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Hungarian refugee finds home on Kansas farm – fights Communism in U.S. army

By Donna Sullivan, Editor

When Nick Edvy fed the cattle and pigs before school each day in the late 1950s, he wasn't your typical teenager pulling his weight on the family farm. When he attended class each day at Luckey High School, he had much more on his mind and more life experience under his belt than his peers could begin to imagine. While they may have chafed under their parents' rules, he remembered a mother in a distant country and a father whose fate he didn't know.

Edvy's story is one of a young boy who found the courage to battle Communism not once, but twice in his life – first as a Hungarian teenager in the country's revolution, then as an American citizen fighting in the Vietnam war.

Now he is retired from a career with the Riley County Police Department, enjoying life with Peggy, his wife of 51 years, traveling the country on their motorcycles or in their motor home. He suffers from the effects of the Agent Orange used in Viet Nam, but looks back on his time in the service as a young man doing what needed to be done for his country.

But before that, he was just a boy.

Having just graduated from high school at 13 years old, common in Hungary, Edvy was now considered an adult. At the urging of an uncle who was an officer in the Communist Hungarian armed forces, he entered the military school to study coal mining engineering. Although he was a baptized Catholic, Edvy was told he would receive more money if he went to the Communist school, so he agreed. He began classes in June, 1956. Then on October 23 of that same year, the revolution was started by the factory workers in Budapest. The



Having fled Hungary, 14-year-old Nick Edvy was adopted by a farming family in Wamego, where he pitched in with chores before school each day. *Courtesy photos*

military school was activated to fight against the revolutionaries.

While the money was an alluring factor of the Communist party in the beginning, the Revolution changed everything. "When it came that I had to fight against my own people, I said 'No way,'" Edvy recounts.

He and several others stole guns and ammunition and deserted the military school, traveling to Budapest to join the Revolution. Because he'd had friends that spoke Russian and the language was spoken at his high school, Edvy and the other teenagers with him were able to mill around the Russian soldiers and glean valuable information to take back to the Hungarian fighters. They slept in basements of churches and schools or wherever else they could find.

About a month later they were riding in a jeep in Budapest when a Russian soldier shot and killed the driver, causing the jeep to hit a wall. Edvy and the others bailed out, but were soon captured. Because of his military ID card, they quickly learned that he had escaped the military school and took him back to face court martial for stealing guns and ammunition and for fighting with the Revolution.

Back at the school they locked him alone in a classroom to await the court martial. "There were two guards marching back and forth in front of the school," Edvy remembers. "Every time they would pass each other, they would stop and talk. I could see what was going on and I thought, 'I have to get out of here because if I don't they're going to put me into



Driving a tractor was a novelty for Nick, because in Hungary, cattle were used for farming jobs.

ing, then began making his way toward the river and the border just beyond. It was mid-November, they'd had a recent rain and the river was wide and cold. "I swam and got to the other side," he remembers. "I didn't know if I was still in Hungary or if I was in Austria." He soon saw the headlights of a jeep coming toward him. "I said, 'I don't care who it is, just help me, pick me up,'" It was the Austrian border patrol who realized he was a Hungarian refugee and took him to a hospital where he stayed for three days before being moved to a house where many other Hungarian families were staying. He soon traveled with them to Germany, where he filled out papers to go to France, since he knew he couldn't go back to Hungary. France refused him because he didn't have any family to sponsor him.

He made his way to the highway, looking for a ride back to his hometown. A driver took him as far as the Russian Air Force base, which was right next to the town, and dropped him off. He spoke to the guard and talked him into finding a ride that took him across the Air Force base and dropped him off. He walked about three miles into town, and went to his mother's house. She had no idea he had even left the military school, but now recognized her son was in grave danger. He spent the night at a friend's house in case the military came looking for him, and the next day, with money his mother had given him for groceries, he joined a group of about five other young men who were fleeing the country.

They boarded a train for Austria, but the closer they got, the more scrutiny Edvy seemed to be attracting. He told his friends he needed to get off the train before they figured out who he was and what he'd done. So they all got off the train at the next town and began walking toward the border.

It was getting late in the evening, and it was dark when they reached the river. "All of a sudden the lights came on and there was gunfire," Nick says. The boys scattered in different directions to hide. Edvy went back into the forest and hid until about 4:30 in the morn-

ers that came through first. About a week later, three days before Christmas he flew from Germany to Canada to New York. Because juveniles cannot be left on their own in the United States, there was a question of what would happen to Edvy and other young refugees. The answer came in the form of a Catholic couple from Wamego who adopted Edvy and Steve, a boy two years older. "So we became brothers," Edvy said. A three-day train ride took them to Kansas City where they were met by a Hungarian priest who introduced them to their adoptive parents, Fred and Margaret Kilian.

He describes his first glimpse of the farm that would become his new home. "It was a big two-story house and it had two big tubes coming out of the ground," he says. "All of a sudden, kids were coming out of the tubes. They were

silos and they were loading the cattle feed into them."

Fred Killian was a farmer who also had a college degree and was an organizer of the National Farmers Organization (NFO) and Margaret was a music teacher. They had a son two years older than Edvy, and two sons and a daughter that were younger than him. "So we became a family," he said. Not that the process was without its challenges. The language barrier was a huge obstacle, which was overcome with the help of a K-State professor who had been an FBI agent and spoke ten different languages and his wife, who was a second-generation Hungarian born in Ohio. They also helped the brothers obtain American citizenship in 1963.

Since they were of high school age, it seemed fitting to the Kilans that the boys enroll at the nearby Catholic school. "There were nuns

Continued on page 3



Nick displays medals, photos and badges from his time in the United States Army, serving a tour in Vietnam.
Photo by Donna Sullivan



It's about the residue

By John Schlaeck,
Kansas Farm Bureau

Two, three and four decades ago, most farmers took great pride and pleasure in looking across their recently planted fields and seeing green seedlings emerging against a backdrop of black soil. That looked beautiful then. Still does.

Today, some farmers look across their land and see residue cover. That looks beautiful, too.

The benefits of residue can far exceed the way the field looks. In case you don't know, residue cover is developed without tillage across today's Kansas countryside.

This buildup of soil structure with the remains of crop field stubble and other residue can be a farmer's best friend. Unfor-

mity is the key to a successful no-till farming system.

When producers think of uniformity, they should think of it every day of the year. When they look at their fields they should see uniformly spread residue, uniform soil conditions and uniform soil moisture.

This same uniformity is something producers must work at continually over the long haul. Members of the Thompson Farm & Ranch in Norton County understand this concept. Richard and sons, Michael, and Brian, represent the fifth and sixth generations to farm in northwestern Kansas.

On their family farming operation, they focus on their most important resource - the soil. They know their livelihood is dependent upon it being healthy and productive. They be-

lieve their soil not only needs to be conserved, but rejuvenated with best management practices such as rotational grazing, cover crops and no-till.

The Thompsons have been continuously no-tilling since 2000 when they gave up conventional tillage.

"The most difficult time for those beginning no-till occurs during the first three to five years," Michael says. "That's when anything and everything that can go wrong, will go wrong. Believe me, I know. We've experienced it."

Producers tend to blame these problems on no-till without realizing it is something in their system.

"That's why you need a friend or another producer who has been successful at no-till to share his (or her) experience with you," he says. "You can't afford to make all the mistakes by yourself."

The Thompsons understand a producer cannot go back to conventional tillage to level residue. Level residue begins at harvest time with uniform distribution of straw and chaff. If a

producer has clumps, piles and bunches of the residue from a crop, the next implement that goes through the field will plug up.

Cover crops have also helped the family reduce the number of chemical applications applied in a season and the need for pesticides.

"The residue of cover crops provides an armor for the soil by buffering the impact of rain and creating a protective layer to reduce weed pressure," Michael says. "They also create habitat for wildlife, pollinators and beneficial insects."

So often producers worry about how much rain they receive.

"We like to keep, and use, the moisture where it falls," Michael says. "That's where cover crops and residue are critical."

The use of cover crops has also helped provide their cattle operation with supplemental grazing. The Thompson family uses high-stock density grazing with daily moves. While cattle are grazing cover crops it al-

lows their native range much needed rest and recovery, allowing more grass to be grown on their range acres.

The family continues to add windbreaks, and have begun work on a more permanent water facility for their cattle.

While it's hard to figure exactly how much extra moisture the Thompsons gain with the use of their no-till program, it may be the equivalent to five extra days of moisture each year.

Regardless, the use of continuous no-till farming makes their system work and causes buildup of the soil structure.

The Thompsons label no-till in conjunction with cover crops a win-win situation. That includes their cropping and livestock operation.

John Schlaeck 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.

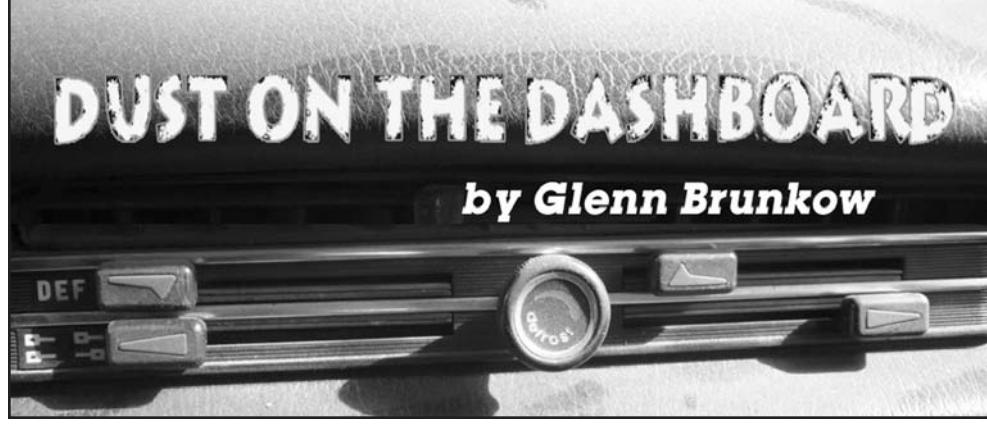
Guest Editorial

By Chip Bowling,
National Corn Growers
Association chairman, U.S.
Farmers & Ranchers
Alliance board member,
grain farmer from Newburg,
Maryland

I write to you today, speaking for an organization that first and foremost believes in open dialogue, to simply restate and expand on U.S. Farmers & Ranchers Alliance's (USFRA's) recent communication with Dannon regarding its plans to deselect GMOs. USFRA does support a consumer's choice to purchase the foods they prefer. Equally, we support a farmer's choice to plant and grow conventional crops, genetically modified crops, organic crops, or any combination. On behalf of my fellow farmers and ranchers, however, what we cannot support is disingenuous marketing claims that mislead consumers about the safety and sustainability of GMOs and other farming practices.

This effort to deselect GMOs - done in the name of sustainability - misleads consumers about the sustainability of today's biotechnology enhanced crops. In fact, GMOs promote sustainability because they allow farmers to be better stewards of the water, soil, air, and habitat on and around their land. Since the introduction of GMO crops, farmers have decreased the use of insecticides while dramatically expanding the use of no-till or minimum tillage practices that promote soil and environmental health, and reduce fossil fuel use. That is why we consider Dannon's marketing claim to be not only deceptive to consumers, but also potentially restrictive to our ability, as farmers, to choose the best management practices needed for raising food.

As farmers and ranchers, we strive for, and



I guess the party must be over because the cows are coming home. Get it? We partied until the cows came home. I guess it is true, my family tells me that if I must explain a joke (and I often do) it is not all that funny (and most of the time they aren't). Bad joke or not, we have started bringing the cows home and that included old number 87.

Last Saturday we hauled cows home from one of our rented pastures and old number 87 was one of those cows. She is legendary for being hard to catch, but also a pretty good mama and has raised many nice calves, so we put up with her aloofness. Compound that with the fact that she had not been that hard to catch lately and maybe we were lulled to sleep.

The day was difficult from the start. The wind had picked up and the cows did not hear Dad calling them to begin with and required Jennifer and I to get behind them. The cows were strung out farther than we would have liked, but more importantly, it tipped old number 87 off that something was up. We got the cows bunched up and it seemed to be going much better right up until we got to the catch pen.

That is when old number 87 and two of her protégées veered off and made a hard left. They proceeded to go down the outside of the wing on the catch pen and taunt the other cows. Fortunately for us their calves did not follow suit and willingly walked into the pen. The gate was shut and we decided to try to walk them into the pen. This was very hard because the pen was bursting at the seams with all the "good" cows.

Three different times we walked them right up to the gate only to have them separate at the last minute. Then they would turn and calmly walk between us, stopping just a few yards away from the pen. We changed tactics and Dad got a flake of hay out and coaxed the cows in with the hay in his hand. Once again the cows got tantalizingly close only to split and walk away when Dad ran out of hay.

We decided to set up a new temporary catch pen on the other side of the pen. Dad once again lured the cows in with another

flake of hay (at this point I was sure they were just holding out for more alfalfa). The "good" cows in the pen stared out jealously as the "outlaws" munched on the sweet rewards of civil disobedience. This time Dad got the two rookie cows in the pen only to have old number 87 turn at the last minute and flee to the open range. The gate was shut, leaving only old number 87 on the lam (I wonder if cows hate us using that term).

We decided to ignore her and haul a few loads home. During this time, she never went more than 100 yards away and always seemed interested in the pen. While Dad and I hauled a load in, Jennifer worked her up to the pen with the pickup. Twice old number 87 went into the pen easily only to turn and walk out at Jennifer tried to get out of the pickup and beat her to the gate. It was soon decided that when we caught her she would be next appearing at a McDonald's near you, not as old number 87 but as a number 3 on the Extra Value Menu.

We hauled the next-to-last load and returned just in time to see Jennifer working old number 87 into the pen (old number 87 may be stubborn but she had met her match in Jennifer). When I came to a stop I just happened to be near the gate and with surprising speed and stealth I blocked the hole before old number 87 knew what was happening (or more likely she gave herself up).

She was caught just in time to go out on the last load. Upon reflection, we realized this was the very thing she did every time. She never ran off, was never wild and always let herself get caught right before the last load. In other words, she did not stand in a crowded pen, got to move around and by the time we caught her, had eaten most of a bale of alfalfa. She did have a nice heifer calf, a good candidate for being a replacement (we have three of four of her daughters in the herd, none of which are hard to catch). There was the distinct possibility that she was smarter than the average cow (or rancher) and why cull her when her only crime was being brilliant? We were not going to need to catch her again until next spring.

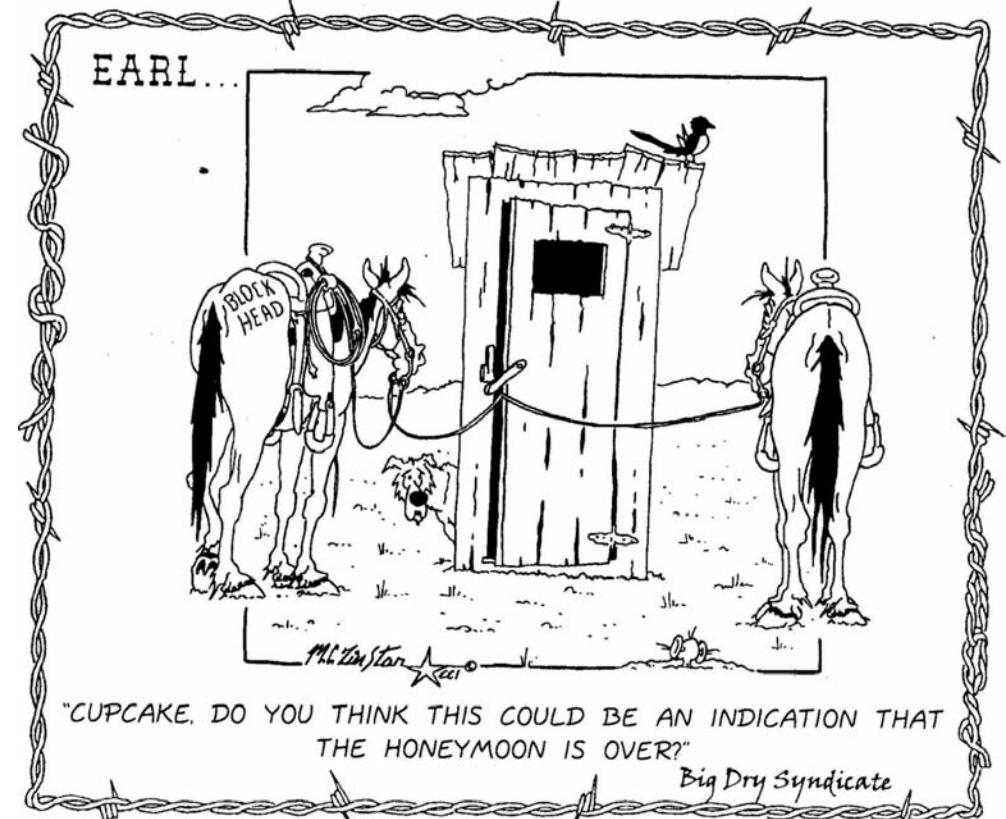
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"CUPCAKE. DO YOU THINK THIS COULD BE AN INDICATION THAT THE HONEYMOON IS OVER?"

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strongly support, open, honest and transparent engagement with consumers and food companies. We are committed to providing healthy choices for all consumers—at the same time that we're being asked to improve environmental quality. We cannot do both, however, if companies such as Dannon restrict our ability to use the technologies that have helped us improve food production and environmental quality. Moving forward, USFRA will work to protect the shared interests of consumers and farmers by challenging misleading marketing claims from food companies. Real sustainability starts on the farm, and we intend to hold companies accountable for misleading statements that don't acknowledge this reality.

Free BQA certification period ending November 13

The countdown continues for beef and dairy producers to become Beef Quality Assurance (BQA)-certified for free online through Nov. 13. As an added bonus, anyone who becomes certified during this period is eligible to win a prize package, courtesy of Boehringer Ingelheim Vetmedica, Inc. and the BQA program, funded in part by the beef checkoff.

Boehringer Ingelheim Vetmedica, Inc. will pick up the \$25-\$50 online training fee for every person completing BQA training through Nov. 13. That includes anyone who works with cattle – whether they be beef- or dairy-focused. Visit <http://www.bqa.org/certification> to take advantage of the open certification period.

To learn more about your beef checkoff investment, visit www.MyBeefCheckoff.com.



Hungarian refugee finds home on Kansas farm – fights Communism in U.S. army

Continued from page 1

and I recognized them, but I didn't recognize what they were learning except for algebra and chemistry since they are pretty standard," Edvy said. He and Steve went to different classes until May, looking for what seemed familiar to them. But having already finished high school once, Steve wasn't game for doing it again and joined the army. Edvy tested out of his sophomore year and went on to complete his junior and senior requirements and graduated from Luckey High School. Steve was sent to Germany while Edvy decided to give college a try and enrolled at Kansas State University. "I didn't like it," he admitted. "I was dumb as a rock and I said 'that's it' and I got out of college." He began working for a construction company and at Holiday Inn and soon met Peggy.

Then in 1965 he received his draft notice from the United States Army. After two days at Ft. Leonard Wood, where he was grilled about his communist ties and answered honestly, a captain looked him in the eye and said, "Son, if you lie, you know you go to prison."

"Check me out all you want," Edvy replied.

"So they kicked me out of the army and sent me home," he said.

He then married Peggy and joined the Riley County Police Department after a friend recommended him to the Police Chief. "We discussed it for a couple of hours and the next thing I knew he gave me a badge, a gun and a uniform and told me to come back the next night at 10 and a sergeant would tell me what to do. And I did."

It was exactly one year later that he received another draft notice. They had

checked his story, found it to be true and now wanted him in the army. After basic training at Ft. Leonard Wood, he found himself in the jungles of Vietnam. Soon he received a letter from Steve, saying that he was about to get out but would re-enlist if they would send him to Vietnam. Edvy discouraged his brother, having experienced the country first-hand.

"You know, that's why we fought in the revolution in Hungary, against the communists, and these are communists," was Steve's reply.

Nick didn't hear anymore on the subject from Steve, but a few months later, when he returned from a mission hauling supplies in the jungle, he picked up an issue of the *Stars and Stripes* newspaper and saw the headline, "Hungarian refugee killed in Vietnam." That refugee was his brother Steve. A month later he received a letter from Peggy and the Kilians saying that although his body had been sent to Hungary for burial, the government refused to accept it since he had fought in the revolution and was considered a traitor. The Kilians had his body sent back to Kansas and he was buried in Wamego.

Following his tour of duty in Vietnam, Edvy returned to Manhattan and his job with the police department, where he advanced to the rank of captain. Peggy was teaching American History, Sociology and Spanish at Onaga High School, and he gave talks about the war to her classes, as well as others in the area. "I was so busy at the police force for the next 35 years, I didn't think much about Vietnam or about the revolution," he admitted.

In 1974 he returned to Hungary for the first time and was able to visit his mother and siblings. On that trip he also learned that his father had died in Siberia after having been held captive from 1945 through

sometime in the '60s for fighting with the allies of Germany in WWII. Edvy had been just six months old the last time his father had returned back home. While there he also learned that he was still a wanted man in Hungary for fighting with the Revolution and for killing the guard.

He visited Hungary a second time and continued to correspond with his family over the years.

Now retired, Nick and Peggy now spend their days like any other American couple. They both enjoy music and participate in many local jam sessions, with Peggy singing and playing the guitar or mandolin, and Nick playing the harmonica and running sound. They winter in Texas, where they find more groups to jam with.

A veteran who fought for the countries he loved – Nick Edvy embodies the spirit of service and patriotism that is seen in veterans all over the United States, whom we thank and honor this Veteran's Day.

Deer Management on Private Lands meeting set for November 16th in Parsons

Once fall comes around, every deer hunter and outdoorsman finds more motivation and enthusiasm to spend time in the woods. The thrill of anticipating getting a shot off at a monster buck is electrifying. Some hunters just seem to have big deer in their area, others declare they are plagued with spikes and still others simply say they are overrun with the wary whitetail. To provide information on maintaining a healthy deer population in the area, the K-State Research and Extension, Wildcat District is offering a deer management meeting.

The Deer Management on Private Lands meeting will feature the K-State Research and Extension Wildlife specialist Charlie Lee on November 16th at 6:00 p.m. It will be located at the Parsons Southeast Research and Extension Center located along Highway 400 at the intersection of Ness/32nd Street (25092 Ness Road, Parsons).

The meeting will begin with a sponsored meal, and then Lee will give a brief biology and overview of the whitetail deer. He will then discuss habitat evaluation, deer diseases and antler growth. He will also touch on food plots and feed supplements. In addition, he will leave time for a question and answer session to address any local questions or concerns.

To register for the meeting, or for more information, contact Jeri Geren, Wildcat Extension District Crop Production Agent by November 10th, at jlsigle@ksu.edu or (620) 331-2690.

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This Week's Grass & Grain Contest Winner Is Barbara Barthol, Olathe

Winner Barbara Barthol, Olathe:
LEMON PUDDING CAKE

1 lemon cake mix
3-ounce box lemon pudding (not instant)
4 eggs
1/2 cup oil
3/4 cup water
1 tablespoon lemon juice
2 cups powdered sugar

Mix together cake mix, dry pudding mix, eggs, oil and water. Pour into greased 9-by-13-inch pan and bake at 350 degrees for 40 minutes. Remove from oven and pour mixture of powdered sugar and lemon juice over warm cake. Cool before cutting.

Millie Conger, Tecumseh:
MACARONI & CHEESE
2 cups uncooked macaroni
1/4 cup butter
1/4 cup flour
1/2 teaspoon salt
1/4 teaspoon pepper
1/4 teaspoon dry mustard
1/4 teaspoon Worcestershire sauce
2 cups milk
2 cups shredded Cheddar cheese

Heat oven to 350 degrees. Cook macaroni. Melt butter in 3-quart saucepan over low heat. Stir in flour, salt, pep-

per, mustard and Worcester-shire sauce. Cook over medium low heat stirring constantly, until mixture is smooth and bubbly; remove from heat. Stir in milk. Heat to boiling stirring constantly. Boil and stir 2 minutes. Stir in cheese. Cook stirring occasionally until cheese is melted. Drain macaroni and gently stir into cheese sauce. Pour into 2-quart casserole. Bake uncovered 20-25 minutes or until bubbly.

Rose Edwards, Stillwater, Oklahoma:

SALMON QUICHE

1 can evaporated milk
4 eggs
2 1/2 cups Cheddar cheese, shredded
1/4 cup diced onion
1/4 teaspoon salt
1/4 teaspoon pepper
1/4 teaspoon garlic powder
1/4 teaspoon dried parsley
14.75-ounce can pink salmon, drained, flaked & bone removed

Preheat oven to 350 degrees. Spray a 9-inch deep dish pie plate with cooking spray. Mix evaporated milk, eggs, 2 cups cheese, onion, salt and spices in a blender until smooth. Spread salmon evenly over bottom of pie plate. Sprinkle with 1/4 cup cheese, then pour egg mixture on top. Top with remaining 1/4 cup cheese. Bake until quiche has puffed and a toothpick inserted into center comes out clean, about 35 minutes. Cool 5 minutes before serving.

Lydia J. Miller, Westphalia:

CINNAMON ROLLS

2 1/2 cups warm water
2 packages yeast
1 box yellow cake mix
4 1/2 cups flour
Melted butter

Cinnamon-sugar mixture

Dissolve yeast in warm water. Add cake mix and flour; knead. Let rise in a greased bowl until doubled. Roll out; spread with melted butter, cinnamon and sugar. Roll up, cut and place in pans. Bake at 350 degrees for

20 to 30 minutes. Frost with powdered sugar icing.

Lydia J. Miller, Westphalia: "No bowls needed here — clean up is easy! A small batch recipe."

GOOEY TURTLE BARS

1 cup graham cracker crumbs
1/4 cup butter, melted
1 cup chocolate morsels (semisweet)
1/2 cup pecan pieces
1/2 cup bottled caramel topping

Stir together crumbs and butter in ungreased 9 1/2-by-7-inch pan; press crumbs firmly in pan. Sprinkle evenly with morsels and pecan pieces. Microwave caramel topping at high for 30 seconds or until hot. Stir well and drizzle over pecans. Bake at 350 degrees for 25 minutes. Let cool in pan on wire rack. Chill at least 30 minutes. Cut into bars. Makes 16 bars.

Prep time: 7 minutes; cook time: 25 minutes; other: 30 minutes.

Millie Conger, Tecumseh:
APPLE PIE FILLING

6 quarts fresh apples, peeled, cored & sliced
5 cups sugar
1 1/2 cups clear jel
1 tablespoon cinnamon
1 teaspoon nutmeg
7 1/2 cups water
3/4 cup fresh lemon juice

In a large pot combine sugar, clear jel, cinnamon, nutmeg and water. Cook over medium heat until mixture thickens and begins to bubble. Stir mixture often to prevent scorching. Add lemon juice and boil 1 minute. Add apple slices and stir carefully. Heat for 3-5 minutes on low until apples are heated through. Remove from heat and fill prepared jars with mixture. Leave at least 1 inch head space in each jar. Wipe jars. Cap and seal. Process for 25 minutes in a boiling water bath canner.

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G&G Announces Its Annual Holiday Recipe Contest

Nov. 22 through Dec. 20

In observance of the holiday season, Grass & Grain will award the weekly winners \$35 in addition to the prize gift.

Recipes received NOVEMBER 11 through DECEMBER 13 will be entered in the holiday contest. Enter as often as you like during this period.

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Second chance to win! The names of all contestants will be entered in a drawing from which four names will be chosen. Each of these four contestants will receive \$35. Winners will be announced Dec. 20.

The winner each week is selected from the recipes printed.

Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you.

1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear.

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.

3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.

OR e-mail at:
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2016 "Our Daily Bread" Recipe Contest Prize

Grass & Grain Cookbook



Your
Choice
of 1 book:
Volumes 1-6

The winner each week is selected from the recipes printed.

Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you.

1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear.

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3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.

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Search For America's Top Amateur Bread Baker

Entries for the 2017 National Festival of Breads, sponsored by King Arthur Flour, Red Star Yeast and the Kansas Wheat Commission, are being accepted on October 1 through January 16, 2017.

The competition seeks the best yeast bread recipes from home bakers throughout the United States.

"The National Festival of Breads builds upon a rich tradition of grassroots support and is the nation's only amateur yeast bread baking competition," says Cindy Falk, co-chairperson of the event and nutrition educator for the Kansas Wheat Commission. "This contest is a way for amateur bakers to be recognized for their baking skills and creativity."

Adult amateur bakers, ages 18 and up, can submit original recipes for holiday breads, rolls, time-saving and simple breads, and whole grain breads online at nationalfestivalofbreads.com.

King Arthur Flour is America's oldest flour company and premier baking resource, offering ingredients, mixes, tools, recipes, educational opportunities, and inspiration to bakers worldwide. For more information, visit kingarthurflour.com.

Red Star Yeast was founded in 1882 and over the years has developed a complete line of yeast products including PLATINUM Superior Baking Yeast, Active Dry Yeast, Quick Rise Yeast and Cake Yeast. Red Star also has many tips and tricks of the trade and the science behind yeast on their website, www.kansaswheat.org.

The Kansas Wheat Commission is a farmer-funded and governed advocacy organization working to secure the future of Kansas wheat globally and domestically through research, promotion, marketing and education. Kansas wheat farmers support the Kansas Wheat Commission with a voluntary two cent assessment on each bushel of wheat produced in Kansas. For more information, log onto www.kansaswheat.org.

Additional information, past recipes and a summary of the 2009, 2011, 2013 and 2015 competitions are available at nationalfestivalofbreads.com.

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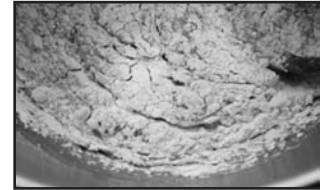
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The Most Moist Banana Sour Cream Bread You'll Ever Make!

mon. Turn mixer on low speed and mix for about 20 seconds or until mixed well!



By Ashleigh Hett

This bread recipe was a huge hit! I like banana bread (and so do my taste testers) but this was phenomenal. It's not just another normal quick bread recipe, so you don't need to scan right over it. Go ahead, give it a try!

When I made it the first time, I was a little surprised at how runny the batter was. But after it baked? We ended up having the first loaf gone in a matter of minutes! It came out of the oven with a slightly crisp, golden brown crust (thanks to dusting the pan with cinnamon sugar) and a soft, tasty inside. The sour cream really did its job, as I've never had a more delicious banana bread!

Ingredients:
1/2 cup butter
1 1/2 cups white sugar
2 eggs
3 very ripe bananas, mashed
1 cup sour cream
1 teaspoon vanilla
1 teaspoon cinnamon
1/4 teaspoon salt
1 1/2 teaspoons baking soda
2 1/4 cups flour

Dust pan with:
1/8 cup sugar
1/2 teaspoon cinnamon
Butter

Now add to the bowl the salt, baking soda and flour. Mix this until all combined!

In another small bowl, stir together the cinnamon and sugar for dusting the pans with. Grease two 7-by-3-inch loaf pans with butter and then dust with the cinnamon-sugar mixture. Shake out some of the extra!



Divide the batter between the pans and pop in a 300-degree oven for 55-65 minutes. Watch it somewhat carefully if you put it in longer than 55 minutes, as you don't want it to burn! Check it with a toothpick in the center to see if it's done (if it comes out clean, it's done).

Cool the loaves on a wire rack and then serve with soft butter and a sprinkle of cinnamon! Enjoy!

Ashleigh is a freelance writer and blogger for her website, Prairie Gal Cookin' (www.prairiegalcookin.com). She shares everything from step-by-step recipes and easy DIY projects, to local history, stories, and photography from out on the farm in Kansas. Follow PGC online or like it on Facebook for more recipes and ramblings!



To get started, cream together the butter and sugar in a large mixing bowl.



As soon as it's mixed together thoroughly, dump in the eggs, bananas, sour cream, vanilla and cin-

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Tuesday November 15, 2016

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Sellers: Gregory Roberts

For More Information:

Information available on the auction page at ksallink.com

Chris Rost: 785-493-2476 seller's agent
Mark Baxa: 785-826-3437 auctioneer/ seller's agent



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Should You Eat Like a Caveman in the 21st Century?

By Martha Murphy
Wildcat District Extension Agent, Pittsburg EFNEP office

In the last few years, "Paleo" or "Caveman" diets have received media attention. Advocates of this lifestyle propose that we should eat like people did during the Paleolithic era, otherwise known as the Stone Age. They recommend eating fish, meats, eggs, vegetables, fruits, nuts and mushrooms; and avoiding grains, dairy foods, cooked dry beans, oils, salt and refined sugars. They believe that since it has "only" been within the last 10,000 years that agriculture came into being, we humans have not yet evolved in our metabolism to handle digesting well the kinds of foods grown on farms.

Is there any health truth behind the hype?

Our very early ancestors were hunters and gatherers. Supporters of the Paleo diet contend that our caveman predecessors were strong boned, hearty and healthy. And if they died young, it was not because of disease, but because of accidents and a difficult environment.

Paleo diet promoters say that modern-day health problems (such as arthritis, osteoporosis, cancer, heart disease and other chronic diseases) did not exist during the Stone Age. But no one alive now can be sure of what diseases occurred then. And if those diseases were not present, is it because of the differences in diets or because of other differences?

A one-size-fits-all approach to diet does not work well. For individuals who are diagnosed as having food sensitivities and intolerances, yes, their health will improve if they avoid those foods that they cannot tolerate.

Overall, though, people living in the U.S. now live longer and enjoy fewer years of disability than ever before. And nutrition experts agree that the rise in obesity and obesity-related diseases over the past 30 years is not because Americans are eating too many whole grains, low-fat dairy products or cooked dry beans. Research supports the opposite: eating these foods improves health for most people. The 2010 Dietary Guidelines for Americans advise eating double the amount of whole grains, low-fat dairy products and cooked dry beans that we currently get in the U.S.

We all can learn some important lessons from our more primitive ancestors. "Think like a caveman" to improve your health by following these guidelines:

- Most of the time, eat foods that are less processed, are low in added salt and added sugars, and are naturally rich in nutrients.

- Avoid long periods of just sitting. Be at least moderately physically active for 30 to 60 minutes on most days. Although we no longer scavenge and hunt for most of our meals, our bodies were designed to be moved often!

For additional information, contact the Wildcat Extension District, Crawford County, 620-724-8233, Labette County, 620-784-5337, Montgomery County, 620-331-2690, Pittsburg Office, Expanded Food and Nutrition Education (EFNEP), 620-232-1930. Our website is <http://www.wildcatdistrict.k-state.edu/> or follow us on Facebook: Wildcat Extension District.

Grass & Grain, November 8, 2016

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Fresh Apples Are Appealing

By Cindy Williams
Meadowlark District Agent
Foods & Nutrition/
Money Management

It's really exciting when the new crop of fall apples appear in the market. Nothing compares to the crisp crunch of a raw apple, or the scent of hot cider or apple pie.

Fresh apples contain no fat, cholesterol or sodium. A medium apple has only 80 calories, but provides 5 grams of fiber. (The Recommended Daily Value for fiber is 20-35 grams.) You'll get the most fiber if you eat the whole apple, including the peel.

Apples also contain a flavonoid called quercetin. Like other flavonoids, quercetin has antioxidant properties, which help protect against diseases like cancer.

When choosing apples for eating fresh or for cooking, keep this advice in mind:

- *Choose firm apples with no bruises.
- *Handle apples carefully to avoid bruising.

- *Refrigerate apples to keep them fresh longer.
- *Store apples in a ventilated plastic bag; keep away from strong odored foods.
- *Wash apples before using to rinse off dirt and pesticides.
- *Coat apple slices with lemon, orange or apple juice to prevent browning.
- *Use 6 to 8 medium apples for one 9-inch pie.
- *One bushel of apples makes 16-20 quarts of applesauce.
- *Two pounds of apples makes 3 cups of sauce.

Dip apple wedges in non-fat vanilla yogurt as part of a quick, healthy breakfast or snack. A whole apple makes a perfect portable snack. Slice apples into a sandwich; chop them into a salad; or bake them, stuffed with raisins for a dessert that wins rave reviews from your family.

Enjoy the fall apple crop and know that you are eating something that is tasty, along with being good for you.

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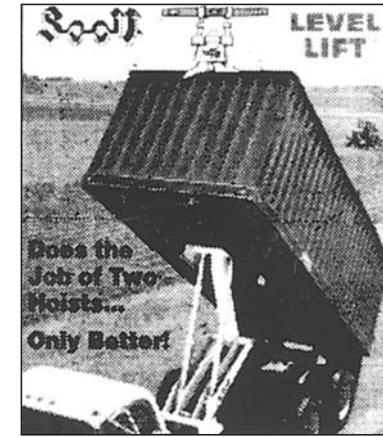
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THE WAY WEST

By Jim Gray

Don't Go Back!

The summer of 1873 was both exciting and dangerous for anyone setting foot on the streets of Ellsworth, Kansas. According to the *Ellsworth Reporter* over one

hundred seventy thousand head of Texas longhorns were grazing on the surrounding range by mid-July. Hundreds of cowboys visited the bright lights of the

town's entertainment resorts every day.

With that much celebration going on it was only a matter of time before trouble would find a way to bubble to the top. The pot finally boiled over in the gambling halls. The resulting melee left Ellsworth County Sheriff Chauncey Whitney dead from an errant shotgun blast. Tempers flared. A popular Texan was shot and beaten to death by policeman Ed Crawford. Marshal "Happy Jack" Morco and Crawford were both fired and "invited to leave town." But, Happy Jack could not stay away. He returned with a pair of pistols strapped to his hips. Subsequently he was shot down in a classic standup gunfight after he refused to disarm.

In the wake of the summer shootings the new Ellsworth County Jail captured the limelight as plans drawn up by Major Henry Inman were unveiled. Instead of brick, stone was proposed. "The railroad company would probably furnish the stone at cost of freight and quarrying from their mine in Ellis County, but there is good stone in this county and we hope it will be used."

The September 18, 1873, *Ellsworth Reporter* announced that the new stone building would cost four thousand six hundred dollars. It was expected to be finished before cold weather. One week later, local stone had evidently been found as ground was broken and stone was being hauled.

As the season slipped deeper into September large numbers of cattle were still grazing lush Kansas prairies. The glutted market pushed trading activity into the doldrums as cattlemen waited for a hopeful improvement. Instead, the market collapsed on September 18 when the New York City financial empire of Jay Cooke and Co. closed its doors. The Panic of 1873 shocked the cattle industry. Cattlemen began to sell herds for any amount of money, hoping to scrape enough money together to allow them to start over next year.

The panic was even affecting Ellsworth County's new jail as stated in the October 23 *Reporter*. "Owing to the panic, our jail bonds have not been sold. But the work is going on in building."

In the meantime, Ed

Crawford was chafing over the humiliation of being forced out of Ellsworth. Happy Jack had been forewarned not to return to Ellsworth. Now friends were telling Crawford, "Don't go back." But he was inclined to ignore their warnings. He was not afraid of the Texans!

Crawford arrived in town November 2nd and proceeded to make the rounds of the sporting houses. He was reported "full of whiskey..." on the 6th and on the 7th "considerably under the influence." At Lizzy Palmer's dance hall he barged in on Suzie Hart and an intimate customer just as several Texans entered the dark hallway leading to her room. Suzie ran from the room as the men closed in. Suddenly six shots rang out and Ed Crawford lay dead on the floor of Suzie's room.

At the coroner's inquest a mysterious man named "Putnam" was said to be the killer. Although a crowd of men had barged in the room only Putnam was identified. Working girls Suzie Hart and Alice Chambers testified that all of the men were strangers. Chambers said, "I do not know any of the men that was in the room at the

time." Hart stated, "After I left the room it appeared to me that all the men in the house made a rush for the Hall towards my room ... I never saw so many men in the House at one time." Lizzy Palmer weighed in with a lengthy description of events but did not know the names of any of the men involved. No one was arrested for Crawford's murder.

The Ellsworth County Jail was completed a few weeks too late to hold the several murderers of 1873. All of them were dead except for Billy Thompson, who fled to Texas. Putnam's whereabouts were similarly unknown. One thing is pretty certain considering the consequences of returning to Ellsworth. They were certain to pay attention when their friends cautioned "Don't go back!" It would be wise to steer clear of Ellsworth, Kansas on The Way West.

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

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University partners to earn National Science Foundation digital agriculture spoke grant

A \$1 million grant from the National Science Foundation will help researchers at Kansas State University and three Great Plains universities initiate research to digitize large sets of agriculture data and make it available to farmers, governments and other agencies.

Kansas State University

is one of four universities that form the digital agriculture spoke as part of the Midwest Big Data Hub. The project, "Digital Agriculture-Unmanned Aircraft Systems, Plant Sciences and Education," is part of the Big Data Research Development Initiative, launched in 2012 to help solve the nation's most pressing challenges using large collections of digital data.

The National Science Foundation awarded a total of \$10 million to ten data hubs in four regions — the Midwest, Northeast, South and West — to form big data spokes to research topics unique to each of the regions.

"A major component in

the Midwest is agriculture," said Gregory Monaco, Kansas State University research associate professor in the psychological sciences department and co-principal investigator of the project. "We are collaborating across institutions to build partnerships to potentially digitize large agriculture data sets and make them available to farmers, landowners, governments and other entities in the region for a spectrum of agricultural activities such as precision agriculture, ecosystem management and services, socioeconomic impacts and specific data-related issues."

Monaco also serves as director for research and cyberinfrastructure initiatives for the Great Plains Network, a community of research and education professionals using advanced technologies to enhance the missions of their institutions and the region.

According to Monaco, the researchers are gathering data from sensors in farm and related equipment, aerial imagery from unmanned aircraft systems, survey data, management and policy models, and other sources for the project and to create additional educational materials.

"Building on previous work and partnerships in the areas of cyberinfrastructure workforce development, Kansas State University will lead the information sharing, education and training component of the project and will create workshops, webinars and other web-based projects," Monaco said.

Other collaborators of the digital agriculture spoke of the Midwest Big Data Hub include Grant McGimpsey, University of North Dakota, principal investigator; Jennifer Clarke, University of Nebraska, Lincoln; Joe Colletti, digital agriculture spoke project lead, Iowa State University; and Travis Desell, University of North Dakota's Jonn D. Odegard School of Aerospace Sciences.

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AROUND KANSAS



During the one hundredth anniversary of the Great War, volunteer Jeanne Mithen has been honoring Topekans who died during their service by posting their photos and a short biography at their gravesites in Historic Topeka Cemetery.

Most of these young men and one woman were not combat casualties, but as in most wars, sickness was the greatest enemy. It is proper that we take the time to recall them and their sacrifice. Most were first buried in France and later returned to America. Some, like Henry Walsh, were never returned, and a memorial bears his name. Also, Phillip Billard was a test pilot and when he died in a plane crash, his family

buried his ashes in his grandmother's garden in France.

John Oscar Akerstrom died in 1918 from wounds sustained in one of the final battles of the Meuse-Argonne Offensive, just a dozen hours before the Armistice.

Floyd Webster Bailey, born in Agra, Kansas, died in training in September of 1918 of complications from the Spanish influenza and resulting pneumonia at Camp Grant, Rockford, Illinois.

Seaman Kenneth Lynde Barber, Foster Raymond Bradfield, William Henry Cummickel, Ralph Raymond Dodge, Robert Thomas Melton, and Virgil Eaton died during training of complications from the Spanish influenza. Freder-

ick Joseph also died from Spanish influenza and rests in the Jewish Section without a headstone. Medical Corpsman Harold Rosen Olson died from cerebral spinal meningitis in France and Frank Asbury Pavay died of TB and measles at Camp Funston. Lyman Rice died from dysentery and pneumonia. Charles Erickson died from pneumonia and shrapnel poisoning sustained during the Meuse-Argonne Offensive.

LeRoy Evans was killed in action on August 31st, 1918. Aurie Ernest Fager died from wounds as a result of machine gun fire in November, 1918 at a Base Hospital near the town of Barricourt, France. William Klinge died of pneumonia while training in Texas, January, 1919. Ernest Fred Monneypenny was accidentally shot in France.

Fay Sarah Freidberg died from disease on December 30, 1918, of complications from the Spanish influenza and resulting pneumonia in Washington, DC. while she was working with the Casualty Division of the Adjutant General's Office, War Dept. On the Shawnee County Victory Highway Me-

orial, Fay is recorded as the only (Shawnee County) woman member of the Department of War to have died in the Great War in the service of the United States." She is buried in the Jewish Section of Historic Topeka Cemetery.

Jesse Gilliland died in October, 1918, after being gassed and wounded during the opening stages of the Meuse Argonne Offensive.

Fred Lloyd Jones died in August, 1919, from pneumonia contracted on board ship during his return from his participation in the AEF offensives of the Western Front in France.

Theodore Leslie McNeely was killed in action on September 16, 1918, in a direct hit from a shell on the front line of the most advanced and exposed position being held by the 353rd Infantry during the St. Mihiel Offensive.

Kenneth Sutherland was killed in action 17 July 1918 in Alsace, France.

William Swan died from wounds sustained in the Meuse-Argonne Offensive in October, 1918.

Albert Thompson, Jr. died during training in San Antonio in July, 1919, of can-

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cer. He had already served one tour of duty in Europe.

As we mark Veteran's Day, November 11, let us recall their sacrifices, and those of their families, and the millions who died around the world in those dark years a century ago. These special memorials

will be posted at Historic Topeka Cemetery, I-70 and California Avenue, from November 9 through the 21st.

Deb Goodrich is the co-host of Around Kansas, airing each Wednesday throughout the state. She can be contacted at author.debgoodrich@gmail.com.

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Beef Cattle Institute adds resources for VFD changes

With a Jan. 1, 2017, deadline looming, veterinarians and producers now have more resources available to help them comply with the Veterinary Feed Directive being issued by the Food and Drug Administration.

In response to increasing demand, the Beef Cattle Institute at Kansas State University developed additional free educational modules to complement its original set of modules released earlier this year. The new modules are pertinent to separate sectors of the beef industry.

The website also hosts a sample Veterinary Feed Directive form as well as additional resources to guide users through any additional questions.

These changes will be

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significant for the livestock and feed industry, and we are eager to provide guidance as much as possible," Bowers said. "Collaboration between these organizations has been valuable as we work to reach all producers, veterinarians and feed mills. The website is a great resource."

The Beef Cattle Institute utilizes collaborative multi-

disciplinary expertise to promote successful beef production through the discovery and delivery of actionable information and innovative decision support tools.

GUN & COIN AUCTION

SATURDAY, NOVEMBER 12 — 10:00 AM

Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley SALINA, KANSAS

GUNS: Sells at 10:00 a.m.

1. Revelation 12 ga. series K model 350 single shot w/choke 3"; 2. Stevens 16 ga 2 3/4" chamber; 3. Remington hex 22 model 12C, S,L,LR; 4. Remington 22 model 550-1 S,L,LR; 5. Belgium 22 hex wall hanger; 6. Connecticut Arms 12 ga wall shells; 7. Colt 22 revolver w/holster & box LR; Long Boy cap pistol, other cap pistols; 22 shells; 12 ga. shells

nickels: Mercury & Roosevelt dimes: Tokens; quarters; mint sets; gold 1926 Indian quarter; silver certificates: Barber & Franklin halves; Morgan & Peace dollars inc.: 1878 CC; Foreign coins: [Check our web site for a complete list](#).

- 135 LOTS COINS inc.: 1857 Flying Eagle, Indian head pennies, 1909 S VDB cent, 1910 S, 1911 S: Buffalo & Jefferson

[Check our web site for complete coin list at www.thummelauction.com](#). This is an individual collection. We will be open for viewing on Saturday morning at 8:00 a.m.

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
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In collaboration with the Kansas Department of Agriculture and K-State Research and Extension, the institute has developed a new website, VFDInfo.org, which houses modules specific to producers, feed mill operators, veterinarians and distributors. Experts from each sector address concerns and questions to ease the transition under new regulations.

Experts include Mike Apley, professor of production medicine in the College of Veterinary Medicine at

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12 PIECE STANDARD DUTY 35' ROUND PEN SET (11 PANELS, 1 WALK-THROUGH GATE)	\$1075.00
16 PIECE STANDARD DUTY 50' ROUND PEN SET (14 PANELS, 1 WALK-THROUGH GATE, 1 BOW GATE)	\$1625.00

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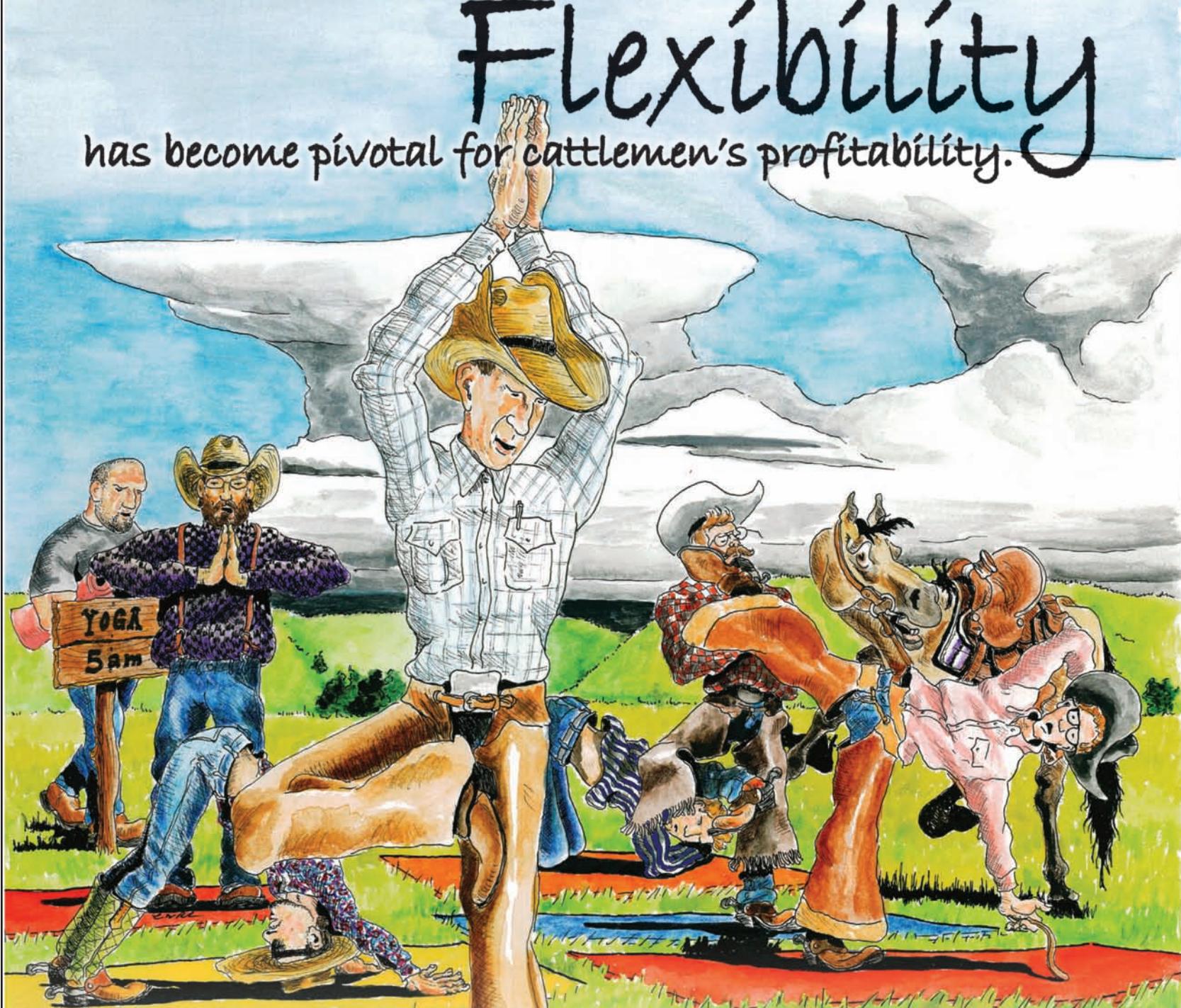
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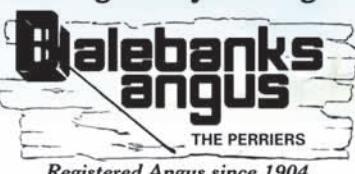
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Kansas State University scientists gain upper hand on devastating wheat scab disease

Kansas State University scientists say they have isolated and cloned a gene that provides resistance to Fusarium head blight, or wheat scab, a crippling disease that caused \$7.6 billion in losses in U.S. wheat fields between 1993 and 2001.

Their findings are published online in the journal Nature Genetics. The article details about 20 years of research that included scientists in China and several American universities.

"This has been a very difficult project," said Bikram Gill, university distinguished professor of plant pathology and director of the Wheat Genetics Resource Center at Kansas State University. He estimates that nearly 100 scientists, faculty, staff and students have participated in the work.

"The breakthrough that we're reporting is the cloning of a resistance gene," Gill said. "We have

identified the DNA and protein sequence, and we are getting some idea of how this gene provides resistance to the wheat plant for controlling the disease. The cloning of this gene is the key to unlock quicker progress for control of this disease."

A disease that shows up periodically in more humid growing regions, Fusarium head blight caused severe damage in Minnesota and North Dakota in 1993 and subsequent years. Gill noted that a 1997 epidemic in Minnesota, which ruined 50 percent of the state's wheat crop that year, caused an estimated \$1 billion in losses.

Fusarium head blight is caused by the fungus Fusarium graminearum, which produces a toxin that makes the crop unfit for human and animal consumption. James Anderson, a professor of wheat breeding and genetics at the University of Minnesota, said there are frequent epidemics of the disease reported in the United States, Canada, Europe, Asia and South America.

The fungus is also a menace to the barley industry. Gill noted that since the 1997 outbreak in Minnesota, malting barley is rarely grown in the upper Midwest because the industry implemented zero tolerance for the toxin Deoxynivalenol produced by fusarium.

Previously, the wheat variety known to best resist Fusarium head blight was a Chinese cultivar named Sumai 3. But while scientists knew Sumai 3 provided resistance, they didn't know what DNA sequence was responsible for resistance — until now.

Kansas State University faculty and students used sophisticated wheat genome sequencing techniques to isolate the gene. Gill said that Eduard Akhunov, associate professor of plant pathology, prepared a library of "millions of clones" of Sumai 3 DNA. Lead scientists Nidhi Rawat at the University of Maryland and Mike Pumphrey at Washington State University sifted through the library.

"It's like searching for the proverbial needle in the haystack to find one clone that contained the resistance gene," Gill said.

"It looks like when the fungus attacks the wheat plant, the resistance gene protein has domains for binding and making pores in the cell wall of the fungus, and stopping it from spreading and infecting the developing grain," he said.

Traditional and molecular wheat breeding will benefit from the finding, Gill said. Without knowing the DNA source of this resistance, scientists would have to grow wheat in a field, hope for the right growing conditions to test new varieties against the disease, and then reproduce successful varieties for future years.

Instead, processes that would take years to replicate can be done in a fairly short amount of time in a diagnostics lab.

"An analogy I can think of is in the cloning of the most common gene that causes breast cancer," Gill said. "A woman can get diagnosed very early and be treated to avoid getting the cancer. We can do the same thing with this gene. Once you diagnose the plant, you can use it in breeding without exposing the plant to the disease."

Among several, Gill credited Anderson, whose research team has been working on resistance to Fusarium head blight since 1993 and was the first to genetically map the location of the gene to a small segment of the wheat chromosome. Anderson has worked closely with researchers at Kansas

State University and Washington State University to help prove the identity of the resistance gene.

Gill also acknowledged Pumphrey, an associate professor in the department of crop and soil sciences at Washington State University, for his work leading to the discovery. Pumphrey was a graduate student at Minnesota under Anderson and later with Gill at Kansas State University.

The project was funded by the U.S. Department of Agriculture's Wheat and Barley Scab Initiative and the National Science Foundation. The agricultural experiment stations at each of the participating universities also provided support.

Important deadline near for pasture, rangeland, forage insurance

The USDA's Risk Management Agency (RMA) reminds farmers and ranchers in Colorado, Kansas, Missouri, and Nebraska the final date to apply for insurance coverage on pasture, rangeland, or forage acres for 2017 is November 15. The Rainfall Index Pasture, Rangeland, Forage (PRF) pilot program provides coverage to protect livestock operations from the risks of forage losses on acreage being grazed or harvested for hay. Current policyholders who want to make a change to an existing policy can do so until the November 15, 2016, sales closing date.

PRF is an area-based plan of insurance that uses a rainfall index to determine losses and trigger indemnities. The rainfall index uses National Oceanic and Atmospheric Administration (NOAA) Climate Prediction Center precipitation data. Each grid is individually rated based on the data for that grid. The rainfall index is designed to insure against a decline in an index value that is based on the long-term historical average precipitation for the same area for the same period. It is important for ranchers and farmers to understand that payments are not based on individual rain gauges on their farm or a single weather station.

Online tools are available to assist producers to determine how well the program correlated with their past forage production. Index tables provide historical information ranchers can use to decide whether this plan is right for them and a decision support tool are available on the RMA PRF webpage.

Crop insurance is sold and delivered solely through private crop insurance agents. A list of crop insurance agents is available at all USDA Service Centers and online at the RMA Agent Locator. Producers can use the RMA Cost Estimator to get a premium amount estimate of their insurance needs online. Learn more about crop insurance and the modern farm safety net at www.rma.usda.gov.

FARM EQUIPMENT AUCTION

WEDNESDAY, NOVEMBER 16 — 11:00 AM

Location: 1 mile north of SCOTT CITY, KS (1500 North Hwy 83)

TRACTORS & LOADER

2013 Case IH 315 Magnum tractor, mfw, Pro 700 AFS, suspended front, 505hrs., front & rear duels, custom cab, quick hitch (like new)
2011 Case IH 335 Magnum tractor, deluxe cab, 2,626 hrs., front suspension, front & rear duels, Pro 600 AFS, quick hitch (nice)
1991 Case IH 7110 tractor, duels, 3 pt., pto, 8161 hrs.
2006 Komatsu WH320 pay-loader, hydrostat, 6594 hrs., big bucket (nice)
2005 JD 410G backhoe tractor, front bucket, auto., 3,709 hrs., 1996 JD 8200 tractor, mfw, 3 pt. pto, duels, 9740 hrs., \$5,000 in recent repairs (good shape)
2005 New Holland LS180 skid steer loader, diesel, 2150 hrs., pallet fork & bucket

TRUCK & PICKUPS

2009 Chevy Silverado Z71 pickup, auto., 4x4, 125,000 miles, crew cab, new cam and lifters
1990 Kodiak truck, Cat motor, 5x2 spd. trans. w/Teleflex hydraulic 4-6 boom, new pump

FARM EQUIPMENT

Sunflower 9x6 sweep plow, Model 3392-52 w/new style pickers, good blades & tires; Quinstar Laser II plow, 52ft. w/hard surface pickers; Quinstar Fallow Master, 49ft. w/hard surface pickers; Quinstar Fallow Master 42 ft. w/pickers; Flex King 7x5 sweep plow, XL Series w/pickers; Flex King 5x6 sweep plow w/ pickers; Flex King 5 x 6 sweep plow w/harrows; Case IH #40 no till double disk drill, 40 ft.,

AUCTIONEERS NOTE: Jerome is retiring from farm and will sell his excellent line of equipment at auction. Larger equipment to sell at approximately 12:30 pm

Terms: Valid ID required to register. Cash or approved check day of auction. No warranties expressed or implied. Everything sold as is! Not responsible for theft or accident. Announcements day of sale precedence over printed material. Lunch served.

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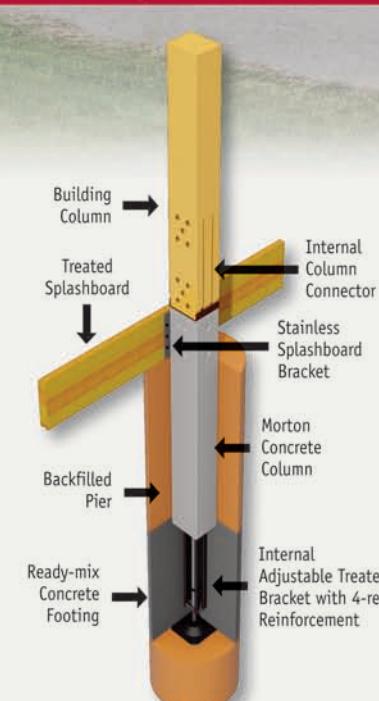
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Grass & Grain, November 8, 2016



Ty Seibert of the Navarre Boosters led the Best Doe of Show at the Central Kansas Free Fair.

LAND AUCTION

TUESDAY, NOVEMBER 15, 2016 — 1:00 PM
Richardson Co. Ag Building, 1000 4th St
HUMBOLDT, NEBRASKA

Legal Description: NW 1/4 exc. a 2.93 acre tract & W 1/2 SW 1/4, ALL in Section 1, T2N, R13E, Richardson Co., NE (209.84 acres +/-)
Directions from jct. Hwy. 4 & 634 Ave. on northeast edge of Humboldt, NE: 1 mile east on Hwy. 4 to NW corner of farm.
General Description: This 209 acre tract has 174 FSA cropland acres. There are 83 acres currently in row crop consisting mostly of Wymore soil. There are 123 acres in pasture with 2 ponds & good fences. A large portion of the pasture could be farmed. If you are looking to expand your farming or livestock operation don't miss this one!

See October 25 Grass & Grain or website below for complete information & terms!

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Weeds, water, world issues will be themes at Kansas Soybean Expo '17

Kansas soybean farmers and their industry partners will gather Jan. 11, 2017, in Topeka for the Kansas Soybean Expo. The Kansas Soybean Association (KSA) organizes the annual event, with checkoff funding from the Kansas Soybean Commission (KSC), to coincide with the Topeka Farm Show.

The free event returns to the Capitol Plaza Hotel's Maner Conference Center at the Kansas Expocentre. Registration and exhibits open at 8:30 a.m., with the program scheduled from 9 a.m. to 3:45 p.m. A reception with KSA and KSC leaders will follow.

The welcome will come from KSA president Raylen Phelon, Melvern, and KSC chairman Kurt Maurath, Oakley. The opening session will offer checkoff-partner updates



Rogan Tokach exhibited the champion meat goat at the Central Kansas Free Fair and was also named senior goat showman by judge Rocky Swearingen.

AUCTION
SATURDAY, NOVEMBER 12 — 11:00 AM
33348 SPRING CREEK ROAD, PAXICO, KANSAS
(West of Paxico on I-70 to Exit 332 (Spring Creek Rd) then .7 mile North)

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from Jay O'Neil, senior agricultural economist at the IGP Institute, and Mike Steinhoek, executive director of the Soy Transportation Coalition.

The next two presenters will come from K-State Research and Extension. William Schapaugh, Ph.D., soybean breeder and professor of agronomy, will offer "Searching for Genes and New Gene Combinations." Dallas Peterson, Ph.D., weed-science specialist and professor of agronomy, will lead "The Ongoing Battle With Weeds."

Clay Patton from Kansas Farm and Ranch Radio will be master of ceremonies at the luncheon, where Tracy Streeter, director of the Kansas Water Office, will be the featured speaker. Phelon then will preside over the association's annual meeting, which will include the approval of policy resolutions and the board of directors elections.

Following lunch, KSA and KSC will present awards and recognitions, including the DuPont Young Leaders and the Kansas Soybean Yield and Value Contests winners. The afternoon's customary "Planning for the Future" session will bring Darrell Holaday from Advanced Market Concepts and Country Futures to present "Managing the Economic Shifts in U.S. & World Production Agriculture."

A complete, detailed agenda and the preregistration form are available at <http://KansasSoybeans.org/expo> on the web or by calling 877-KS-SOYBEAN (877-577-6923). Those who preregister by Jan. 4, 2017, will have guaranteed seats at the luncheon and be eligible for the early-bird gift-basket drawing.

U.S. smaller tractor sales still lead for September, but larger sizes rebound

U.S. retail sales of tractors under 40HP and 40-100HP continued to lead the way in September, and while sales of larger tractors rebounded from last month, year-to-date sales were still down, according to the latest data from the Association of Equipment Manufacturers (AEM), the leading trade group for off-road equipment manufacturers and suppliers.

U.S. retail sales for 2WD tractors under 40HP gained 16.8 percent in September (compared to last year), with year-to-date sales up 11.7 percent. September sales of 2WD tractors 40-100HP were up 3.9 percent year-over-

year, but year-to-date sales were still down – minus 4.3 percent.

Sales of 2WD 100+HP tractors in the U.S. dropped 7.3 percent for September, compared to minus 27.0 percent for August, with September year-to-date sales down 22.7 percent. September sales of 4WD tractors declined 17.9 percent (compared to minus 48.1 percent for August), with September year-to-date sales down 32.4 percent.

U.S. combine sales declined 34.6 percent for September and recorded a 24.2-percent drop for September year-to-date sales.

"While our current ag downturn is the result of lower commodity prices putting pressure on farm income, weak exports due to a strong U.S. dollar, and overall global economic malaise, we cannot underestimate the impact of inventories at the manufacturer and dealership level. A recent co-run survey by AEM and EDA, Equipment Dealers Association provides some insight on the issue from the manufacturer and dealer perspectives," states AEM senior vice president Charlie O'Brien.

COIN AUCTION

FOR KENNETH HEISEY

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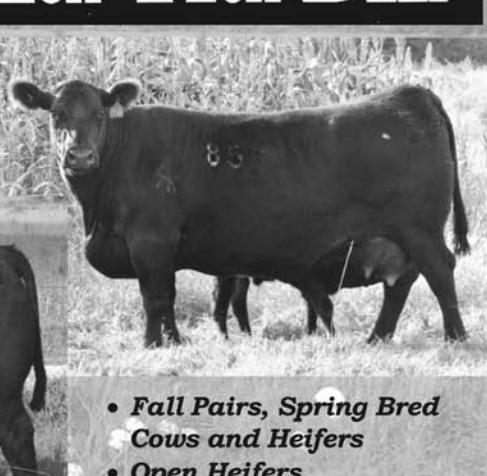
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SATURDAY, NOVEMBER 19, 2016 — 9:00 AM

11080 Luning Road — ST. GEORGE, KANSAS 66535

GUNS - 10 AM: Remington 11-87 Premier 2 3/4" or 3" shells PC 016851; American Gun Co. Genuine Armory steel choke bored 287259; American Gun Co. New York Genuine Armory steel choke bored 291059; Stevens mdl. 15-A Savage Arms Corp. cal .22 (wing nut) single shot S/L/R; Stevens mdl. 15-A Savage Arms Corp. cal .22 single shot S/L/R; Glenfield mdl. 301 The Movin FireArms Co. cal 30-30 AC33466 w/scope Weaver K4; Crosman Air Guns 66 PowerMaster 992742876, 177 cal pellet; Beeman 0035 made in Spain cal .177 41239-01 w/scope; Crossman Titan GP mdl C8M22NP cal. 22 910X03495 w/scope; Smith & Wesson mdl 13 357 mag.; H&R Inc mdl 930 22LR made in USA; H&R Arms Co. Trapped mdl 22 rim fire 161041; Smith & Wesson mdl 19-3 258001 357 mag.; Reuge .22 cal LR Mark Target 212-65808; Davis Industries 419237 mdl 0-22 cal. 22 LR; Ruger SP101 357 mag. 570-81212; Hy-Wesson 38 Special 43717; Hy Hunter Inc. Frontier Six Shooter mdl. 22 cal. 6230; Ruger mdl 10/22 carbine 22LR cal 230-85255 w/scope; Glenfield mdl 60 22 LR only 23404629; Savage mdl 110E cal 223 E925041; Remington mdl 700 66140 cal 243; Marlin mdl 55 12 ga. shotgun; Mossberg 12 ga. 2 3/4, 3, 3 1/2 shells 835 Model; New England Fire Arms ND 266631 Pardue mdl SB-1 410 3" full Winchester 1897 213592 12 ga.; Ithaca mdl 37 Featherlight 12 ga. 37130915; Remington mdl 12 756271 22 cal. lots of ammo for these guns. **VEHICLES & TRACTORS - 1 PM:** 2002 Mazda Protege 5 spd 87,723 mi; 2001 Dodge Ram 1500 24,900 mi; 1981 C30 pickup w/dump bed 20,736 mi; 1967 - 3020 JD tractor w/loader; 1969 - 2010 JD tractor w/loader; Yamaha Timberwolf 4-wheeler w/snow blade & hitch; 1998 Harley Davidson motorcycle 883 Sportster 1991 mi; Polaris Ranger 500; Apache pop up camper. **EQUIP:** SpeeCo 20 ton log splitter; 1972 Glasfroin 15' fiberglass boat trailer; Cover & Johnson 100 mtr. & Evinrude trolling mtr; Attwood 16' alum. boat w/trailer & Mercury 70 mtr.; Jon boat 11' 6"; Snapper SR20 riding mower; Snapper Intek 12.5 riding mower; Briggs & Stratton Professional 7.75 push mower; Snapper riding mower; JD 410 hay baler; NH sickle mower; hay rakes; Stihl 56C pole saw; Stihl chain saw MS 250; Echo tree saw. **TRAILERS:** Utility black trailer 5x8'; red garden trailer; Hale livestock trailer 16'; **TOOLS:** Shovels; rakes; waxer/polisher; power sprayer; elec. chainsaw sharpener; bench grinder; coolers; toolboxes; stepladders; ext. ladders; compressor; chains; vise grips; old wood ladders; B&D bench grinder. **MISC.:** McCall's metal drawers; oil cans; fishing rods; bushel baskets; lighted Coors Sign; tackle box; bicycles; outdoor kids toys; Strawberry Shortcake bike; wicker furniture; plastic chairs; charcoal; vintage water skis; life jackets; sleds; snowboard; red wagon; 2 seat outhouse; old doors; antique metal buckets; tires; Panasonic DVD recorder/player; exercise bike; microwave; hoses; birdhouses; 4 top sq. wood dining table; dining table w/7 leaves; wood chairs; rolling chairs; volleyballs; soccer balls; baseball bats; frisbees; Holiday decor; quilts; blankets; bedding; knick knacks; glassware; food slicer; food dehydrator; metal floor fan; metal TV trays; antique radio; pots & pans; JD tractor clock; ice skates; cast iron skillets; antique school bench; Quartz Infrared space heater; metal bread box; old Tupperware; crock-pot; waffle iron; old cookware; fuel tank & stand. **MOUNTS:** Pheasant; Various Feather; Rabbit; Fish; Squirrel. **FURNITURE:** Recliners; sofa; rocking chair; antique full bed; entertainment center; computer desk; rolling kitchen cart; stereo; HP Desktop Computer; HP scanner/print; floor lamp; Sharp TV; Zenith Console; roll top desk; dressers; metal shelves.

For photos go to www.facebook.com/KScrossroadsauctions



ESTATE of STEVEN R. UKENA

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Bringing agriculture to biodefense: University leaders highlight issue at Bipartisan Policy Center

It started with a purple book. It continues with a purple connection to the Bipartisan Policy Center.

From agriculture to animal health, Kansas State University has been leading the national discussion in bio/agrodefense since it published the "Homeland Defense Food Safety, Security and Emergency Preparedness Program" — also known as "The Big Purple Book" — in 1999.

Recently, the university co-hosted an event at the Bipartisan Policy Center, a Washington-based nonprofit organization that combines the best ideas from both parties to address the key challenges facing the nation. The panel discussion highlighted the threat of bio/agroterrorism and the importance of including agriculture in biosecurity and biodefense.

Gen. Richard Myers, interim president of Kansas State University, participated in the Oct. 13 Bipartisan Policy Center panel with Tom Daschle, former Senate majority leader and co-founder of the Bipartisan Policy Center, and Mike Rogers, a former congressman from Michigan. The talk was titled "Bio Agro-Defense Policy: America's Food Supply, Health, and Economy at Risk."

The panel discussed the 2015 Blue Ribbon Panel on Biodefense report, which noted the U.S. is still highly vulnerable to biological agents, including biological weapons and natural disease threats to agriculture.

"I think these are issues that deserve the highest attention and the most critical prioritization as we look at public policy in the context of national security," said Daschle, as he described his firsthand experience with bioterrorism during the 2001 anthrax attacks. "I don't think anyone disputes the importance of the issue, but what I don't think has hap-

pened is that we have given it the kind of attention that it so justly deserves."

Rogers, former chairman of the House Permanent Select Committee on Intelligence, described how terrorists have become much more sophisticated and he highlighted the discovery of a laptop in Syria with a documented strategy for using biological warfare.

"It will happen," Rogers said. "It is a matter now of are we prepared to deal with it, and have we set ourselves up for being successful in either beating it, disrupting it or reacting to it. And I think today, probably not."

Myers said that when U.S. troops went into an Afghanistan cave in 2002, they found an al-Qaida list of planned bioweapons pathogens, including six human pathogens, six livestock and poultry pathogens, and four plant pathogens.

Crops are the under-addressed aspect of bioweapons, Myers said. A major outbreak of food animal or food crop diseases would do more than create an economic impact; it also would create fear among people and lead to distrust of the government — exactly what terrorists want.

"Food crop diseases are almost the perfect weapon because they involve rela-

tively soft targets," Myers said. "There is no danger to the perpetrator because they're not going to be injured by what they are doing. It will take some time to discover it, especially with our current surveillance methods, which are inadequate. Plus, it will be very difficult to have attribution."

The university's biosafety level-3 Biosecurity Research Institute at Pat Roberts Hall supports comprehensive "field-to-fork" infectious disease research programs that address threats to plant, animal and human health. The Biosecurity Research Institute is jump-starting research planned for the National Bio and Agro-defense Facility, including work on Japanese encephalitis, Rift Valley fever, classical swine fever and African swine fever.

Tammy Beckham, dean of the College of Veterinary Medicine, participated in a second panel at the Bipartisan Policy Center. She has spent a majority of her career in protecting food systems and discussed how to better use resources to combat bioterrorism.

"In the U.S., we have a very robust agricultural production system and we are thankful for that," Beckham said. "The very things that make it robust also make it

susceptible to disease introduction."

Beckham noted critical gaps in the U.S., such as inadequate countermeasures, undeveloped diagnostic tests and a lack of a comprehensive biodefense program. She said it is important to incentivize people

and organizations to improve biosecurity and address One Health — which involves connections between human, animal and environmental health.

The university will con-

tinue encouraging executive-level involvement in addressing agricultural concerns as well as collaboration between researchers from different universities and organizations.

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ANTIQUE AUCTION

SUNDAY, NOVEMBER 13 — 10:00 AM

Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley SALINA, KANSAS

GUNS, MILITARY, WESTERN, HUNTING & FISHING

Guns sells at 10:00 a.m.

Remington Sportsman 48 16 ga vent rib poly choke; Civil War 12 ga shotgun large hammer; Hawker 50 cal brass, engraved, like new; Marlin 22 bolt, short long; military rifle stock & barrel parts; BB's & CO2 gas cartridges; military blanks w/clips; 40 Federal shot shells #8; Kansas safety hunting patches; brass shotgun shells; cast Hitler bust; Nazi (Luftwaffe office hat, officer picture, propaganda picture, backpack w/maps); doctors bag w/instruments; patches; WWII medals, Russian hat; Kennedy bust; Jolly Joe bank; trench art jewelry; WWII atomic sign; Spanish American war print stamp; WWI viewer cards; KKK music; Vietnam uniforms; tank commander leather helmet; Navy officers hat; trench tools; soldier clock; Confederate "General Stewart" decanter; Navy swimsuit; Civil War buttons; Old West steel jailhouse door; Indian items inc.: (pictures; North American book by Catelin; flute; deer horn buttons; whips; 3 Kachina figures; large artist signed Kachina; child's beaded purse); cow skull; cow hide rug; horse-shoes; high back saddle; brass stirrup; horse blanket; horned hat rack; crocks; carved red horse; Levi jeans apron; cowboy hats; cast iron insect boot-jack; John Wayne VHS movies; modern hunting bow; wooden arrows; wrist rocket sling shot; child's bow; plastic Rambo 45 toy gun; large brass & wooden glass eyed fishing lures; electronic lures; fishing rods & reels; fishnet; small eagle figure; wooden train whistles; handgun magazines; Coleman lamps w/funnel; horse bits; Tom Clancy's rainbow six strategy guide; hunting & pocket knives; honing stones; sword; spear; turkey decoy; wood canvas camping cot; trench art pipe; logging photos; sports cards; taxidermy fish & lobster; Coleman stove in box; Newhouse traps; periscope.

FURNITURE & COLLECTIBLES

Victorian walnut 3 pc. bedroom set w/marble top; Art Deco couch & chair; Victorian organ stool; black forest corner shelf; oak S roll top desk; pattern back chairs; Shaker shelf; 1700's Winsor chair; folding walnut Victorian chairs; walnut rocker; ornate pump organ; Victorian walnut table; Mission oak chair; oak architectural gingerbread; oak coatrack; high chair; wicker & wood folding chair; Asian brass & wood chest; Persian rugs; trunks; wood crates; Railroad inc.: (keys; Santa Fe

Note: This is a large auction with many unique items. Check our website for pictures at www.thummelauction.com.

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Grass & Grain, November 8, 2016

Five options to consider for CRP land

**By Katelyn Brockus, DEA
River Valley
Extension District**

When times get tough in the farming and ranching community, producers start seeking out additional resources to help them pull through. One of those resources in the past have been to put portions of land into the Conservation Reserve Program (CRP), which

is a cost-share and rental payment program under the United States Department of Agriculture and is administered by the USDA Farm Service Agency. Unfortunately, a very small percentage of requests were granted this year with regards to CRP. With the current markets, this might have been a resource that producers have been using in the past

that is no longer available to them. With that said, what options do producers have for the land that has been forced out of CRP? This topic was covered well by Mykel Taylor, KSU Agriculture Economics Specialist, at a local Tuttle Creek WRAPS meeting.

If you find yourself in a situation where you have lost your CRP ground or it was not renewed, it is important to think through your options. The options for producers comes down to these five production practices: pasture, hay ground, non-irrigated cropland, non-ag revenue streams, or selling.

The first option is to turn your CRP acres into pasture ground. The first advantage to this production practice is that you pay lower property taxes for pasture land than cropland. The second advantage is that it is likely to be a fixed cash rent. With a fixed cash rent scenario, the producer knows what the expected income will be on a year to year basis. For the first few years of production, that pasture will not be able to be able to handle the average stocking rate. With time and a good

range management plan, the pasture will slowly become more productive. Some of the disadvantages to putting CRP land into pasture grazing is the lack of fencing and water supply. Those are large expenses that must be calculated into the budget. An example can be discussed on this option by stopping in the Washington office.

The second option is to turn your CRP ground into hay ground. Hay is currently relatively inexpensive as these past couple of years have been good to us with regards to adequate moisture. The hay market tends to vary with regional supply and transportation costs in order to get the hay into areas of demand that are usually experiencing drought. However, just because the hay market is down this year does not mean that haying is not the best economical option. The expected costs are lower with haying than for pasture because the investment has not been made for fencing and a water source. An example has also been done for this scenario and is based off of approximate yields from the field.

The third option is to turn your CRP into cropland. As producers might expect, CRP ground is typically not the best ground which is usually why it has previously been in CRP. The expected returns for leasing this cropland will be discounted as it is typically lower quality ground. It will be of utmost importance that farmers get a soil test done if this option is the one that is chosen. Some of the factors in breaking CRP into cropland include: cash flow to pay for inputs, decrease in yields, resisting the urge to till as it could be highly erodible land, and crop rotation could be modified for the first few years to get a no-till system in place. With all of this said, the economics of breaking CRP land into cropland looks unfavorable at this point. Once again, an example can be provided for this scenario.

The fourth option is to consider non-agricultural revenue streams such as governmental assistance programs, conservation easements, or recreational leases. If the producer decides to break CRP land into pasture, then look for governmental programs for providing assistance with capital for fencing and establishing watering systems. Another option is to look into conservation easements. However, these types of programs can typically have a negative impact on land value for future landowners due to limitations on use. Walk-in hunting through Kansas Wildlife

and Parks is a viable option; however, typically this arrangement can be low dollars per acre rents. The positive to this arrangement is there are no liability concerns for the landowner. Another option is to rent privately if there is a history of good hunting on the ground. It is important in this situation to consider liability costs. This rent can be negotiated based off of the amount of services offered.

The last option available is to sell the land. The current land values across the state are softening, but it still has value at this point. When evaluating land values in the area, high quality ground is remaining steady as the lower quality ground is slowly beginning to soften. This is a viable option at this point if this option best fits the landowner.

As one can see, there is no perfect answer for this situation. Every producer and landowner has different needs, resources, and abilities. The most important thing to remember is to consider all options. Some might not be viable for one landowner, but it might work perfectly for the next. Be sure to utilize the resources available through K-State Research and Extension as we are more than willing to discuss options and go through examples in order for the producer to make an informed decision. Feel free to call or email Katelyn Brockus, kbrockus@ksu.edu 785-325-2121, with additional questions.



Raine Garten exhibited the grand champion breeding doe at the Central Kansas Free Fair. Rocky Swearingen judged the event.

AUCTION
SUNDAY, NOVEMBER 13 — 12:00 NOON
27177 SNOKOMO ROAD (approx. 7 miles South of I-70 & Snokomo Road), PAXICO, KANSAS

TRACTOR, UTILITY TRAILER, GENERATOR/WELDER, TOOLS, ELECTRICAL/CONSTRUCTION EQUIPMENT, FURNITURE
See last week's Grass & Grain for listings!
JACKIE WILT

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THE HEIENS LAND
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Dickinson County Farmland Offered in 3 Tracts

FARMLAND AUCTION
Thursday, November 17, 2016 7:30 p.m.
Sale held at the Abilene Civic Center 210 NW Second, Abilene, Kansas

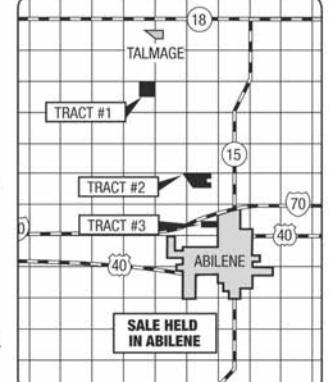
GENERAL INFORMATION: These farms have been owned by the Heiens family for a number of years and offer the opportunity to purchase good, productive, well-located farmland in areas where land seldom changes hands. Take a Sunday afternoon drive and give these properties a look. Visit www.riordanauktion.com for soil maps, FSA photos and other information.

TRACT #1: NE/4 of 24-12-1E. 108.58 acres tillable (all open), 2.4 acres CRP, 9.63 acres waterways and approximately 37 acres grass, timber and waste. Predominately Geary Silt Loam, Class III soil. 2015 taxes were \$1,937.48 based on 157.6 taxable acres.

FSA INFORMATION:

Farmland Acres	Cropland Acres	Wheat Base/Yield	Sorghum Base/Yield	Soybean Base/Yield	Corn Base/Yield
Tract#1 156.59	120.85	64.2/35	17.4/53	15.0/16	n/a
Tract#2 212.00	189.34	75.3/35	40.2/53	17.3/16	6.1/55
Tract#3 76.52	66.86	34.9/35	9.6/53	n/a	n/a

The above are FSA estimates only and are not guaranteed.



TRACT #2: W/2 NE/4 and NW/4 lying East of Railroad right-of-way in 5-13-2E and 2.1 acre tract located in NE corner of 6-13-2E. 159.80 acres tillable (all open), 2.7 acres CRP, 43.0 acres creek, timber and waste. Predominately Muir Silt Loam, Class I soil. 2015 taxes were \$2,596.25 based on 212.64 taxable acres. (6.06 surveyed acres containing home and outbuildings are NOT included in the sale).

TRACT #3: N/2 SE/4 of 8-13-2E. 46.86 acres tillable (all open), 18.2 acres CRP and 10.14 acres creek timber and waste. Predominately Muir Silt Loam, Class I and Elsmere Sandy Loam Class II soils. 2015 taxes were \$795.12 based on 75.2 taxable acres.

RECREATIONAL POSSIBILITIES: Have you ever wanted to purchase a highly productive farm with timber and a beautiful creek meandering through it that allows for outstanding deer/turkey hunting and enough firewood to last for generations? Take a look at Tract #2. A versatile, well located farm of this type is seldom offered at public sale.



SELLERS: Heirs of WR and Gladys Heiens

PERSONAL PROPERTY AUCTION
SATURDAY, NOVEMBER 12 — 10:00 AM
2323 North Jackson — JUNCTION CITY, KS

FURNITURE & APPLIANCES: Oak Rectangular Table w/6-Side Chairs, Curved Glass China Cabinet, Kitchen Table w/4-Chairs, 3-Extra Wide Ekornes Chairs w/Foot Stools, 1-Regular Ekornes Chair w/Foot Stool, Oak Coffee Table, 3-Lamp Tables, Pine Lamp Tables, 5 Piece Queen Size Bedroom Set, 4 Piece Queen Size Bedroom Set, Maple Blanket Chest, 6 Gun Cabinet w/Deer Etching, 3-Quilt Racks, 4 Shelf & 5 Shelf Stacking Book Cases, 6 Shelf Glass Display Case, 2-Rolling Shelf Units w/Doors, Office Chair, Oak Display Case, 5 Shelf Oak Display Case, 3-Oak DVD & CD Cabinets, Table Lamps, Antler Lamp, Pine Tree Lamps, Panasonic 5 Disc CD Player w/Speakers, Panasonic 43" & 37" Flat Screen TVs, Toshiba Flat Screen TV, Frigidaire Humidifier, Kenmore Side-By-Side Refrigerator w/Ice & Water in Door, Whirlpool Electric Range, 7 Cu Ft Kenmore Chest Freezer, Kenmore Front Load Washer & Matching Dryer.

GLASSWARE & COLLECTIBLES: Pfaltzcraft Dishes, Setting of 8 "Anglers Expressions" Dishes, Crystal Stems, Wildlife Cups & Stems, Wolf Coffee Cups, Green Glass Pitcher, Lion Nester, Glass Canister Set, Glass Animal Figurines, Bear Figurines, Wildlife Pictures & Drawings In Barn Wood Frames, Kerosene Lamps, 6 Gal Churn w/Handle On Top, Model Airplanes, Supplies For Painting & Making Model Airplanes, Paint Booth For Models, WWII Books.

TOOLS & MISCELLANEOUS: Toro Self Propelled Mower, Weed Eater Gas Hedge Trimmer, Weed Eater Gas Leaf Blower, Echo Straight Shaft String Trimmer, Toro 524 Electric Start Snow Blower, Yard Machine Electric Start Snow Blower, Stihl MS311 18" Chain Saw, Stihl MS192 Chain Saw, Woxw Lawn Cart, Werner 6' Step Ladder, Workmate, 10 Gal Air Bubble w/Hose, Torch Cart & Torch, Hand Truck, B&D Bench Grinder, Hand Tools, 2-High Lift Jacks, Shop Vac, Shop Fan, Ladder Stand Off, Log Chains, Chimney Brush, Several Metal Organizers, Coleman Lantern, Electric Fire Place (Metal), Small Kitchen Appliances, Food Saver, Stainless Steel Cookware, Tackle Box w/Tackle, Garden Cart, Garden Hose, Wheel Barrow, Wind Mill, Bird Bath, 3 Dog Feeding & Watering Stations, Bird Feeders & Waters, Wooden Barrel Planters, Ammo Boxes, Yard Art, Outdoor Rocking Chairs, Small Fitness Exercise Machine, 2-Igloo Coolers, Weber Charcoal Grill, AND MANY MANY MORE ITEMS TO NUMEROUS TO LIST. FOR PICTURES GO TO KANSASAUCTIONS.NET

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REAL ESTATE AUCTION
SATURDAY, NOVEMBER 19 — 10:30 AM
3996 E. Stimmel Road — NEW CAMBRIA, KANSAS
4 minutes East of Salina

FEATURES OF PROPERTY
Going down a country lane in the back of almost 3.5 acres is a lovely 3 bedroom, 2 bath home with cupola. Over 1,700 sq. ft. and a very desirable open floor plan. Includes an enclosed area for spa or porch or office. Updated Kitchen & Baths. The basement is finished in barn wood for a lovely country appeal. 2 Car Garage.

Enjoy the peace and tranquility this home has to offer!
TAXES: 2015 Property Tax \$2276.92. **YEAR BUILT:** 1975
TERMS ON PROPERTY: A 2.5% Buyers premium will be added to the final bid. 10% down day of auction and sign sales agreement. Balance due in certified funds at closing on or before December 20, 2016 upon merchantable title. Home sold in as-is condition. No warranties expressed or implied by Coldwell Banker Antrim-Piper Wenger REALTOR® or Seller. All inspections including lead based paint inspection are to be completed prior to auction at Buyer's expense if requested. Title Insurance shared equally between Buyer and Seller. Taxes prorated to closing. Buyer to produce preapproved letter from lender. Sale is not contingent on the buyers obtaining financing. Auction price to be approved by seller. Announcements day of auction take precedence over printed material.

Designated Sellers Agent: Mark Baxa REALTOR®
Coldwell Banker; Antrim-Piper Wenger REALTORS®
Auction conducted by: Mark Baxa REALTOR®/Auctioneer
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785-827-3641 or cell 785-826-3437
mbaxa@cbsalina.com

ON SITE AUCTION
Personal Property to sell after sale of home at 10:30 AM
SELLER: LARRY & GENERA FARMER TRUST
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A look at Jagger's double decade impact

By Alex Lessard

This year marks the 22nd anniversary of Kansas State University's hard red winter wheat variety, Jagger. This variety has made an impact in several countries, states and individual farms since its release in 1994. Not only was it one of the most widely planted varieties, but one of the best parent varieties as well.

Dr. Rollin Sears, a retired wheat breeder for K-State and later AgriPro/Syngenta, made the initial cross for Jagger and several other widely accepted varieties during his career.

"When I came to Kansas, I noticed that most of the time wheat never ripens in Kansas. It usually dies because of the drought or high temperature. So, I was looking for and making crosses to try to identify wheats that would actually ripen and not die. Jagger was that variety."

Jagger was named after Minneapolis, Kansas, wheat farmer Joe Jagger. Prior to that time, K-State had never named a wheat variety after a wheat farmer before, since they were always named after locations. Sears wanted to name the variety after Jagger, but wasn't sure if it was the right thing to do.

I asked four or five key

wheat breeders, after Joe's passing, and all of them started to cry because they felt so affectionate for Joe and realized the impact he'd had on wheat, so I knew it was the right decision," said Sears on naming the variety after Jagger.

Over the past few years, Jagger has been marketed by the Kansas Wheat Alliance (KWA). This variety may not be seen in many fields across the state as Jagger any more, but it lives on in the pedigree of several current varieties. Those varieties include K-State's Everest, Joe - KWA's newest hard white wheat variety released in 2015 - and Tatanka, one of KWA's newest hard red wheats released this fall. In addition to having a high percentage of pedigrees worldwide, it was also part of the foundation for wheat breeding.

Sears explained the moment he chose the cross for Jagger.

"I could take you to the exact spot where Jagger was selected at Ashland Bottoms. It was just one of those things where you're just walking along and you're looking at thousands of rows of wheat and then, all of a sudden, you come to this row, and it's like love at first sight when you see it, and you know that this is going to be a successful variety of

wheat," said Sears.

Jagger was planted in two foundation fields in its first year. Nine years later, it reached its peak and had nearly 35,000 acres of Certified seed production with 1.3 million bushels of Certified seed produced that year. Even this year, Certified Jagger is still being produced. During the span of 22 years, over 10 million bushels of Jagger Certified seed has been sold in Kansas alone.

In the first spring after Jagger's release, a series of killing frosts wiped through Kansas, severely injuring many of the Jagger fields. During that time, several farmers had started to give up on Jagger, but after a cool spring with a few good rains, Jagger fields made an astounding recovery. After that, Jagger had a series of good years with successful yields.

Sears recalled knowing that Jagger would be a good variety because he noticed there was something special about this variety, but he never imagined that it would be such a popular variety, accepted in so many different places.

Jagger's strengths include a fast establishment in the fall, exceptional baking quality, good performance on low-pH soils, very good drought tolerance and

moderate resistance to tan spot. On the other hand, Jagger had a few weaknesses. This variety had been known to shatter, have a below-average straw strength, is susceptible to leaf rust and Hessian fly, moderately susceptible to stripe rust and had below-average test weight.

This popular variety has been successful across all the Central and Southern Plains. It also has good tolerance to drought and wheat streak mosaic virus in the region.

At the Borlaug Summit convention in 2014, a farmer from the Republic of Georgia, a small country between Europe and Asia, told Sears he had wanted to thank him for a long time because Jagger had saved his farm.

In Jagger's lifespan, it was planted as a significant variety in 12 countries. It was a hard working variety for farmers because it was dependable and didn't give up. At one point, Jagger was planted on nearly every acre in south central Kansas.

"It's humbling to know that at one point you held all the Jagger that existed in the world in the palm of your hand. Then the seed was increased and grown by everybody and got up to over 15 million acres," explained Sears.

USDA invests \$1.7 billion to protect sensitive agricultural lands through Conservation Reserve Program

USDA will issue nearly \$1.7 billion in payments to more than half of a million Americans who have contracts with the government to protect sensitive agricultural lands. The investment, part of the voluntary USDA Conservation Reserve Program (CRP), will allow producers to protect almost 24 million acres of wetlands, grasslands and wildlife habitat in 2016.

CRP provides financial assistance to farmers and ranchers who remove envi-

ronmentally sensitive land from production to be planted with certain grasses, shrubs and trees that improve water quality, prevent soil erosion, and increase wildlife habitat. In return for enrolling in CRP, USDA, through the Farm Service Agency (FSA), provides participants with rental payments and cost-share assistance. Landowners enter into contracts that last between ten and 15 years.

More than 1.3 million acres were newly enrolled in CRP in fiscal year 2016 using the continuous enrollment authority, double the pace of the previous year. In

fiscal year 2016, FSA also accepted 411,000 acres through its general enrollment authority, plus 101,000 acres in the new CRP-Grasslands program, which balances conservation with working lands. More than 70 percent of the acres enrolled in CRP-Grasslands are diverse native grasslands under threat of conversion, with more than 97 percent of the acres having a new, veteran or underserved farmer or rancher as a primary producer.

CRP has sequestered an annual average of 49 million tons of greenhouse gases, equal to taking nine million

cars off the road, and prevented nine billion tons of soil from erosion, enough to fill 600 million dump trucks.

For more information about CRP, contact your local FSA office or online at www.fsa.usda.gov/crp. Visit www.fsa.usda.gov/crpis30 or follower Twitter at #CRPis30 for program anniversary background and success stories. To locate your local FSA office, visit http://offices.usda.gov.

Survey shows millennials increasingly receptive to animal fats in diet

A survey of 1,000 adults from Ipsos Research shows that consumers are becoming more receptive to including animal fats in their diets, and millennials are the leading group. Overall response of those surveys was a nine percent year-over-year improvement in receptiveness in animal fats. However, millennials showed a 15 percent increase at a total of 24 millennial respondents saying they are receptive to animal fats in their diets.

For more information on the survey, visit <http://tinyurl.com/10-28-16-Millennials>.

PERSONAL PROPERTY AUCTION

SUNDAY, NOVEMBER 13 — 11:00 AM
Location: Louisville Gym, 3 Miles North of Wamego on Hwy. 99

BOAT: 17' Herters Canoe w/weighted Keel; 17' Canoe Trailer; 12' American Fiber-Lite Sport Canoe; Old Fire Chief Boat Motor; Sling Shot Para Sail (2); **HORNS, FURS, & BONES:** Mounted Cobra Snake; Ig. mounted Texas Longhorns; Deer & Elk Antlers; Prehistoric Bones; Indian Artifacts; Willy Mammoth, spine & hip; Kansas Camel; Animal Skulls (fish, bison, camel); Furs (beaver, fox, etc.); Pre-Kansas Elk Sheds; Deer Hydes; petrified wood; Iron wood animals. **ANTIQUES & COLLECTIBLES:** Bar & Cabinet out of Grieves (Wamego); Various Antique wood chairs; Myers Pump (Feb. 15, 1921); C.I. Stove parts; screen door; gal. wash tub; Kalimba African Finger Musical Harp; 35 Day Centurian Clock; 31 Day Brookwood Clock; Ingraham Mantel Clock; tractor seat & tractor seat stool; cream separator; child's wagon wheels; pocket watches; belt buckles (Tony Lama State of Kansas Seal, 10th Anniv. of Ranch Saloon, McFarland, KS 1887-1987 & many more); 1930s Lamp Post w/Glass Globes (NICE); smoke stand; fishing reels & lures; Budweiser mugs; Buick HD oil can (unopened); Top Cigarette Tobacco Tin; Singer oil can; Allis-Chalmers Repair Parts #507628 Tin (unopened); lots of bottles; lighters; automobile ornaments; kerосene lamps & parts; barn lanterns; draw knife; cameras; glass doorknobs; radio; ice tongs; serv. crocks (some handled, 2 & 4 gal & others); creamers; serv. glass insulators (Pinco, GE, Philo & others); magazines; serv. Navy Books; Korean helmet; WWI helmet; framed Civil War pictures; Lone Wolf picture; Lone Elk picture (unique); Augers Hollis Pheasant picture; White Tiger pictures; 1984 Cougar picture—Ron Fehr; 1946 Film picture; Finson water color Buffalo picture; Pott. Co. Pork & Bean Band Framed picture by Lou Borgendale; various Pott. Co. Pork & Bean Band Posters & other posters; Lineman posters (Equi Zone & others); Metal Fall Out Sign; Metal Wild Turkey Reward Sign; C.I. Bear Welcome sign; Beer signs; Jack Daniels, Corona, Southern Comfort & Coors mirrors; Jack Daniels tray; Miller Racing Tin sign; Michelob Light; Budweiser pool table light; Miller Light RC Boat; Bals Ballerina Liquor bottle & other liquor bottles; Coca-Cola items. **TOOLS:** Companion drill press; bench grinder; GB HD Sidewinder bender (like new); 2 table saws; 10" band saw; 6.0hp 30 gal. Craftsman air comp; chop saw; cordless drills; sanders; chain saw; axes & hatchets; welding table; sm. solvent cleaners; chisels; drill bits; woodworking tools; leather tools; screwdrivers, vise grips, pipe wrenches, sockets; C-clamps; log chains; saw blades (sev. sizes); hand saws; mitre boxes; levels; surveying tripod; levels; air hose; misc. automotive parts; creepers; car ramps; 2T floor jack; rope winch lines; wood pulleys & blocks; Reese hitch; receiver; pendel hitches; air tank; ext. ladder; cobbler's vise; metal cabinets; organizers; nuts, bolts, screws. **LINEMAN, ELECTRICAL & PLUMBING:** Hot Sticks; Lineman Saddles; tool belts; Underground Secondary Cable; Elect. Panels, Wire, Boxes, etc.; Lighting Arrestors (var. sizes); Lots of Plumbing & Electrical Supplies.

SELLERS: REX & ANGIE FAIR *Lots more ... see website!*

Crossroads Real Estate & Auction LLC

7840 E US Hwy 24, Manhattan 785-539-2732
Andrew Sylvester, Auctioneer 785-456-4352
Terri Hollenbeck, Broker/Owner, 785-223-2947
www.crossroads.com • LUNCH SERVED!

Wheat emerging as fall harvest continues

For the week ending October 30, 2016, temperatures averaged ten degrees above normal and dry conditions were experienced across the State, according to the USDA's National Agricultural Statistics Service. There were 6.5 days suitable for fieldwork. Topsoil moisture rated 7 percent very short, 25 short, 65 adequate, and 3 surplus. Subsoil moisture rated 5 percent very short, 20 short, 72 adequate, and 3 surplus.

Field Crops Report: Winter wheat condition rated 2 percent very poor, 7 poor, 34 fair, 48 good, and 9 excellent. Winter wheat planted was 92 percent, near 95 last year and the five-year average of 94. Emerged was 75 percent, near 74 last year and 78 average.

Corn harvested was 93 percent, equal to last year, and near 90 average.

Soybeans harvested was 75 percent, near 80 last year and 77 average.

Sorghum harvested was 71 percent, near 74 last year, but ahead of 60 average.

Cotton condition rated 1 percent very poor, 3 poor, 28 fair, 64 good, and 4 excellent. Cotton bolls opening was 91 percent, ahead of 83 last year, and near 90 average. Harvested was 13 percent, behind 18 last year, and near 17 average.

Sunflower condition rated 1 percent very poor, 3 poor, 28 fair, 62 good, and 6 excellent. Sunflowers bracts turning yellow was 97 percent, near 95 last year and 98 average. Bracts turning brown was 90 percent, near 87 last year and 92 average. Harvested was 50 percent, near 51 both last year and average.

Livestock, Pasture, and Range Report: Pasture and range conditions rated 1 percent very poor, 5 poor, 27 fair, 56 good, and 11 excellent.

Stock water supplies were 2 percent very short, 7 short, 87 adequate, and 4 surplus.

LAND AUCTION
153± Acres • Marion County, Kansas



Wednesday, November 16 • 10:00 AM
at the McPherson County Fairgrounds

1506 27th Avenue • Canton, Kansas

Farmers National Company

For property details, contact:
Chris Ostmeyer, AFM/Agent
Kechi, Kansas
(316) 788-4240 or (785) 672-8672
COSTMEYER@FarmersNational.com

Van Schmidt Agent/Auctioneer
Newton, Kansas
(620) 367-3800 or (620) 345-6879
[www.FarmersNational.com/VanSchmidt](mailto:VanSchmidt@FarmersNational.com)

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SELLER: Terrie Rietbrock and Eugene Rietbrock

HILL REALTY
LAND AUCTION
2:30 PM

HILL REALTY
785.764.0782
TOM HILL LISTING BROKER

AUCTION LOCATION:
SENIOR CENTER
115 EN MAIN
ELLSWORTH, KS

SE4 20-16-8

160 acres m/l in
Ellsworth County
Kansas

RICHARDSON'S HOMESTEAD REALTY AND AUCTION
785.899.2328

TERRY RICHARDSON BROKER/AUCTIONEER
GOODLANDHOMESTEAD.COM

AUCTION
SATURDAY, NOVEMBER 19 — 10:00 AM

Auction will be held in the Republic Co. 4H building in the Northeast corner of BELLEVILLE, KANSAS

ANTIQUES & COLLECTIBLES
Hoosier type painted kitchen cabinet; oak spring rocker; walnut 20's buffet; 20's parlor table; walnut end table; painted kitchen table & chairs; ice cream chair; Maytag 40's cook stove; 2 pc. blonde bedroom set; 20's magazine rack; camel back trunk; steamer trunk; tool chest; Wittall Virgin wool rug; school desk; wall telephone; candle stick telephone; foot lockers; British 303 rifle; Astra 600-43 Guernica Espana Compa Fitasa pistol; 2000 Hot Wheels; 300 Ertl collector banks; collector tractors; 30 collector airplanes; muscle cars; match book collection; collector ice skates; cast iron mail box; wash tub; cream can; scythe; 8 gal Birch Leaf crock; 3 gal Red Wing crock; 3 gal Red Wing churning; 1 gal crock jug; car tags; sad iron; Franklin Livestock sign; walking plow; garden cultivator; large collection of other collectables.

HOUSEHOLD & TOOLS
England couch; 3 wing back chairs; oak coffee, sofa & end tables; 60's floor lamp; blonde desk; Ranbo vacuum; baskets; roaster; card table & chairs; TV trays; Sawzall; electric saws, drills; assortment hand tools; boomers; winch; new 36" Larson outside door; step ladders; garden tools; fans.

Note: This is a large auction with many collections. We may run 2 auctions part of the day. Check our web site for pictures at www.thummelauction.com.

VIDA BOMAN

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
785-738-0067

Auction Calendar

Online only (bidding ends Dec. 1) — 4BR, 2BA house, shop & storage at Manhattan for Laura Crabs. www.ruckertauctions.com Auctioneers: Ruckert Realty & Auction.

November 9 — Commercial real estate, bar lights, kitchen equipment, Bingo equipment, office equip., piano, Christmas decor & much more at Ogden. Auctioneers: Ruckert Realty & Auction.

November 9 — Tractor & payloader, trucks, pickups, trailers, farm equipment, campers, harvesting equipment at Horace for Grubb & Sons, Inc. Auctioneers: Berning Auction.

November 9 — 890 acres m/l Jackson County farmland held at Whiting. Auctioneers: Farmers National Company.

November 10 — Historic 2 1/2 story Victorian brick home at Topeka. Auctioneers: Miller & Midgett Real Estate, Wayne Wischropp.

November 10 — Northeast Kansas multi-par home & land auction held at Ozaukee for Roberta E. Hagemann Trust. Auctioneers: United Country Real Estate, Heart of America

Real Estate & Auction. November 10 — 177 acres m/l Morris County land offered in 3 tracts held at Council Grove for Don Heller Heirs. Auctioneers: Horizon Farm & Ranch Realty, LLC.

November 11 — Spring calving bred heifer sale at Parsons for Sunflower Supreme annual sale.

November 12 — Tractors, trucks, livestock trailers, farm equipment & more at Garnett for Mrs. Ed (Donna) Mader & John Mader. Auctioneers: Kurtz Auction & Realty.

November 12 — Appliances, household, furniture, antiques, collectibles, misc. dishes, bales of hay at Abilene for Wick Brothers. Auctioneers: Ron Shivers Auction Co.

November 12 — Tractors, vehicles, farm machinery, boat & farm related at Goessel. Auctioneers: Van Schmidt Auctions.

November 12 — Singer Featherweight 221, turquoise rings & bolo ties, PD pedal tractor, toy trucks & farm tractors, coins, collectibles, old & new furniture, mower, woodworking power tools & household at McPher-

son for Roger Horn, Wanda Shoger & others. Auctioneers: Oswalt Auction Service.

November 12 — Furniture, appliances, glassware, collectibles, tools & misc. at Junction City for William F. (Biff) Fox Estate. Auctioneers: Brown Real Estate & Auction Service, LLC.

November 12 — Coins at Portis for Kenneth Heisey. Auctioneers: Wolters Auction.

November 12 — Coins at Emporia. Auctioneers: Swift-N-Sure Auctions & Real Estate.

November 12 — John Deere lawn mower, snow blower, tools, wood planes, walnut, pecan & cedar lumber, Fender Strat guitar, PD amp & case, furniture, household & more at Paxico for Roger & Gloria Nixon. Auctioneers: Gannon Real Estate & Auctions.

November 12 — Tools, equipment, household & collectibles at Geneseo for Irene & Sherman Hart Estate. Auctioneers: Stroh's Real Estate & Auction, LLC.

November 12 — Guns & coins at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

November 12 — Building materials, steel building & storage trailer, signs, machines & assorted parts, new garage door parts, tools & supplies, trailer, duals, tires, wheels & misc. at Wamego for KanEquip of Wamego (after new construction auction). Auctioneers: Cline Realty & Auction, LLC.

November 12 — Real estate & personal property at Barnes for Gerald Ricard Estate & Floyd Sutton Estate. Auctioneers: Olmsteds & Sandstrom.

November 12 — 712 acres m/l acres south central Pottawatomie County land in 5 tracts, CRP, pasture, crop ground, hay meadow & hunting held at Wamego for Thomas Family Trust & Lucille M. Berges Trust. Auctioneers: Pearl Real Estate & Appraisal Service.

November 12 — 149.31 acres m/l Marshall County land (farmland, hunting & fishing acreage, house & pas-

ture) sold in 3 tracts held at Blue Rapids for James Baldwin, Pauline Baskett, Kelly Crook. Auctioneers: Donald Prell Realty & Auction.

November 12 — 117 acres m/l Nemaha County land held at Seneca for Lazy D Ranch (Les Droege Heirs). Auctioneers: Seneca Realty, Mike Kuckelman Dale Wilhelm auctioneer.

November 12 — Cow herd reduction & Top 20 bull sale at Leonardville for High Tech Beef, Michael & Sharon Lindell.

November 12 — Moser Ranch 25th SimAngus, Simmental & Angus Bull Sale at the ranch, Wheaton.

November 12 — Furniture, pressed cut glass, pottery, appliances, jewelry, coins, guns, garden, yard & hand tools, mowers, tiller, tent & more at Shawnee for Steve Thompson. Auctioneers: Miller Auction, LLC.

November 13 — Boat, horns, furs & bones, antiques, collectibles, tools, lineman, electrical & plumbing items & misc. at Louisville for Rex & Angie Fair. Auctioneers: Crossroads Auction Real Estate & Auction, LLC.

November 13 — Tractors, tools, pickups, household & more at Osage City for local sellers. Auctioneers: Wischropp Auctions.

November 13 — 1969 David Brown tractor, Miller Bobcat generator/welder, tools, construction equip., wood burning cook stove, furniture, collectibles at Paxico for Jackie Wilt. Auctioneers: Gannon Real Estate & Auctions.

November 13 — Guns, military, Western, hunting & fishing items, furniture & collectibles at Salina for Lin Stanionis. Auctioneers: Thummel Real Estate & Auction, LLC.

November 13 — Selling 3 homes in Osage City for Hinck Properties. Auctioneers: Wayne Wischropp, Miller & Midgett Real Estate.

November 13 — 5th wheel camping trailer, 1995 Cadillac, JD riding lawn tractor, furniture, porcelain, glassware, collectibles, coins, jewelry, household at Manhattan for Geneva A. Denholm Trust. Auctioneers: Gannon Real Estate & Auctions.

November 13 — Trailers, golf cart, shop equipment, lg. asst. of metal & misc. at Topeka for Mrs. (Brad) Ann House. Auctioneers: Elston Auctions.

November 13 — Building materials, kitchen cabinets, counter tops, doors, windows, flooring, lumber, lighting, appliances & much more at Manhattan. Auctioneers: Totally Auction.

November 13 — Jewell County Kansas land held at Jewell for Susan K. Schuller Topliff. Auctioneers: Thummel Real Estate & Auction, LLC.

November 13 — 80 acres m/l Marion County cropland held at Hillsboro for Sharon L. Englebright Trust. Auctioneers: Leppke Realty & Auction.

November 13 — Tools, collectibles, stone crocks, glassware, household & more at Beattie for Mrs. Hilda (Cleo) Knight. Auctioneers: Olmsteds & Sandstrom.

November 13 — Antiques, collectibles & furniture at Council Grove for the Boyer & Tiede Families. Auctioneers: Hallgren Real Estate & Auctions, LLC.

November 13 — Household, collectibles & tools at Con-

cordia for Rex Whitney. Auctioneers: Thummel Real Estate & Auction, LLC.

November 16 — Tractors, loader, truck, pickups, farm equipment, trailers, other farm items, shop & household at Scott City for Jerome & Mary Berning Trust, Berning Organics, Inc., Berning, Inc. Auctioneers: Berning Auction, Inc.

November 16 — 153 acres m/l Marion County held at Canton. Auctioneers: Farmers National Company.

November 17 — 286 acres m/l Franklin County Farm, investment & hunting land held at Ottawa for Joseph W. Hiatt Estate. Auctioneers: Webb Realty Auctions & Appraisals, Dave Webb & Kevin Borger.

November 17 — 445 acres Dickinson County Farm-land offered in 3 tracts held at Abilene for Heirs of WR & Gladys Heiens. Auctioneers: Riordan Auction & Realty.

November 17 — 560 acres m/l Ellsworth County land held at Ellsworth for Kenneth N. Prochaska. Auctioneers: Homestead Realty & Auction, Tom Hill, Hill Realty, listing broker.

November 17 — 160 acres m/l Ellsworth County land held at Ellsworth for Terrie Rietbrock & Eugene Rietbrock. Auctioneers: Homestead Realty & Auction, Tom Hill, Hill Realty, listing broker.

November 17 — 5th wheel camping trailer, 1995 Cadillac, JD riding lawn tractor, furniture, porcelain, glassware, collectibles, coins, jewelry, household at Manhattan for Geneva A. Denholm Trust. Auctioneers: Gannon Real Estate & Auctions.

November 17 — Police cars, Explorer, Lexus, furniture, household, antiques, collectibles, gardening & more at Manhattan for Riley County Police Dept. seized assets & several estates. Auctioneers: Totally Auction.

November 17 — Pickup, tractors, machinery, primitives & far related collectibles West of Council Grove for the Boyer Family. Auctioneers: Hallgren Real Estate & Auctions, LLC.

November 17 — Selling 2 single wide mobile homes at Burlingame for Robert & Shirley Atchison. Auctioneers: Wayne Wischropp, Miller & Midgett Real Estate.

November 17 — Jewell County Kansas land held at Jewell for Susan K. Schuller Topliff. Auctioneers: Thummel Real Estate & Auction, LLC.

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November 17 — Antiques, collectibles & furniture at Council Grove for the Boyer & Tiede Families. Auctioneers: Hallgren Real Estate & Auctions, LLC.

November 17 — Household, collectibles & tools at Con-

cordables, household & tools at Belleville for Vida Boman. Auctioneers: Thummel Real Estate & Auction, LLC.

November 19 — Real estate, house & outbuildings, guns, vehicles, tractors, equipment, trailers, tools, mounts, furniture & misc. at St. George for Estate of Steven R. Ukena. Auctioneers: Crossroads Real Estate & Auction, LLC.

November 19 — Household & collectibles at Beattie for Mrs. Hilda "Cleo" Knight. Auctioneers: Olmsteds & Sandstrom.

November 19 — Tractors, grain trucks, combine, farm machinery at Osage City for Mrs. Keith (Jane) Lewis. Auctioneers: Wischropp Auctions.

November 19 — 275 acres m/l Nemaha County farmland, pasture land, native meadow & farmstead offered in 3 tracts held at St. Benedict for Rupert R. Rethman Estate. Auctioneers: Cline Realty & Auction, LLC.

November 19 — Building materials, kitchen cabinets, counter tops, doors, windows, flooring, lumber, lighting, appliances & much more at Manhattan. Auctioneers: Totally Auction.

November 19 — Police cars, Explorer, Lexus, furniture, household, antiques, collectibles, gardening & more at Manhattan for Riley County Police Dept. seized assets & several estates. Auctioneers: Totally Auction.

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November 19 — Household, collectibles & tools at Con-

AUCTION
SATURDAY, NOVEMBER 12 — 9:00 AM
4-H Building, 600 West Woodside, MCPHERSON, KS
Singer Featherweight Model 221; turquoise rings & bolo ties; JD 420 pedal tractor w/wagon; toy trucks & farm tractors; old Buddy L & Hubley trucks; coins; collectibles; old & new furniture; Dixon 42 inch mower; woodworking power tools; lots of household

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REAL ESTATE & PERSONAL PROPERTY AUCTION
SATURDAY, NOVEMBER 19, 2016 — 9:00 AM
11080 Luning Road — ST. GEORGE, KS 66535
Real Estate sells at 12:00 Noon • Property will be offered in 3 Tracts
House has 2 BR, 1 BA, built in 1900 & remodeled in 1986.
• 30x40 Shop and a Barn. This will be a Multi Parcel Auction
Tract 1: 20+/- Acres with house, outbuildings and pond.
Tract 2: 20 +/- Acres of Native Grass. Tract 3: Tracts 1 & 2

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Andrew Sylvester, Auctioneer 785-456-4352
Bridget Rainey, Auction Services Coordinator,
785-477-7202
Terri Hollenbeck, Broker/Owner, 785-223-2947

REAL

November 29 — 51.3 acres m/l Spring Creek & 6 Mile Creek land, wildlife recreation, Morton buildings held at Herington. Auctioneers: Griffin Real Estate & Auction Service, LC.

November 29 — Mill Creek Ranch Female & Bull Sale held at the Stout Center, Manhattan.

November 30 — 3BR home at Ogden. Auctioneers: Crossroads Real Estate & Auction, LLC.

December 1 — Clay & Riley County Kansas farmland & pasture held at Green for Donald D. Rosenow & Phyllis I. Rosenow Irrevocable Trust. Auctioneers: Clay County Real Estate, Greg Kretz, sellers agent & auctioneer.

December 2 — Marion County grassland sold in 2 tracts held at Lincolnville for Estate of Merlin & Verlene Kaufman. Auctioneers: Griffin Real Estate & Auction Service, LC.

December 3 — Morris Council farmland & house sold in 4 tracts held at Burdick for Miser & Fischer Families. Auctioneers: Hallgren Real Estate & Auctions, LLC.

December 4 — Guns at Salina.

na. Auctioneers: Wilson Realty & Auction Service. December 8 — 222 acres m/l prime Franklin County Kansas farm & investment land with mineral income held at Baldwin City for Colt Energy. Auctioneers: Dave Webb, Webb Realty Auctions & Appraisals in cooperation with Heck Land Company, Kelvin Heck.

December 10 — Guns, sporting items, tools at Perry for Mrs. Dale (Judy) Fowler. Auctioneers: Wischopp Auctions.

December 10 — Farmstead with ranch-style brick home, barn & pens, farmland, pasture 7 hunting property & machinery held N. of Baileystown for Dale & Debbie Waller. Auctioneers: Cline Realty & Auction, LLC.

December 12 — 66 acres m/l Pottawatomie County farmland & pasture with building site potential held at Wamego for Erma Jean Witt. Auctioneers: Cline Realty & Auction, LLC.

December 15 — 105 acres m/l Riley County native grassland held at Randolph. Auctioneers: Gene Francis & Associates.

Kansas State University Feed the Future lab helping establish agricultural research center in Cambodia

Kansas State University has received a \$2.5 million award from the U.S. Agency for International Development to boost agricultural innovation and growth in Cambodia, a country where 80 percent of the population is directly or indirectly involved in agriculture.

USAID's Cambodia mission made the award through the university's Feed the Future Innovation Lab for Collaborative Research on Sustainable Intensification, which was funded by USAID in 2014 to improve global food security by developing technologies that help farmers produce more food and nutrition on the same land base while protecting natural resources.

Vara Prasad, university distinguished professor of agronomy and the lab's director, said the award will be used to establish the Center of Excellence on Sustainable Agricultural Intensification and Nutrition at the Royal University of Agriculture, known as RUA, in Phnom Penh.

RUA is considered Cambodia's top agricultural university and is a key player for innovation and engagement with the public and private sector, as well as farmers.

"This award showcases Kansas State University's leadership in sustainable food production, both do-

mestically and internationally," said John Floros, dean of the College of Agriculture, and director of K-State Research and Extension.

Manny Reyes, a Kansas State University research professor and agroecological engineer, will be the center's coordinator and work with RUA scientists.

"This center will tap into intellectual capital from scientists around the globe, especially the United States, to research, teach and extend science-based innovative technologies to poor farmers, especially women and youth," Reyes said.

"Cambodian rural communities suffering from hunger and malnutrition will intensify the growing, consuming, sharing and selling of vegetables, rice, fruits, bamboo, wood, fish, frogs, ducks, eggs, chickens, pigs and cows in a diverse, nutritional, 'little-of-everything' production system," he said.

Other U.S. universities and Feed the Future innovation labs will work together to develop technologies that improve Cambodian horticulture, integrated pest management, livestock systems and aquaculture.

"No single university can

address future challenges by itself," said Ngo Bunthan, rector of RUA. "In this era of globalization and interdependence, cooperative partnerships with other institutions of academic excellence around the world are not an option, but a necessity."

At a ceremony to launch the center, William Heidt, the U.S. ambassador to Cambodia, said there is room for Cambodia's agricultural sector to grow further and become more competitive in the region and the world.

"Cambodia has the potential to be an engine for economic growth, rural development and to strengthen global food security," Heidt said.

As the U.S. government's global hunger and food security initiative, USAID's Feed the Future initiative works with its partners and 19 countries to develop agricultural innovations to improve hunger, poverty and undernutrition around the world. As a Feed the Future project, the Center of Excellence on Sustainable Agricultural Intensification and Nutrition in Cambodia will include international exchange programs with Kansas State University; the

University of California, Davis; Virginia Tech; University of Florida; University of Illinois; Penn State University; Michigan State University; and North Carolina A&T.

The project also includes establishing five technology parks in agro-ecological zones of Cambodia. The techno-parks will showcase promising strategies and innovations that could benefit smallholder farm production and encourage interaction between the private sector, researchers and farmers.



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REAL ESTATE AUCTION

MONDAY, NOVEMBER 21, 2016 — 7:00 PM

Auction will be held in the Community Center on the South side of the square in JEWELL, KANSAS

N ½ SW ¼ & S ½ S ½ NW ¼ 21-8-6 Jewell Co. Kansas

The farm is located on 150 Road ¼ mile North of C Road. There are 118.06 acres. 1.12 waterways. Bases are wheat 76.35, 36 bu yield; corn 3.85, 49 bu yield; grain sorghum 21.00, 70 bu yield; soybeans 2.65, 32 bu yield; for a total base of 103.85. The farm is in ARC county program.

Taxes: Seller will pay 2016 taxes. Purchaser will pay 2017 taxes. 2015 taxes were \$2,103.48.

Possession will be after 2017 Triticale harvest. Purchaser will receive cash rent of \$62.50 per acre on the 2017 Triticale. Purchaser will pay

SUSAN K. SCHULLER TOPLIFF

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MORRIS COUNTY REAL ESTATE AUCTION

SATURDAY, DECEMBER 3, 2016 — 12:30 PM

2476 Diamond Creek Road — BURDICK, KANSAS

DIRECTIONS: Approx. 12 ½ miles north of US Hwy. 50 on Diamond Creek Rd. to Auction site. OR Approx. 91/2 miles west of Council Grove on US Hwy 56 to 1900 Rd. Then south 4 miles to Z Ave. Then west and south approx. 4 miles to Diamond Creek Rd. Then south and east approx. 3 miles to Auction site. WATCH FOR SIGNS.

OPEN HOUSE for TRACT 1: Sunday, November 27 • 1:30-3:30 PM

DESCRIPTION:

Tract #1: 2476 Diamond Creek Road 38.7 acres with 3 bedroom ranch style house which has 2,100 sq. ft. Several outbuildings as well. Acreage consists of 12.6 acres of Mason & Reading silt loam farmland with the balance pasture & timber, which is fenced.

Tract #2: 2249 Diamond Creek Road 93 acres, more or less, with 29 acres of farmland and the balance native grass with timber. Very productive farmland with Mason & Reading silt loam soil types. Should have excellent hunting potential with

Terms & Conditions: 15% earnest money due the day of the auction. Balance due when merchantable title and Warranty Deed are delivered. Possession at closing Properties sell in As-Is condition. All Buyer's inspections are to be done prior to the auction. Sale is not contingent on the Buyer's obtaining financing. All acreage amounts are based on FSA and county records and are deemed reliable, but are not guaranteed. Broker and Auctioneers are representing the Sellers.

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AUCTION

SATURDAY, NOVEMBER 19 — 9:30 AM

3025 JEANNIE LANE — MANHATTAN, KANSAS

2003 Outback 27' 5th wheel camping trailer with one slide out, excellent condition.
1995 Cadillac Fleetwood Brougham, 89,000 miles, one owner, good clean car; John Deere LX172 riding lawn tractor/mower.
Heywood Wakefield dining table, 2 leaves, pads & 8 chairs; Heywood Wakefield desk, end & step tables; Heywood Wakefield table; Heywood Wakefield (Cadence) bedroom suite with bed, dresser, chest, mirror & end table; Heywood Wakefield coffee table.
Dining room suite with table, 10 chairs, china cabinet & server; 2 Oak 3-section stack bookcase; Franklin Shockey Co. sculptured dresser, chest & mirror; 2 mauve living room chairs; loveseat sofa; 2 Wing-back chairs (light green); long sofa; 2 mauve swivel rockers; SW style couch; 1950's china hutch; matching drop-leaf coffee table; end tables & stand tables with drawer; 2 cedar chest; brown living room chair; Zenith console TV; pair end tables; 2 small tables; 1950's blonde table; 4-drawer chest; desk; shelves; white granite top metal cabinet; gateleg dropleaf table; Mission Oak bookshelf; tall fern stand; 2 hall tables; 2 glass ball & claw foot piano stools; fern stand; yellow 1950's table; Philco radio; 2-door metal cabinet; primitive 6-drawer cabinet; Samsung 32" flat screen TV; 2pc green retro couch & 2 chairs; Kenmore automatic washer; Westinghouse dryer; 3-section bookcase; swivel vanity stool; twin springs & mattress; Mahogany bookcase; console sewing machine & stool; antique wardrobe/chifferobe; Walnut caned rocker & chair; spinet desk; wood drying rack; folding chair; 4-drawer file cabinet; King brass headboard; white metal cabinet; bench; floor lamp; vanity stool; 2 clothing racks; 2 & 4-drawer file cabinets; Maytag wringer washer; school desk.
46 handpainted bowls & plates; RS Germany, Bavaria, Limoges, France, RS Prussia, Austria, Silesia & others; Fredric Remington 'Cheyenne' figurine; bust; 12 place setting Noritake 'Morning Jewel' china & serving pieces; cut & pressed glass; Swarovski candleholders; 3 heavy glass bowls; crystal balls; cut glass nappy & small bowls; 7 cruets; glass pitcher; covered jar; quality glass vases; relish dishes; glass baskets; crystal bell; German cracker jar; crystal tree; pink ice bucket; Northwood Carnival pitcher & 2 tumblers; green Carnival handled jar; Collector plates; silverplate coffee server set; crystal knife rest; salt dips; candleholders; crystal creamer & sugar sets; flatware; sterling spoons; punch bowl set; crystal coffee server; salt & pepper shakers; glass Swedish Dahlia horse; Nippon bowl; teapots; etched relish dishes; toothpick holder; Tea Leaf platter; figurines; Fenton compote; fondues; glass serving dishes; Lefton snack set; salt & pepper shakers; many nice vases; tumblers; silverplate trays; silver butter dish; Lady head vases; Saki set; brass items; Red Wing bowl; 2 small Vaseline vases; chamber pot; Willie Wildcat & other decanters; Fenton bird; pink creamer & sugar; glasses; Nesmith owl seed bird; Oriental Rubbing picture; coffee grinder; sword in sheath; lard press; corn sheller; HO train set, 9 cars, track & transformer; Train operation book; key chain collection; marbles; brass door knobs; buttons; collection of pens & pencils; puzzles; marble desk set; apple peeler; 3 gallon elephant ear churn; kerosene lamps; wooden plane; Political posters & signs-Reagan, Bush etc.; celluloid dresser set; cast iron skillet; carving set; etched stemware; collection of ashtrays; ice bucket; many glasses; pump Merry-go-round bar; insulators; Avon; Powhatan & Baker; Ks plates; animated & other Santa's; large hooked rug; Early Roseville vase; Tinker Toys; flower frogs; brass bells; pink depression; Carnival vase; Tapestry vase; Mary Jane child mannequin; Elk creamer; beanpot; Pyrex bowls; 2 Cubby wind-up bears; Life & Post magazines; copper boiler; crock jug; many records; clown tape dispenser; cast iron circus wagon; souvenir & advertising glasses; Big Chief, Manhattan, Kansas pop bottle; Mattel Merry Music box; Santa knickerbocker(1935).
9 Silver dollars; silver \$1/2; 82 Ike dollars; Indian Head pennies; silver certificate; miscellaneous silver dimes; Buffalo nickels; Foreign coins.
Pearl necklace; Political pins; Thailand sterling bracelet; lots costume jewelry; Rhinestone jewelry; Turquoise watch band; Bolo ties; pocket watch; cuff links; Gold bracelet & earrings; post cards; Peace pipe; Army sock box; Farm Bureau items; miniature tools; cast iron 'bank' bank; Avery tractor watch fob; advertising pins; pocketknives; miniature animals; matchbook collections; cigarette lighters; '51 Flood book; Life & Saturday Evening Posts magazines; Ft. Riley items; K-State papers & books.
Kirby vacuum & attachments; Sunbeam microwave; Polaroid Model 95 land camera; Electrolux vacuum; fireplace tools & log rack; TV stand; 5 brass lamps; Kenmore Progressive vacuum; variety of pictures; oval mirror; Linden wood clock; Walnut wood ware; candles & holders; sheet music; records; kitchen utensils; Tupperware; pots; pans; Pyrex; kitchen appliances; bedding; bar items; kitchen items; Holiday decorations; ice cream freezer; wreath; decorator tree; wooden truck; baskets; lots of books; Exit signs; VHS tapes; shoe shine kits; towels; sewing notions; hankies; tins; planters; tablecloths; greeting cards; cigar boxes; cameras; roller skates; andirons; card table & chairs; medical items; wheelbarrow; cast iron implement seat; Roadmaster Mt. Storm bike; Platinum SX bike; Next PowerX bike; Sprit 76 bike; sled; irons; clocks; yardsticks; TV trays; wood ladders; nutcracker; lawn windmill; harrow section; golf bag & clubs; Fisher-Price basketball goal; John Deere 322 snow blower; hand & garden tools.

NOTE: Very clean large interesting Auction!

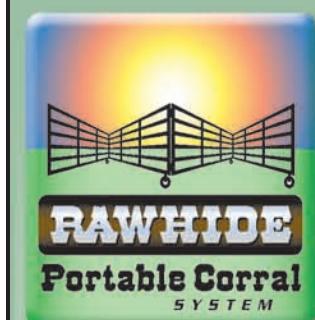
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Researchers identify vaccine to help reduce antibiotic use in cattle

Researchers at Kansas State University (KSU) recently patented a vaccine that may prevent *Fusobacterium necrophorum* bacterial infection. This bacterium is responsible for causing liver abscesses, calf diphtheria and foot rot in cattle. According to a press

release from KSU, the vaccine uses a two-pronged approach. The vaccine first immunizes against leukotoxins to ensure that there are natural antibodies built up in the liver to fight the potential bacteria. The second element of the vaccine helps the animal produce

antibodies that will prevent the bacteria from attaching to the animal's organs, thus rendering them unable to cause infection.

To learn more about the research, visit <http://tinyurl.com/KSU-10-21-16>.



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