	
800-900	\$200.00-\$219.75	25 mix	Hope	908@205.25	
900-1000	\$198.00-\$209.85	108 blk	Abilene	975@203.60	
		6 mix	New Cambria	809@203.00	
		108 blk	Abilene	978@203.00	
		90 blk	Hope	999@202.35	
		9 hols	Garnett	1014@147.00	
		14 hols	Garnett	1120@145.50	
HEIFERS					
300-400	\$260.00-\$280.00	9 blk	Towanda	361@280.00	
400-500	\$240.00-\$257.00	2 blk	Falun	443@257.00	
500-600	\$230.00-\$246.00	3 blk	Miltonvale	483@250.00	
600-700	\$220.00-\$235.50	2 blk	Moundridge	423@250.00	
700-800	\$200.00-\$217.00	3 blk	Longford	472@250.00	
800-900	\$190.00-\$208.00	16 mix	Longford	540@246.00	
900-1000	No Test	2 blk	Towanda	545@240.00	
		6 mix	Holyrood	593@238.00	
		42 mix	Longford	630@235.50	
		28 mix	Randolph	617@231.00	
		5 mix	Inman	598@230.00	
		9 blk	Ellsworth	633@229.50	
		4 red	Salina	603@229.00	
		15 mix	Cambridge	597@227.00	
		10 blk	Piedmont	699@222.00	
		90 mix	Hutchinson	708@217.00	
		9 blk	Tescott	738@214.00	
		6 blk	Canton	731@213.00	
		117 mix	Salina	817@208.00	
		64 blk	Enterprise	819@203.75	
		44 mix	Salina	903@196.75	
CALVES					
		1 blk	Lincoln	250@875.00	
		1 blk	Barnard	245@875.00	
		1 blk	Gypsum	200@750.00	
		1 rwf	Lincoln	170@735.00	
		1 red	Assaria	140@725.00	
		1 red	Assaria	90@575.00	
COWS					
		1 blk	Bushton	1195@121.00	
		3 blk	Randolph	1293@117.00	

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Kenny Briscoe
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MONDAY — HOGS & CATTLE

Hogs sell at 10:30 a.m. Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

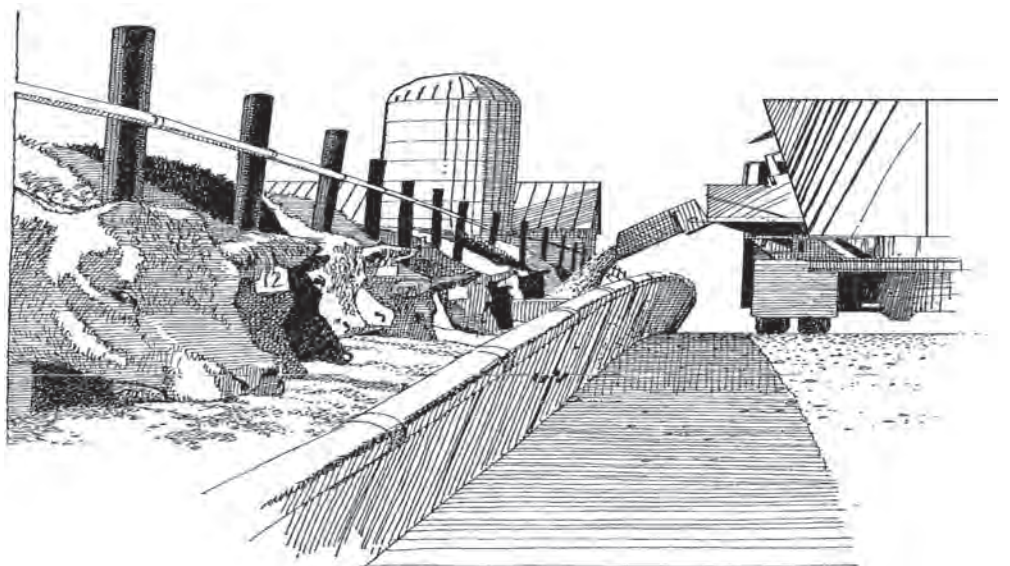
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1 wf	Falun	1205@114.00	1 wht	Abilene	500@38.00
1 bwf	Barnard	1595@111.00	3 wht	Abilene	543@37.50
			1 wht	Abilene	555@36.50
1 blk	Little River	2095@135.00	3 wht	Abilene	527@36.50
7 mix	Lindsay, OK	1212@134.00	1 wht	Abilene	505@36.00
1 blk	Newton	1815@129.00			
1 blk	Gypsum	1360@126.00			
			2 spot	Tescott	295@46.00
			3 mix	Tescott	258@45.00
1 wht	Abilene	590@39.00	2 mix	Tescott	230@45.00

EARLY CONSIGNMENTS FOR THURSDAY, AUGUST 13TH:
 60 blk/red strs, 800-900 lbs.; 120 mostly blk strs, 850-875 lbs.; 65 mostly blk strs, 800-825 lbs.; 100 blk strs & hfrs, 650-750 lbs.; 25 char-x strs & hfrs, 650-800 lbs.; 40 blk strs, 550-650 lbs., weaned; 25 blk strs & hfrs, 750-900 lbs.; 90 blk strs, 950 lbs.; 55 strs & hfrs, 600-700 lbs.; 200 strs, 900 lbs.
PLUS MORE BY SALE TIME!

SPECIAL COW SALE MONDAY, AUGUST 17TH AT 6 PM TAKING CONSIGNMENTS NOW!

Early Consignments:

80 blk hfrs, bred to Ohlde bulls, start August 25 60 days; 9 blk fall bred hfrs; 25 blk hfrs, OCHV'd, bred to LBW Angus bulls, start Sept. 15; 25 mostly blk pairs, 3-5 yrs; 30 mostly blk cows, 3-5 yr, heavy bred

PLUS MORE BY SALE TIME!

SPECIAL COW SALE MONDAY, SEPTEMBER 14 AT 6 PM TAKING CONSIGNMENTS NOW!

Early Consignments:

200 blk/bwf pairs, 2-5 yrs, big, 300-400 lbs., Green Garden Angus sired calves, cows exposed back to same Green Garden Angus bulls

PLUS MORE BY SALE TIME!

Check our listings each week on our website at www.fandrive.com

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 2011 JD 7330
 2004 JD 7420Coming
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 2013 JD 1790 12/23
 2012 JD 1790 16/31
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 2013 JD S670
 2010 JD 9670
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 2009 Case IH 2020 30' flex \$12,000 (H)
 2011 Case IH 3020 30' flex \$24,500 (M)
 2014 Case IH 3020 25' flex \$18,950 (W)
 2007 JD 630F 30' flex.....\$12,500 (H)
 2008 GL 8200 25' flex\$24,500 (M)
 1999 Case IH 1083 8RN\$19,500 (S)
 2003 Case IH 2206 6RN\$25,500 (M)
 2003 Case IH 2208 8RN\$26,500 (H)
 2001 Case IH 2212 12RN\$32,500 (W)
 2010 Case IH 3208 8RN\$38,500 (C)
 2010 Case IH 3212 12RN\$47,500 (W)
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 2003 Case IH MX255 Magnum, 6400 hrs
 1989 Case IH 7110 2WD, Farmhand 1140 ldr., bucket, grapple & pallet forks, 7,300 hrs
 1984 JD 4650 PS 4316 hrs
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 Mankato 8' dozer magnum 7100 mountings

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 2007 Hesston 5456A net baler, 2100 bales
 MacDon A30D sickle MoCo
 MacDon M-205 SR rotary
 New H&S 1660 16 wheel Hi Cap rakes
 Vermeer R23 twin rake

COMBINES
 2010 MacDon FD70 40' flex draper JD mounts
 2002 Case IH 1020, 25' flex head with Crary Air reel
 1994 Case IH 1010 25' head salvage
 2005 Case IH 2388, speciality rotar, 1500 rotar hrs
 2004 Case IH 2366
 1990 Case IH 1083 cornhead
 2003 Gleaner R65, 2700 sep. hrs

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 1998 Case IH 2388 4WD
 1997 Case IH 2166 4WD
 1981 IH 963 6RN

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 Case IH Farmall 115U MFD
 Case IH Farmall 105U MFD
 Case IH Farmall 85C MFD

USED TRACTORS
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 2011 JD 5055D 2WD, ROPS
 2001 NH TS110 cab, 4WD, ldr.
 2001 NH TL70 cab, 4WD
 2013 Case IH Magnum 340
 2005 Case IH Magnum MX285
 2012 NH TS 6030, 4WD ldr.
 1993 Case IH 7140 MFD
 2013 Kubota M 9960 HDC 4WD, ldr.

MISCELLANEOUS
 2011 Case IH 330 turbo 31'
 2006 Case IH RMX 370 disc 28'
 2006 Case IH DCX 131, disk mower
 2011 Case IH 1240 16/31 fert.
 2010 Case IH 1240 16/31
 2008 Case IH 1240 16RN, BF

1995 Case IH 4800 FC 32'
 2007 MF 2745, net/twine
 1999 NH 658 twine
 1990 Hesston 1150 MoCo
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 IH 490 disc 25'
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Gilmore Creek Ranch to host KLA/K-State Ranch Field Day

A panel including ranchers and a range scientist discussing the benefits and challenges of using grass traps for starting or wintering cattle will highlight the August 20 KLA/Kansas State University Ranch Management Field Day at Gilmore Creek Ranch near El Dorado. The commercial cow-calf and stocker operation located northwest of the El Dorado Reservoir in Butler County is under ownership of the Randy and Judy Mills family operation, known as Doyle Creek Land & Cattle Co. Inc. Randy and Judy's son-in-law and daughter, Frank and Mary Harper, operate Gilmore Creek Ranch on a daily basis.

According to Frank Harper, during the drought of 2011, several improvements were made on the ranch, including a central grass trap/feedbunk system to help maintain cattle numbers and improve water dis-

tribution. Maintaining the integrity of the brome grass traps has required timely management, but has proven beneficial in allowing for multiple uses throughout the year. A number of stocker operators in Kansas have incorporated grass traps for starting and backgrounding calves as an alternative to dry lots, but the concept is somewhat new to cow-calf operations. Frank Harper will be joined on a panel by Emporia rancher Jaret Moyer and Natural Resources Conservation Service Rangeland Management specialist David Kraft to discuss their experiences and recommendations for implementing grass traps in a cow-calf, heifer growing or stocker cattle program.

Another topic on the agenda will be a federal issues update from National Cattlemen's Beef Association (NCBA) Executive Di-

rector of Legislative Affairs Kristina Butts. She will provide a timely report on how NCBA is addressing a variety of issues, including waters of the U.S. regulations, pending retaliatory tariffs resulting from mandatory U.S. country-of-origin labeling, the 2015 U.S. Dietary Guidelines and regulatory/legislative proposals to restrict the use of antibiotics in livestock production.

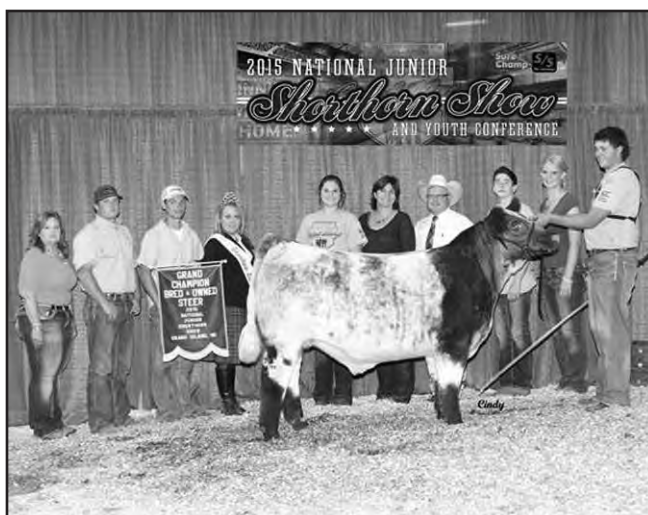
In addition, Charles Barden with the Kansas State University Forestry Service will be on hand to provide tips for the design and maintenance of live windbreaks. Barden will discuss tree species selection, spacing and planting guidelines. He also will give pointers on how to maintain a healthy and sustainable windbreak.

The Gilmore Creek field day will begin with registration at 4:00 p.m. and conclude with a free beef dinner at 6:30 p.m. All livestock producers and others involved in the business are invited to attend.

Gilmore Creek Ranch is located in north central Butler County. From Cassoday, go south on Highway 177. At the Highway 177-110th Road intersection, turn west and drive about 5 miles to

Bluestem Road. From 110th and Bluestem, go south about 2 miles to the ranch headquarters. From El Dorado, go north on Highway 77 about 8 miles past the Kansas Turnpike overpass to 110th Road (also known as DeGraff Road). Turn east and drive 4 miles to Bluestem Road. Then go south 2 miles to the ranch headquarters. If traveling from east of El Dorado, go north on Highway 177 at the intersection of Highways 54 and 177. After about 8 miles, go west on NE 70th Road about 3 miles. (NE 70th curves north and becomes NE Chelsea Road.) Turn west onto NE 85th for ½ mile to Bluestem Road. Turn north on Bluestem and drive ½ mile to ranch headquarters. Directional signs will be posted.

Hobbs Ranch near Penokee will host the second KLA/K-State ranch field day August 27. LS Cattle in western Douglas County will be the site of the final field day August 29. Bayer HealthCare - Animal Health Division and the Farm Credit Associations of Kansas are sponsoring all three field days. For more information, go to www.kla.org or call the KLA office at (785) 273-5115.



NIKKEL LUCKY 406, shown by Jacob Nikkel of McPherson, was named the Grand Champion Bred and Owned Steer at the 2015 National Junior Shorthorn Show and Youth Conference. He was sired by JAKE'S PROUD JAZZ 266L.

Bill halting duplicative EPA pesticide permit requirement approved by committee

U.S. Sen. Pat Roberts, R-Kan., chairman of the U.S. Senate Committee on Agriculture, Nutrition and Forestry, recently announced the Senate Committee on Environment and

Public Works passed S. 1500, the Sensible Environmental Protection Act of 2015.

The bipartisan legislation, cosponsored by Roberts, eliminates redundant federal permitting requirements for pesticide applications.

"This duplicative pesticide permitting requirement provides no environmental protections or benefits and is only a nuisance to hard-working farmers and other pesticide applicators," Roberts said. "I continually hear about this issue from farm country, and I hope we can finally put it to bed once and for all."

Introduced by Sens. Mike Crapo, R-Idaho, and Claire McCaskill, D-Mo., the legislation amends the Clean Water Act and the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) to clarify Congressional intent regarding the regulation of the use of pesticides in or near navigable waters. The bill requires EPA to consult with the Secretary of Agriculture and report to Congress on streamlining data collection and use regarding water quality due to the registration and use of pesticides. The agencies will also provide recommendations on how FIFRA can better protect water quality and human health.

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Kim Brooks, Johnson County Livestock Association president, presented Mallory Meek, Leah Russel and Michael Dowd with their mentoring awards. Also present was Evan Zimmerman, Johnson County Farm Bureau.

Johnson County 4-H youth receive cash reward for their mentoring efforts

Three Johnson County K-State Research and Extension 4-H youth were recognized for their roles as mentors July 31 at the 2015 Johnson County Fair, held in Gardner. Michael Dowd, 15, Olathe; Mallory Meek, 17, Spring Hill; and Leah Russel, 17, Gardner, received cash rewards for their work

with 2014-2015 Johnson County grant winners on their livestock projects. The mentors worked with the younger grant winners to help them learn about selecting, showing and managing their animals. Funds for the cash rewards were provided by the Johnson County Livestock Association.

Meadowlark District announces wheat variety plot results

By David G. Hallauer, District Extension Agent, Crops & Soils/Horticulture
I really thought we'd done it in. Guess not!

The 2015 Meadowlark Extension District Wheat Variety Plot survived minimal fall establishment, excess rainfall, stripe rust unlike ever seen before, and head scab - all in the same season! The plot's average yield - 38.8 bushels/acre - isn't outstanding, but it also doesn't begin to tell the story of a year filled with challenges.

Eleven variety entries in this year's plot were planted last October 30. The first bit of hard freezing weather hit just as the entries were beginning to poke through. Spring saw some great growth, however, with close to 100 pounds of actual nitrogen per acre combining with a heavy 120-pound-per-acre seeding rate to really thicken the stand. Stripe rust set in and the plot was sprayed with a fungicide on May 5th to help combat the fungal disease pressure. The real kicker came during flowering when almost constant moisture and conditions more than suitable for Fusarium Head Blight (head scab) really hurt grain quality.

Yields ranged from a low of 26 bushels/acre to a high of 58. Cedar topped the plot this year followed at 51 bushels per acre by Everest. Results (in planting order) are: Fuller: 37 bu/A; WB-Grainfield: 35.2 bu/A; SY Wolf: 42.6 bu/A; WB-Cedar: 57.9 bu/A; WB-Redhawk: 33.2 bu/A; Everest: 51.4 bu/A; LCS Mint: 25.8 bu/A; Armour: 41.1 bu/A; Kan-Mark: 39.5 bu/A; LCS Wizard: 26.2 bu/A; and 1863: 37.5 bu/A. The Ascend seed treatments showed a slight positive response when applied to Armour and a slight negative response when applied to 1863. Test weights ranged from 51.5 to 46.6 pounds.

Due to the extreme variability in conditions across the state this year, results should be used in combination with other yield data sources. These results are available under the Crops & Soils link at www.meadowlark.ksu.edu or by contacting your District Office. Kansas Crop Performance

Test results are located at <http://www.agronomy.k-state.edu/services/crop-performance-tests/winter-wheat/index.html>. Special thanks to Bern Seed, Ag Partners Co-op, and Doug and Leonard Edelman for their assistance with this year's plot.



The Reserve Champion bred and owned heifer at the National Junior Shorthorn Show was shown by Faye Smith, Walton.

REAL ESTATE AUCTION

Commercial Building

TUESDAY, SEPTEMBER 15 • 7:00 PM

HELD ONSITE AT 714 PLUM STREET — WAMEGO, KS

Description: So many possibilities come with this sturdy, well maintained building. It is over 5,000 square feet on a large corner lot in Wamego. Lot size is 150'x204'. Inside it has about 10+ offices and several larger rooms, 3 bathrooms, a partial basement which provides storage and shelter, and an independent kitchen. It was previously used as a nursing home and most recently a daycare.

Legal Description: Wamego Original, 504, T10, R10, Acres 0.69, BEG 60' E NE, Corner Lot 867 THE 183.73', 525' 11" E 16.27' 5124.89, W200, N 150' TO POB.

Call Andrew for showings! 785-456-4352

SELLERS: YANG-XIAO FAMILY TRUST

TERMS: Property sells AS IS, WHERE IS. 10% non-refundable down payment is required day of sale by check. Buyers must be able to close on or before October 15, 2015. Buyer needs bank letter of loan approval or funds verification. Cost of Title Insurance and Closing Costs to be split equally between Buyer and Seller. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the sellers.

Two Locations:
7840 E US Hwy 24, Manhattan
785-539-2732

1003 Lincoln, Wamego 785-456-6777
Terri Hollenbeck, Broker/Owner:
785-223-2947
Andrew Sylvester, Auctioneer
785-456-4352

www.kscrossroads.com

Yard & Garden Tips

By Gregg Eystone

Does Your Soil Pass the Test?

The Kansas Healthy Yards and Communities recommendation is to have your soil tested every three to five years or prior to a new planting. This soil test will identify the soil pH and nutrient levels to determine if turf, shrubs, flowers, food crops and trees have what they need to grow. It is better to test the soil than just guess what to add.

A routine soil test will cost \$6.50. Grants and most Extension offices reduce that cost. Riley County residents can get their first two tests done for \$2.15 each. This minor expense is likely to be recovered when selecting the proper fertilizer for your soil needs.

Soils in the Riley County area do vary. Many of them have adequate fertility and the soil test would prove it. On these soils, fertilizing them is not necessary and if nutrients are added it is a waste. Too much and it can become toxic and a pollutant.

An elevated soil pH is the most common soil condition that shows up on Riley County garden soil test results. A soil pH of 6.5 is preferred by many plants. Our most common pH is 7.7. Growing plants that tolerate that pH is easiest. I like

strawberries and that pH is too high for them. The addition of two pounds of sulphur worked into my 100 square feet of bed is required.

When you get motivated to soil test, bring a composite of your soil to the Extension office on the second floor of the Riley County Office Building. This composite of two cups is made up of several soil samplings taken to a depth of six inches. The more samplings taken the more concise the test will be. Put the soil in a disposable container. A plastic sandwich bag is ideal.

Phosphorus and potassium are major nutrients that are identified in the soil test. These nutrients are easiest added prior to plant-

ing. Our garden plants won't deplete these nutrients once built up in the soil. Nitrogen is not generally tested since it is mobile and will need to be added annu-



Shane Stanton, Randolph Ramblers 4-H, earned intermediate reserve champion dairy showman honors at the Riley County Fair.

Marysville Livestock Sales

Every Thursday at 12 Noon

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

SALE INFORMATION FOR AUGUST 6, 2015

<p>CALVES BY THE HEAD</p> <p>WASHINGTON 1 RED HFR \$950.00</p> <p>STEERS</p> <p>OSKALOOSA 2 MIX BULL 342@\$375.00</p> <p>WASHINGTON 2 XBRD STR 352@\$353.00</p> <p>WASHINGTON 3 BLK STR 390@\$335.00</p> <p>OSKALOOSA 5 XBRD BULL 412@\$318.00</p> <p>FRANKFORT 1 BLK STR 370@\$295.00</p> <p>WASHINGTON 1 BLK STR 450@\$291.00</p> <p>FRANKFORT 5 XBRD STR 470@\$290.00</p> <p>WASHINGTON 1 BWF STR 370@\$272.00</p> <p>DILLER,NE 8 BLK STR 611@\$257.50</p> <p>BURCHARD,NE 1 BWF STR 540@\$251.00</p> <p>FILLEY,NE 3 MIX STR 650@\$248.00</p> <p>BURCHARD,NE 3 BWF STR 603@\$246.00</p> <p>BREMEN 28 BLK STR 652@\$245.25</p> <p>BLUE RAPIDS 4 BLK STR 646@\$241.50</p> <p>ODELL,NE 2 BWF STR 557@\$241.00</p> <p>FRANKFORT 10 XBRD STR 650@\$240.00</p> <p>GREENLEAF 1 XBRD STR 665@\$238.00</p> <p>HAVENSVILLE 6 XBRD STR 667@\$237.75</p> <p>FRANKFORT 7 XBRD STR 670@\$236.25</p> <p>MARYSVILLE 1 BLK STR 590@\$235.00</p> <p>TOPEKA 3 RED STR 621@\$231.50</p> <p>FRANKFORT 11 BLK STR 743@\$228.50</p> <p>FILLEY,NE 2 BLK STR 722@\$228.00</p> <p>VERMILLION 28 BLK STR 763@\$227.75</p> <p>MARYSVILLE 11 MIX STR 753@\$226.00</p> <p>ODELL,NE 2 BLK STR 580@\$226.00</p> <p>BREMEN 1 BLK BULL 600@\$224.00</p> <p>SABETHA 6 BLK STR 811@\$223.50</p> <p>FRANKFORT 64 MIX STR 788@\$220.50</p> <p>FRANKFORT 47 BLK STR 804@\$219.75</p> <p>DILLER,NE 5 BLK STR 775@\$218.75</p> <p>FRANKFORT 4 XBRD STR 828@\$214.50</p> <p>SABETHA 19 MIX STR 900@\$212.25</p> <p>AXTELL 14 BLK STR 932@\$211.85</p> <p>GREENLEAF 8 XBRD STR 865@\$210.50</p> <p>FRANKFORT 64 XBRD STR 852@\$210.35</p> <p>WESTMORELAND 61 BLK STR 935@\$210.00</p> <p>WASHINGTON 3 XBRD STR 758@\$210.00</p> <p>BURCHARD,NE 1 XBRD STR 525@\$208.00</p> <p>MARYSVILLE 2 CHAR STR 800@\$207.50</p> <p>FRANKFORT 20 MIX STR 875@\$207.00</p> <p>BLUE RAPIDS 3 BLK STR 763@\$206.50</p> <p>MORROWVILLE 1 RED STR 850@\$205.50</p> <p>BEATRICE 1 BLK STR 735@\$205.00</p> <p>DILLER,NE 1 BLK BULL 680@\$205.00</p> <p>BAILEYVILLE 58 XBRD STR 939@\$203.10</p> <p>MARYSVILLE 132 XBRD STR 953@\$203.10</p> <p>WESTMORELAND 1 BLK STR 920@\$195.00</p> <p>GREENLEAF 11 XBRD STR 979@\$194.50</p> <p>FRANKFORT 18 XBRD STR 884@\$194.00</p> <p>MARYSVILLE 1 BLK STR 940@\$189.00</p> <p>DILLER,NE 1 XBRD BULL 845@\$186.50</p> <p>SABETHA 3 XBRD STR 1,060@\$183.00</p> <p>HEIFERS</p> <p>OSKALOOSA 1 BLK HFR 270@\$310.00</p> <p>OSKALOOSA 1 BLK HFR 385@\$280.00</p> <p>WASHINGTON 10 BLK HFR 459@\$268.00</p> <p>HADDAM 14 XBRD HFR 488@\$254.00</p> <p>FRANKFORT 3 BLK HFR 503@\$252.00</p> <p>ODELL,NE 2 XBRD HFR 405@\$236.00</p> <p>FRANKFORT 1 RED HFR 565@\$235.00</p> <p>FRANKFORT 11 XBRD HFR 548@\$232.50</p> <p>ODELL,NE 1 BLK HFR 540@\$231.00</p> <p>HADDAM 24 XBRD HFR 589@\$228.00</p> <p>BURCHARD,NE 5 XBRD HFR 567@\$226.00</p> <p>BLUE RAPIDS 1 BLK HFR 560@\$221.00</p> <p>FRANKFORT 1 WF HFR 615@\$219.00</p> <p>WASHINGTON 9 BLK HFR 703@\$216.00</p> <p>FRANKFORT 29 MIX HFR 704@\$214.35</p> <p>HADDAM 1 XBRD HFR 585@\$211.00</p> <p>FRANKFORT 5 BWF HFR 723@\$210.50</p> <p>FILLEY,NE 7 MIX HFR 760@\$205.00</p>	<p>FRANKFORT 62 XBRD HFR 774@\$202.50</p> <p>RANDOLPH 6 BLK HFR 743@\$202.00</p> <p>ODELL,NE 1 BLK HFR 570@\$201.00</p> <p>BLUE RAPIDS 6 BLK HFR 657@\$199.00</p> <p>MARYSVILLE 1 BLK HFR 715@\$197.00</p> <p>MORROWVILLE 1 BLK HFR 635@\$196.00</p> <p>GREENLEAF 10 XBRD HFR 799@\$196.00</p> <p>FRANKFORT 3 XBRD HFR 748@\$195.00</p> <p>FILLEY,NE 3 MIX HFR 831@\$194.00</p> <p>BURCHARD,NE 1 WF HFR 695@\$189.00</p> <p>GREENLEAF 11 XBRD HFR 893@\$187.50</p> <p>FRANKFORT 1 WF HFR 815@\$172.00</p> <p>HFRETES</p> <p>BREMEN 1 XBRD HFRETTE 900@\$169.00</p> <p>CENTRALIA 1 BLK HFRETTE 1,130@\$156.00</p> <p>GREEN 1 BLK HFRETTE 1,435@\$132.00</p> <p>BRED COWS/PAIRS</p> <p>GREENLEAF 5 RED CCPR 6 YRS \$3,250.00</p> <p>GREENLEAF 4 RED CCPR 7 YRS \$2,975.00</p> <p>OSKALOOSA 1 BLK CCPR 5 YRS \$2,900.00</p> <p>CENTRALIA 1 BLK CCPR 2 YRS \$2,900.00</p> <p>BAILEYVILLE 2 XBRD CCPR 2 YRS \$2,850.00</p> <p>OSKALOOSA 1 BWF CCPR AGED \$2,150.00</p> <p>CENTRALIA 2 MIX COW 3 YRS 6-7 MO \$2,450.00</p> <p>CENTRALIA 2 BLK COW 6 YRS 7 MO \$2,450.00</p> <p>CENTRALIA 5 BLK COW 7-8 YRS 6-7-8 MO \$2,025.00</p> <p>COWS</p> <p>WASHINGTON 1 BLK COW 1,355@\$120.00</p> <p>GOFF 1 RED COW 1,305@\$115.00</p> <p>GOFF 1 BLK COW 1,615@\$113.50</p> <p>GOFF 1 RED COW 1,470@\$113.50</p> <p>WASHINGTON 1 RED COW 1,315@\$112.00</p> <p>GOFF 1 RED COW 1,510@\$112.00</p> <p>GOFF 1 RED COW 1,485@\$112.00</p> <p>GOFF 1 RED COW 1,365@\$111.50</p> <p>GOFF 1 RED COW 1,680@\$111.00</p> <p>CENTRALIA 1 BLK COW 1,420@\$109.50</p> <p>HANOVER 1 BLK COW 1,565@\$109.50</p> <p>HANOVER 1 BLK COW 1,710@\$109.00</p> <p>WASHINGTON 1 BLK COW 1,150@\$109.00</p> <p>GOFF 1 XBRD COW 1,340@\$109.00</p> <p>RANDOLPH 1 CHAR COW 1,490@\$108.50</p> <p>GOFF 1 RED COW 1,425@\$104.50</p> <p>WASHINGTON 1 BLK COW 1,110@\$95.00</p> <p>FRANKFORT 1 BLK COW 1,105@\$87.00</p> <p>ADULT BULLS</p> <p>RANDOLPH 1 BLK BULL 2,040@\$144.50</p> <p>RANDOLPH 1 CHAR BULL 2,055@\$140.50</p> <p>HANOVER 1 BLK BULL 2,185@\$140.00</p> <p>CENTRALIA 1 BLK BULL 1,665@\$139.50</p> <p>HANOVER 1 BLK BULL 1,840@\$133.00</p> <p>GOFF 2 BLK BULL 1,777@\$132.00</p> <p>WYMORE,NE 1 BWF BULL 1,600@\$121.00</p>
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EARLY CONSIGNMENTS FOR 8-13-2015

25 MIX STRS/HFRS	500-600#	WV HR
30 BLK STRS/HFRS	600-650#	WV HR
18 BLK STRS	600-700#	WV HR
25 BLK & BWF Strs/Hfrs	600-800#	WV HR OG
10 CHAR HFRS	750-775#	WV HR
95 BLKX STRS/HFRS	700-850#	WV HR
18 XBRD STRS	750-800#	WV
78 BLK HFRS	800-825#	WV
60 BLK STRS	800-825#	WV OG
20 BLK HFRS	825-875#	WV
65 BLK STRS	850-900#	WV
60 BLK & xbrd STRS	875-900#	WV OG
22 BLK STRS	900-925#	WV OG
60 BLK STRS	900-950#	WV

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Bird ban a bummer to some Kansas county fair families

(AP) - If Cruella, Ursula and Maleficent could chirp in English, they might be celebrating missing this year's Tri-Rivers Fair in Salina.

But their human handlers - the Farhentholds - are bummed that a year's

toils can't be put on display, the *Salina Journal* reported.

Katrina Farhenthold, 12, "was pretty sad" when she learned that birds are banned this year, said her mother, Lindi Farhenthold.

"This takes out some of the excitement," Lindi said.

"My kids really look forward to it."

They've known since early June that the Kansas Department of Agriculture banned poultry shows, including county and state fairs, swap meets, sales, auctions and other activities where flocks of birds might gather, to prevent the spread of H5N2 avian influenza.

A few cases of that strain of bird flu have surfaced in Kansas and other states, said Carl Garten, Extension director for Saline and Ottawa counties. The Tri-Rivers Fair will be feather-free.

Lindi Farhenthold guessed the chickens, pigeons, guinea fowl and ducks that her family have exhibited over the years "would rather stay home where they aren't cooped up in a cage."

Same goes in the Jason and Kris Bell family near Brookville, where the best of 352 ducks, chickens, geese, quail and guineas were put on display every year at the fair.

"I'm very disappointed, because it's a lot of hard work to raise and take care of the birds and not be able to show 'em," Blake Bell said.

"It's really made our fair pretty lonesome," Jason Bell said.

He and his wife, Kris, showed many forms of livestock when they were youngsters; now their sons, Jake Funk, 16, Blake, 14, and Colton Bell, 12, are continuing as a "diehard 4-H family," he said.

The Bells are common winners in poultry at the fair, Blake said.

"The best we've ever done at the county fair is win every class, and the best at the state fair was to win half the classes and the overall grand champion," he said.

Jake and Colton also help with the poultry projects, Blake said, but the birds are his specialty.

"Blake was really down

when they said 'no poultry shows in Kansas.' He lives, breathes and dies poultry and waterfowl," Jason Bell said. "But we all know that it's for the best. We don't want to take a chance on spreading that avian flu. It's better to be safe than sorry."

The fair families were understanding about the ban this year, Garten said.

"There wasn't anything we could do about it," he said. "If I bring my birds and they get the flu and I have to destroy them all, maybe it's not worth it."

The Bells and Farhentholds know what to look for in their flocks, such as birds displaying lethargy and having respiratory problems. So far, there have been no symptoms.

"You would have them checked out," Lindi Farhenthold said. "If they did (have avian flu), I'm pretty sure you'd have to destroy the whole flock. We would not want to spread the disease any further."

The Bells will take poultry and waterfowl note-

books, posters, displays and showmanship videos to the state fair next month. They will show other animals at the Tri-Rivers Fair.

"Colton loves swine. Jake shows cattle and decided he wants to show lambs this year. Blake will be showing breeding heifers and dairy heifers. They do a really good job at it. We either do it right or we don't do it at all," Jason Bell said. "This stuff will help them get through it."

The Farhenthold family has been showing birds in the open and 4-H classes at the Tri-Rivers Fair since Hannah began in 2002. Lindi is a stay-at-home mom, and her husband, Scott Farhenthold, is an independent insurance agent in Salina.

"My older sister, Rachel (now 25) showed horses, and I loved birds, so chickens were the natural thing to get," said Hannah.

Jessica, 19, and Katrina, will show rabbits, and Katrina will also do crafts and foods. She won a purple ribbon for her poultry show-

manship video at the Ottawa County Fair in Minneapolis.

"We like a variety," their mother said.

Now 22, Hannah is the superintendent of the poultry project at the Tri-Rivers Fair in Salina, and she is district project leader in Ottawa and Saline counties.

"It's made my job a lot simpler," Hannah Farhenthold said. "But I'm not happy about the change."

Jason Bell is hopeful the ban will be lifted for events next year.

"It affects people's livelihoods. There are people who go around judging at the county, state and national levels," he said. "Our family goes to swap meets and sells excess roosters and hens, and we acquire enough funds to pretty much feed the rest of them for a year."

Both families sell eggs and adult birds. The Bells are working on completing certification through the National Poultry Improvement Program.

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Date: 8/5/15. A really great run of feeder cattle selling mostly steady. Cows & bulls for slaughter steady with last week.

BULL CALVES		HEIFERS		STEERS	
2 wf	720@205.00	2 blkwf	675@230.00	2 mix	725@212.00
6 blk	863@187.50	31 mix	738@225.75	19 mix	808@202.50
2 mix	545@222.50	197 blk/blkwf	767@220.00	68 mix	836@210.00
4 mix	663@208.00	51 mix	799@212.00	5 mix	839@208.50
2 blk	670@209.00	179 mix	801@202.50	34 blk/blkwf	851@207.25
2 blk	710@208.00	19 mix	808@202.50	10 red	854@202.00
16 mix	726@209.50	68 mix	836@210.00	12 blk	858@210.50
11 blk	728@210.50	5 mix	839@208.50	32 mix	873@203.00
2 blk	730@210.00	60 mix	875@204.75	10 red	875@204.75
6 blk	758@207.00	110 mix	883@197.10	12 blk	883@197.10
19 mix	788@205.00	174 blk	899@209.50	34 blk/blkwf	899@209.50
40 mix	790@200.75	92 blk	917@204.25	10 red	917@204.25
15 mix	796@205.00	21 mix	931@203.00	12 blk	931@203.00
18 blk/blkwf	800@207.00	45 blk	933@204.00	12 mix	959@197.25
62 blk	830@204.50	98 blk	976@201.10	17 mix	983@198.00
82 mix	870@192.50	24 mix	988@202.25	24 mix	988@202.25
21 blk/blk wf	877@199.75	12 mix	997@195.00	23 mix	1033@197.00
15 blk	890@193.75	80 mix	1071@195.60		

COWS: \$107.00-\$112.00 **BULLS: \$135.00-\$139.00**
 \$101.00-\$106.75 Light Test
SHELLS: \$100.00 & down

EARLY CONSIGNMENTS FOR AUGUST 12th:

- 50 blk & blkwf steers & heifers, 575-750 lbs.
- 150 blk & blkwf steers & heifers, 550-750 lbs.
- 30 blk & red str & hfrs, 650-775 lbs., weaned 30 days
- 180 black & red heifers, 725-825 lbs.
- 300 black red & Charolais steers, 850-1,000 lbs.

MORE CONSIGNMENTS PENDING

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

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LYLE WILLIAMS, Field Representative, 785-229-5457
WIBW 580 - 6:45 A.M. Thurs;
KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.
 emprialivestock.com



Pictured from left are: Kim Brooks, Johnson County Livestock Association president; Emily Dowd, Kylie Rogers, Allyson Rietcheck, Mallory Meek, Ben Burling, Abigail Dawson, Brenden Meek, and Evan Zimmerman, Johnson County Farm Bureau.

Johnson County 4-H youth awarded grants and mentors selected at county fair

The Johnson County Livestock Association development program awarded grants and selected new grant mentors July 31 at the 2015 Johnson County Fair, held in Gardner.

- Grant Recipients**
- Ben Burling, 10, Gardner, Beef
 - Emily Dowd, 12, Olathe, Swine
 - Allyson Rietcheck, 8, Gardner, Sheep
 - Kylie Rogers, 9, Olathe, Goat

- 2015-2016 Mentors**
- Abigail Dawson, 16, Spring Hill, Goat
 - Brenden Meek, 14, Spring Hill, Swine
 - Mallory Meek, 17, Spring Hill, Beef and Sheep

Grant recipients were selected based on applications outlining how they would use their grant funds, what they have learned from their 4-H projects,

their goals and why they should be selected. Mentor applications detailed the youths experience with 4-H livestock projects, what they want to share with their assigned grant winner, what they believe are major challenges to agriculture in the next five years, how they would educate consumers about their food supply and why they should be selected. Funds for the grants were provided by the ADM Cares, Johnson County Farm Bureau, Trails West Ace Hardware, CJ Feed and Supply, and Farmers Union Co-op.

JC LIVESTOCK SALES INC.

Wednesday Sale, Hogs NOON • Cattle 12:30 PM

For the week of August 5, 2015:

Weight	Price	Weight	Price
10	460 281.00	4	700 212.50
44	554 263.00	12	739 210.00
4	593 254.00	27	863 197.00
6	649 241.00		
31	702 234.50		
17	742 227.50		
55	769 224.00		
12	827 214.00		
15	852 212.50		
12	907 197.00		

Top Butcher Cow was \$109.00 @ 1,360 lbs.

Top Butcher Bull was \$139.00 @ 1,885 lbs.

Butcher Hog Top: 6 264@46.00

Sows: \$30.50-\$38.50

CONSIGNMENTS FOR AUGUST 12:

100 Blk X Strs & Hfrs.....600-775 lbs.Weaned

200 Mix Strs.....875-975 lbs.

55 Blk X Strs.....850-950 lbs.

Plus more by sale time!

CONSIGNMENTS FOR AUGUST 19:

144 Blk X Strs.....850-950 lbs.

Plus more by sale time!

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

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CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

For the week of August 4, 2015:

Weight	Price	Weight	Price
2	538 260.00	4	798 190.00
4	656 221.00	12	975 180.00
5	709 220.00		
19 hol	663 171.00		
12 hol	598 170.50		

23 Red Ang. 1st Calf Bred Heifers \$3,000-\$3,075

Top Butcher Cow: \$112 @ 1,640 lbs.

Top Butcher Bull: \$147.50 @ 2,150 lbs.

HEIFERS:

6	471 250.00
6	553 230.00
1	625 207.00
4	663 206.00

EARLY CONSIGNMENTS FOR OUR AUGUST 18 SALE:

90 Holstein steers, 700-775 lbs.

25 Holstein steers, 700-775 lbs.

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FOURTH & POMEROY ASSOCIATES, INC.
 Joseph Ebert, General Manager
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Sen. Moran presses USFWS to reconsider lesser prairie chicken listing

U.S. Sen. Jerry Moran (R-Kan.) has requested information from U.S. Fish and Wildlife Service (USFWS) director Dan Ashe regarding how the agency intends to use new evidence highlighting a significant increase in the lesser prairie chicken (LPC) population. An aerial survey conducted by the Western Association of Fish and Wildlife Agencies (WAFWA) estimates the bird's population to be 29,162 birds – a nearly 50 percent increase since 2013.

"The fact the lesser prairie chicken population is rebounding after increased rainfall in the habitat area comes as no surprise to Kansans familiar with the region," said Moran. "We don't need burdensome regulations from federal government dictating land use practices and hindering our rural economy. More rainfall, as well as locally driven, voluntary conservation plans developed with stakeholder input, will do far more for the bird's conservation than bureaucrats and regulators in Washington."

The bird's population decreased largely as a result of the historic, multi-year drought impacting the habitat area.

Every county in Kansas with habitat area was experiencing a D3-Extreme Drought or D4-Exceptional Drought in 2013 at the time of the WAFWA annual aerial population survey, according to the U.S. Drought monitor. As rainfall returned to more historic norms in 2014 and again this year, the bird's population has correspondingly increased.

In an attempt to avoid the bird's listing under the Endangered Species Act, farmers, ranchers, energy developers and other stakeholders in the region came together to develop a locally driven, voluntary conservation plan. However, the plan was not given the opportunity to prove its effectiveness because the U.S. Fish & Wildlife Service chose to list the bird as a threatened species in March 2014.

Since the listing, Moran has led the effort in Congress to reverse the misguided decision. His amendment to the FY2016 Interior, Environment and Related Agencies Appropriations Bill to restrict the use of funds for enforcement of the listing passed with a majority vote. In January 2015, Sen. Moran also successfully secured a vote on a simi-

lar LPC amendment to Keystone XL pipeline legislation (S.1), which received the support of a bipartisan majority of senators.



Nathan Featherstone, Wildcat 4-H, exhibited the champion Jersey female at the Riley County Fair. He was also selected as reserve champion senior dairy showman.

Sericea lespedeza field day scheduled

Sericea lespedeza control can be a major issue for cattle and forage producers. As producers who have the weed can attest, Sericea is a difficult weed to control. To confront this issue, K-State Research and Extension and the Wildcat Extension District will host a Field Day on the evening of August 20th.

The event will start at 6:00 with a sponsored dinner and is scheduled to conclude by 8:00. Sponsors for the event include Bayer

CropScience and Dow AgroSciences. Speakers will include the Wildcat Extension District Agriculture and Natural Resources agents as well as Southeast Area Agronomist Doug Shoup. The topics that will be covered are weed and brush control spot spraying and timing as well as a tour of the plots.

The meeting will be held on location at the plots located southwest of Girard. From the intersection of Highways 7 and 126 go 5

miles west to 100th St. Go two miles south on 100th St. and turn west on 530th Ave. The plots are 1/4 mile west of the 100th St. and 530th Ave. intersection.

To reserve a dinner, or if

you have any questions about this event, please contact the Wildcat Extension District Girard Office at 620-724-8233 or by email at jcoltrain@ksu.edu.



Rachel Featherstone, Wildcat 4-H, was named intermediate champion dairy showman at the Riley County Fair.



Bridget Stanton's Brown Swiss was named other breeds champion on the way to winning supreme champion dairy female at the Riley County Fair. Stanton, a member of the Randolph Ramblers, was also named champion senior dairy showman.

BELLEVILLE 81 LIVESTOCK SALES

Junction Hwys 36 & 81 Belleville, Kansas

CATTLE SALES EVERY FRIDAY • 10:30 AM

August 7th Sale. Slaughter cows, \$85-\$117, most \$103-\$115. Bulls to \$145. New crop unweaned calves.

386 hrs	\$268.00	473 str	\$278.00
490 hrs	\$261.00	504 str	\$271.00
574 hrs	\$238.00	584 str	\$257.00
378 str	\$308.00		

STEERS		HEIFERS	
696 lbs.	\$232.00 Drylot	619 lbs.	\$231.25 Drylot
698 lbs.	\$235.00 Drylot	676 lbs.	\$219.50 Drylot
731 lbs.	\$238.75 Grass	716 lbs.	\$214.00 Grass
743 lbs.	\$234.75 Drylot	749 lbs.	\$205.50 Drylot
748 lbs.	\$230.50 Drylot	796 lbs.	\$195.00 Drylot
866 lbs.	\$209.75 Drylot	828 lbs.	\$195.00 Drylot
		948 lbs.	\$186.00 Drylot
		950 lbs.	\$187.00 Drylot

NO CATTLE SALE FRIDAY, AUGUST 14TH

GOAT-SHEEP SALE SATURDAY, AUGUST 15TH • 1 PM NEW TIME

25 goats; 30 goats; 23 goats; 20 nannies; 35 goats; 50 lambs; 20 goats.

CAFE WILL BE OPEN

CATTLE SALE FRIDAY, AUGUST 21st

230 blk str, 900-975 lbs., grass; 16 blk/red, 600-750 lbs.; 30 blk, 750-850 lbs.

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

Eureka Livestock Sale

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

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

On Thursday, Aug. 5 we had 1,258 head of cattle on an active market.

STEERS		HEIFERS		BULLS	
10 bk red	464@266.25	42 mix	760@210.25	10 mix	502@220.00
19 bk bwf	552@245.00	35 red char	828@210.00	15 bk red	587@215.25
6 bk	544@241.00	13 bk red	794@210.00	4 bk	611@207.75
70 bk bwf	755@229.25	15 bk	831@209.75	5 bk red	667@207.00
20 bk bwf	766@227.50	13 bk bwf	918@204.75	29 bk red	773@202.25
5 red	646@226.00	14 mix	876@202.25	12 bk char	770@202.25
7 bk bwf	641@225.00	9 bk char	896@200.00	7 bk gray	712@198.25
9 bk	696@219.00	15 bk bwf	898@199.00	13 bk bwf	863@197.00
70 bk bwf	825@217.80	10 bk	824@197.00	5 bk red	851@191.50
7 bk	769@216.00	31 mix	1002@193.50	11 bk char	916@190.50
13 mix	776@213.50			10 bk	952@186.00
8 red	738@213.00	HEIFERS			
62 bk bwf	857@212.75	3 bk	383@252.00		
38 mix	839@212.75	2 bk char	413@251.00	2 bk red	398@290.00
46 bk bwf	840@212.00	24 bk red	475@239.50	3 bk red	538@238.00
122 bk bwf	868@211.10	5 bk	557@233.50	4 bk bwf	726@198.50
		8 bk bwf	596@221.00	4 bk	861@189.00

Butcher cows \$87-\$119 mostly \$105-\$115, very active. Butcher bulls \$115-\$145 mostly \$131-\$142, very active.

BUTCHER COWS		BUTCHER BULLS	
1 rbf	1440@119.00	1 bk	1780@145.00
1 bk	1125@119.00	1 bk	2035@143.50
1 bk	1525@118.50	1 bk	1990@143.00
1 brangus	1610@118.00	1 red	1960@142.00
1 rbf	1485@117.50	1 yellow	1655@141.00
1 red	1350@117.00	1 bk	1950@139.00
2 bk	1500@115.00		

EARLY CONSIGNMENTS FOR AUGUST 13:

- 175 fancy blk bwf few Red Angus X steers & heifers, 500-700 lbs., homeraised, vaccinated twice, weaned in April
- 100 black red steers & heifers, 600-750 lbs.
- 75 black red steers & heifers, 450-600 lbs.
- 70 black red steers & heifers, 550-750 lbs.
- 35 Red Angus SimX steers & heifers, 600-850 lbs.
- 100 mostly black steers, 750-900 lbs.
- 50 black steers, 700-775 lbs.
- 75 mostly black heifers, 800-900 lbs., open
- 40 black heifers, 775-850 lbs., open

EARLY CONSIGNMENTS FOR AUGUST 20:

- 300 mixed steers, 800-1,025 lbs.
- 70 black bwf steers & heifers, 500-600 lbs.

We appreciate your business!

Ron Ervin - Owner-Manager
Home Phone - 620-583-5385
Mobile Cell 620-750-0123

Austin Evenson- Fieldman
Mobile Cell 620-750-0222

If you have any cattle to be looked at call Ron or Austin

Holton Livestock Exchange, Inc.

1/2 mile East of Holton, KS on 16 Highway
Livestock Auction every Tuesday at 12 NOON
Serving the Midwest Livestock Industry for 64 Years!
******STARTING TIME: 12:00 NOON******

MARKET REPORT FOR TUESDAY, AUGUST 4, 2015
RECEIPTS: 877 CATTLE

STEERS		
2 blk char str	220@355.00	49 blk bwf str
2 blk str	357@290.00	3 red str
2 blk str	340@280.00	11 blk str
3 bwf blk str	426@266.00	22 blk str
4 blk bwf str	523@247.00	4 blk bwf str
5 blk str	567@244.50	7 rfw bwf str
21 blk red str	646@240.25	3 blk str
17 blk bwf str	645@237.00	
4 blk str	613@236.50	
6 blk str	566@236.50	
5 blk red str	658@236.00	
16 blk red str	640@234.00	
5 blk bulls	582@230.00	
4 herf str	553@227.00	
15 blk red str	722@224.00	
24 blk red str	739@224.00	
45 blk red str	751@223.00	
5 blk gry str	671@222.50	
34 blk bwf str	726@222.00	
8 blk str	622@221.00	
5 blk str	662@218.00	
5 blk str	773@215.00	
15 blk str	730@215.00	
20 blk str	782@214.00	
14 blk gry str	773@213.00	
67 blk red str	895@210.75	
22 blk str	812@210.00	

HEIFERS		
302@283.00		
483@243.00		
483@243.00		
535@233.00		
540@232.00		
570@231.00		
571@229.50		
596@223.00		
616@222.00		
623@221.75		
714@221.50		
652@215.00		
720@213.00		
683@210.50		
677@209.50		
729@206.00		
734@204.50		
727@199.00		
788@196.00		
718@188.00		

AUGUST 15--MACHINERY AUCTION FOR JIM & SANDY RICKEL, HOYT, KS (see last weeks G&G for full listing.)

Dan Harris, Auctioneer & Owner • 785-364-7137
Danny Deters, Corning, Auct. & Field Rep • 785-868-2591
Dick Coppinger, Winchester, Field Rep. • 913-774-2415
Steve Aeschliman, Sabetha, Field Rep. • 785-284-2417
Larry Matzke, Wheaton, Field Rep. • 785-268-0225
Craig Wischropp, Horton, Field Rep. • 785-547-5419

Barn Phone • 785-364-4114
WEBSITE: www.holtonlivestock.com
EMAIL: dan@holtonlivestock.com

View our auctions live at "Imauctions.com"

EL DORADO

LIVESTOCK AUCTION, INC.

316-320-3212
Fax: 316-320-7159
2595 SE Highway 54, P.O. Box 622,
El Dorado, KS 67042

Market Report - Sale Date 8-06-15 Head Count: 3,748

300-400 lb. heifers, \$225-\$288; 400-500 lb. steers, \$200-\$277; heifers, \$200-\$253; 500-600 lb. steers, \$190-\$261; heifers, \$190-\$237; 600-700 lb. steers, \$190-\$236; heifers, \$185-\$224; 700-800 lb. steers, \$180-\$234; heifers, \$180-\$208; 800-900 lb. steers, \$175-\$216.50; heifers, \$170-\$206; 900-1000 lb. steers, \$170-\$207.50.

Trend on Calves: Choice steer and heifers calves, steady. Trend on Feeder Cattle: Choice Feeder heifers, steady to \$3 higher. Butcher Cows: High dressing cows, \$105-\$120; Avg. dressing cows, \$95-\$105; low dressing cows, \$70-\$95. Butcher Bulls: Avg. to high dressing bulls, \$125-\$140.50. Trend on Cows and Bulls: Butcher cows, steady to \$3 higher; Butcher Bulls, steady

EARLY CONSIGNMENTS FOR AUGUST 13TH SALE: EXPECTING 800-1000

- 100 steers and heifers (fall calves), 625 lbs.
- 40 fall calves, 650 lbs.
- 70 fall calves, 700 lbs.
- 70 steer calves, weaned 45 days, 2 rounds shots, 700 lbs.
- 55 steers and heifers, 450-550 lbs.
- 65 heifers, 600 lbs.

EARLY CONSIGNMENTS FOR SPECIAL COW SALE AUGUST 20TH: EXPECTING 500-600 BRED COWS

- 70 Angus calf hood vaccinated replacement heifers
- 100 black/bb 1st calf heifers, will calve Sept/Oct.
- 40 red Angus 1st calf heifers, will calve in Spring
- 40 blk 3 yr old cows, fall calves
- Approx. 200 mostly blk, 3-5 yr old cows, fall calves
- Approx. 150 mostly blk, 4-7 yr old cows, fall calves

WATCH NEXT WEEK FOR MORE CONSIGNMENTS!

We welcome your consignments!

If you have cattle to consign or would like additional information, please call the office at 316-320-3212

check our website for updated consignments:
www.eldoradolivestock.com

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

Cattle Sale Every Thursday 11:00 AM

Withdraw South Africa's trade benefits, says NPPC

In comments submitted recently, the National Pork Producers Council asked the Obama administration to withdraw or at least limit preferential trade benefits for South Africa because of that country's reluctance to provide market access to U.S. pork.

"South Africa has shown that it is pleased to take advantage of U.S. preferential trade programs but is unwilling to extend even customary equitable treatment to imports of pork from the United States," said NPPC in comments to the Office of the U.S. Trade Representative.

South Africa gets duty-free access to the U.S. market for dozens of its products under the African Growth and Opportunity Act (AGOA) and the Generalized System of Preferences (GSP). In 2014, it shipped \$1.7 billion of goods to the United States under AGOA and \$1.3 billion under the GSP

program.

NPPC noted that South Africa enforces "harsh and unjustifiable" import restrictions on U.S. pork to prevent diseases for which there is a negligible risk of transmission from U.S. pork products. The South African Ministry of Agriculture, for example, imposes time and temperature requirements on U.S. pork as mitigation for trichinae, which is nearly non-existent in the U.S. commercial hog herd.

The organization pointed out that the U.S. Department of Agriculture has offered to certify that pork exported to South Africa would only come from farms participating in the U.S. pork industry's Pork Quality Assurance Plus program, which includes biosecurity measures to prevent exposure of pigs to sources of trichinae. Although the certification has been accepted by a number of other countries, it

has been rejected by South Africa. South Africa is maintaining trade barriers, said NPPC, despite overwhelming evidence that they are unsupported by international standards or any legitimate scientific or World Trade Organization-legal justification and is making no effort to lift them.

"We have undertaken efforts to accommodate South African demands even though we know and its officials know that they are unnecessary," NPPC said. "We have done this with enormous trepidation because of the risk that other countries will see the South African approach as a model for how to restrict imports without raising tariffs. But it is time to draw the line.

"We believe that South Africa's eligibility for benefits under AGOA should be withdrawn," NPPC concluded.

Kansas State University College of Veterinary Medicine researcher helps discover novel fatigue syndrome in feedlot cattle

Researchers at Kansas State University's College of Veterinary Medicine, in collaboration with colleagues at Iowa State University and Texas Tech University, have discovered a novel fatigue syndrome affecting

feedlot cattle. The syndrome is similar to one affecting the swine industry.

The researchers' landmark paper, "Description of a novel fatigue syndrome of finished feedlot cattle following transportation," ap-

peared as a special report in the July 15 issue of the *Journal of the American Veterinary Medical Association*.

Co-authors are Dan Thomson, Jones professor of production medicine in the College of Veterinary

Medicine and director of the Beef Cattle Institute at Kansas State University; Jamie Henningson, a diagnostic pathologist, and Bhupinder Bawa, a former pathology resident, both with the Kansas State Veterinary Diagnostic Laboratory; Guy Loneragan, professor of food safety and public health at Texas Tech University; and Steve Ensley, a veterinary clinician and toxicologist at Iowa State University.

"This syndrome has been identified in the swine industry and had not been identified in cattle until our work that started in 2013," Thomson said. "Our landmark paper places an emphasis on cattle stress at the end of the feeding period with items such as heat load, animal size, cattle handling at shipping, time of day of shipping, animal transportation and other issues that could be causing stress of large cattle during the summer time."

The study was spurred by observations made during summer 2013. Abattoirs throughout the United States reported concerns about slow and difficult-to-move cattle and other mobility problems that developed soon after arrival at the facilities. Affected cattle had various clinical signs, including rapid

breathing with an abdominal component to respiration, lameness and reluctance to move. Many of the cattle affected with mobility problems had clinical signs similar to those of pigs with fatigued pig syndrome, a multifactorial condition in which affected pigs become nonambulatory without obvious injury, trauma or disease, and refuse to walk.

"I think this paper is the first publication of the interaction between beta-agonists and lameness issues in cattle," Ensley said. "The beta-agonists are widely used in cattle and pig feeding and there is very little information about adverse effects. More work needs to be done, but this is a great start."

Beta-agonists are supplements fed to cattle.

Part of the pathophysiology points to a metabolic overload of sorts that result in or from respiratory insufficiency and muscle damage, Loneragan said.

"While we don't know the cause, it appears to be multifactorial in nature, but warrants further investigation," Loneragan said. "It is important to be able to share case reports like the ones described. While it is not always as thorough as a case report of hospitalized animals, these field-based

observations are nevertheless of value and under Dr. Thomson's leadership, we were able to dig relatively deeply into these events and provide a report to share with our profession."

Also described in the manuscript is a problematic condition — possibly an extreme endpoint of the fatigued cattle syndrome — where animals sloughed one or more hooves.

"Based on microscopic examination, this appears to be a distinct condition and is likely not laminitis resulting from dietary disturbances," Loneragan said. "It is clear this results in intense pain for the animals. The abattoir companies have decided that events like these are unacceptable, and I applaud their dedication and commitment to protecting the welfare of the animals they depend on for their business and we depend on for food."

The study concludes it would be imperative for the beef industry and affiliated veterinarians to learn quickly as much as possible about fatigue cattle syndrome so measures can be implemented to prevent the condition, or at least minimize its impact on cattle welfare.

The study was funded internally.

Grass & Grain Weather Report Aug. 11, 2015

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook																																																																								
<p>TUESDAY Mostly Sunny High: 86 Low: 64</p> <p>WEDNESDAY Sunny High: 87 Low: 66</p> <p>THURSDAY Sunny High: 89 Low: 65</p> <p>FRIDAY Mostly Sunny High: 90 Low: 68</p> <p>SATURDAY Partly Cloudy High: 89 Low: 68</p> <p>SUNDAY Partly Cloudy High: 88 Low: 69</p> <p>MONDAY Mostly Sunny High: 92 Low: 71</p>	<p>Today we will see mostly sunny skies with a high temperature of 86°, humidity of 48%. The record high temperature for today is 113° set in 1930. Expect mostly clear skies tonight with an overnight low of 64°. The record low for tonight is 49° set in 1915. Wednesday, skies will be sunny with a high temperature of 87°.</p> <p style="text-align: center;">Last Week's Almanac</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Hi/Lo</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr> <td>7/30</td> <td>88/64</td> <td>93/68</td> <td>0.00"</td> </tr> <tr> <td>7/31</td> <td>93/63</td> <td>93/67</td> <td>0.00"</td> </tr> <tr> <td>8/1</td> <td>94/68</td> <td>93/68</td> <td>0.00"</td> </tr> <tr> <td>8/2</td> <td>96/72</td> <td>93/67</td> <td>0.00"</td> </tr> <tr> <td>8/3</td> <td>96/70</td> <td>93/67</td> <td>0.00"</td> </tr> <tr> <td>8/4</td> <td>90/71</td> <td>93/67</td> <td>0.37"</td> </tr> <tr> <td>8/5</td> <td>84/69</td> <td>93/67</td> <td>0.21"</td> </tr> </tbody> </table> <p>Rainfall last week: 0.58" Normal rainfall: 0.77" Departure from normal: -0.19" Average temp last week: 79.9° Average normal last week: 80.1° Departure from normal: -0.2°</p> <p style="text-align: center;">This Week's Sun & Moon Chart</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Day</th> <th>Sunrise</th> <th>Sunset</th> <th>Moonrise</th> <th>Moonset</th> </tr> </thead> <tbody> <tr> <td>Tuesday</td> <td>6:36 a.m.</td> <td>8:26 p.m.</td> <td>3:54 a.m.</td> <td>6:23 p.m.</td> </tr> <tr> <td>Wednesday</td> <td>6:37 a.m.</td> <td>8:25 p.m.</td> <td>4:49 a.m.</td> <td>7:05 p.m.</td> </tr> <tr> <td>Thursday</td> <td>6:38 a.m.</td> <td>8:23 p.m.</td> <td>5:46 a.m.</td> <td>7:43 p.m.</td> </tr> <tr> <td>Friday</td> <td>6:39 a.m.</td> <td>8:22 p.m.</td> <td>6:43 a.m.</td> <td>8:18 p.m.</td> </tr> <tr> <td>Saturday</td> <td>6:39 a.m.</td> <td>8:21 p.m.</td> <td>7:39 a.m.</td> <td>8:50 p.m.</td> </tr> <tr> <td>Sunday</td> <td>6:40 a.m.</td> <td>8:19 p.m.</td> <td>8:35 a.m.</td> <td>9:20 p.m.</td> </tr> <tr> <td>Monday</td> <td>6:41 a.m.</td> <td>8:18 p.m.</td> <td>9:30 a.m.</td> <td>9:50 p.m.</td> </tr> </tbody> </table>	Date	Hi/Lo	Normals	Precip	7/30	88/64	93/68	0.00"	7/31	93/63	93/67	0.00"	8/1	94/68	93/68	0.00"	8/2	96/72	93/67	0.00"	8/3	96/70	93/67	0.00"	8/4	90/71	93/67	0.37"	8/5	84/69	93/67	0.21"	Day	Sunrise	Sunset	Moonrise	Moonset	Tuesday	6:36 a.m.	8:26 p.m.	3:54 a.m.	6:23 p.m.	Wednesday	6:37 a.m.	8:25 p.m.	4:49 a.m.	7:05 p.m.	Thursday	6:38 a.m.	8:23 p.m.	5:46 a.m.	7:43 p.m.	Friday	6:39 a.m.	8:22 p.m.	6:43 a.m.	8:18 p.m.	Saturday	6:39 a.m.	8:21 p.m.	7:39 a.m.	8:50 p.m.	Sunday	6:40 a.m.	8:19 p.m.	8:35 a.m.	9:20 p.m.	Monday	6:41 a.m.	8:18 p.m.	9:30 a.m.	9:50 p.m.	<p style="text-align: center;">Today's Local Outlook</p> <p>Washington 84/63</p> <p>Blue Rapids 84/62</p> <p>Seneca 84/62</p> <p>Clay Center 85/64</p> <p>Manhattan 86/64</p> <p>Ogden 86/64</p> <p>Wamego 85/63</p> <p>Junction City 85/64</p> <p>Abilene 87/65</p> <p>Council Grove 85/64</p>
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Monday	6:41 a.m.	8:18 p.m.	9:30 a.m.	9:50 p.m.																																																																						

Local UV Index	Weather History	Growing Degree Days																				
<p>0-2: Low, 3-5: Moderate, 6-7: High, 8-10: Very High, 11+: Extreme Exposure</p>	<p>Aug. 11, 1988 - Moisture from what remained of Tropical Storm Beryl resulted in torrential rains across eastern Texas. Twelve and a half inches of rain deluged Enterprise, Texas, which was more than the amount received there during the previous eight months.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Degree Days</th> <th>Date</th> <th>Degree Days</th> </tr> </thead> <tbody> <tr> <td>7/30</td> <td>26</td> <td>8/3</td> <td>33</td> </tr> <tr> <td>7/31</td> <td>28</td> <td>8/4</td> <td>30</td> </tr> <tr> <td>8/1</td> <td>31</td> <td>8/5</td> <td>26</td> </tr> <tr> <td>8/2</td> <td>34</td> <td></td> <td></td> </tr> </tbody> </table>	Date	Degree Days	Date	Degree Days	7/30	26	8/3	33	7/31	28	8/4	30	8/1	31	8/5	26	8/2	34		
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8/2	34																					

Sell At St. Marys

Cattle By Auction STARTING TIME 10:30 AM Tuesdays

We sold 1359 cattle August 4. There was good demand for steer and heifer calves at prices that were steady to higher. Feeder steers and heifers were steady to \$3.00 higher. Cows and bulls were steady.

<p>STEER & BULL CALVES</p> <p>6 blk str 509 @ 267.00</p> <p>3 mix str 540 @ 264.00</p> <p>1 blk str 405 @ 260.00</p> <p>7 wf/blk str 521 @ 258.00</p> <p>3 red/blk bulls 442 @ 258.00</p> <p>3 blk str 480 @ 252.00</p> <p>1 blk bull 350 @ 250.00</p> <p>1 blk bull 405 @ 242.00</p> <p>1 wf str 515 @ 240.00</p> <p>3 blk bulls 520 @ 225.00</p> <p>STOCKER & FEEDER STEERS</p> <p>7 blk/bwf str 573 @ 258.00</p> <p>6 blk str 621 @ 255.00</p> <p>33 blk str 592 @ 251.75</p> <p>3 blk str 638 @ 248.00</p> <p>33 mix str 675 @ 238.25</p> <p>4 blk/bwf str 663 @ 238.00</p> <p>17 mix str 615 @ 234.00</p> <p>15 blk/bwf str 667 @ 233.00</p> <p>73 blk str 775 @ 228.00</p> <p>130 blk str 781 @ 228.00</p> <p>25 blk str 723 @ 226.00</p>	<p>69 mix str 731 @ 225.25</p> <p>59 blk str 740 @ 224.50</p> <p>12 blk str 702 @ 220.00</p> <p>51 x-bred str 838 @ 216.85</p> <p>59 blk str 824 @ 216.00</p> <p>27 blk/red str 765 @ 214.75</p> <p>7 blk str 784 @ 214.75</p> <p>22 blk str 828 @ 214.25</p> <p>42 blk str 885 @ 213.85</p> <p>29 blk str 825 @ 212.50</p> <p>58 blk str 935 @ 212.10</p> <p>20 x-bred str 740 @ 211.50</p> <p>7 blk/bwf str 796 @ 210.00</p> <p>54 blk str 940 @ 209.00</p> <p>52 mix str 961 @ 207.00</p> <p>20 x-bred str 853 @ 200.00</p> <p>50 mix str 1005 @ 198.35</p> <p>HEIFER CALVES</p> <p>1 blk hfr 515 @ 242.00</p> <p>2 blk/bwf hfr 465 @ 236.00</p> <p>1 blk hfr 475 @ 235.00</p> <p>2 blk/red hfr 518 @ 233.00</p> <p>1 blk hfr 535 @ 233.00</p>	<p>5 blk hfr 540 @ 233.00</p> <p>7 x-bred hfr 526 @ 255.00</p> <p>STOCKER & FEEDER HEIFERS</p> <p>16 blk hfr 589 @ 231.50</p> <p>4 blk hfr 576 @ 227.00</p> <p>12 blk/red hfr 588 @ 225.00</p> <p>15 blk hfr 618 @ 223.00</p> <p>4 blk/bwf hfr 601 @ 221.00</p> <p>21 blk hfr 671 @ 218.25</p> <p>39 blk hfr 656 @ 218.00</p>	<p>7 blk hfr 680 @ 217.50</p> <p>4 blk/sim hfr 639 @ 216.00</p> <p>61 mix hfr 721 @ 212.50</p> <p>53 mix hfr 739 @ 209.10</p> <p>12 blk/red hfr 729 @ 208.25</p> <p>18 x-bred hfr 654 @ 202.50</p> <p>4 blk/red hfr 693 @ 200.00</p> <p>15 blk/red hfr 761 @ 200.00</p> <p>1 blk bred cow @ 1950.00</p> <p>1 sim cow 1430 @ 117.50</p> <p>1 char cow 1255 @ 115.50</p> <p>1 blk hfr 955 @ 112.50</p> <p>1 blk cow 1450 @ 105.00</p> <p>1 blk cow 1295 @ 102.50</p> <p>1 blk cow 1560 @ 100.00</p> <p>BULLS</p> <p>1 blk bull 1950 @ 146.50</p> <p>1 blk bull 1920 @ 143.00</p> <p>1 blk bull 2140 @ 141.00</p> <p>1 blk bull 1920 @ 136.00</p>
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CONSIGNMENTS FOR AUG. 11

- 100 Hereford heifers, 750-800 lbs., OCV'd
- 100 Hereford steers, 700-800 lbs.
- 425 blk Charolais steers, 650-800 lbs.

ALL THE ABOVE OFF GRASS, NO IMPLANTS, VACCINATED, FROM BRAINARD CATTLE CO.

- 20 black steers, 700-725 lbs.
- 40 blk Charolais str, 725-750 lbs., off grass
- 65 black steers, 775-800 lbs., off grass
- 62 black steers, 850-875 lbs., off grass
- 65 black steers, 850-875 lbs., off grass
- 124 blk Char steers, 850-875 lbs., off grass
- 60 red Angus X str, 925-950 lbs., off grass, Northern origin
- 61 black crossbred steers

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

CONSIGNMENTS FOR AUG. 18

- 100 Hereford steers, 700-800 lbs.
- 425 black Charolais steers, 650-800 lbs.

All above cattle off grass, no implants, vaccinated, from Brainard Cattle Co.

- 200 Angus & bwf str & hfr, 650-850 lbs., vacc.
- 70 blk bwf str & hfr, 550-650 lbs., vacc.
- 70 black heifers, 700-725 lbs., off grass
- 65 black steers, 800-825 lbs., off grass

CONSIGNMENTS FOR AUG. 25

- 120 Angus Gelv X str & hfr, 550-750 lbs., weaned, vaccinated

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

FOR INFORMATION OR ESTIMATES:

REZAC BARNST. MARYS, 785-437-2785	LELAND BAILEY . . .TOPEKA, 785-286-1107
DENNIS REZACST. MARYS, 785-437-6349	LYNN REZACST. MARYS, 785-456-4943
DENNIS' CELL PHONE785-456-4187	REX ARBMELVERN, 785-224-6765
KENNETH REZAC . . .ST. MARYS 785-458-9071	

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

Website: www.rezACLIVESTOCK.com

AUCTIONEERS: DENNIS REZAC & REX ARB

RezAC

Livestock Commission
Company, Inc.
St. Marys, Ks.