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New ag entrepreneurs learn from experts at Launch A Business Program

By Lucas Shivers

Drawing on experiences and key lessons for new agri-businesses, Kyle Wall and several other Kansas entrepreneurs learned from Kansas State University professors and business partners in the 2016 Launch A Business (LAB) Program. Wall, with a new company called Garden Hub, created an app to allow gardeners to showcase and sell their products. "People want clean healthy food, and they don't know where a lot of the food they purchase is coming from," Wall said. "This is changing the way that people buy their food."

K-State supports startups in the third annual LAB program, powered by Kansas State Bank. LAB provides entrepreneurs with faculty-led courses, hands-on student research teams and access to the alumni mentor network. Targeting early-stage companies, LAB provides the building blocks for turning a concept into a successful venture. Participants receive no cost, no equity advice and expertise, with a targeted effort to support global food systems industries.

"The LAB program allows us to share our expertise with the community," said Chad Jackson, director of the university's Center for the Advancement of Entrepreneurship in the College of Business Administration. "Our faculty, alumni and students are incredible resources, and we are excited



Participating in the 2016 LAB program were, from left: Chad Jackson, Phil Howe, Kyle Wall, Jared Tremblay, Dave Dreiling and Tyson Johnston.

to ask them to volunteer to support the next great startup ventures."

Kansas-based startup founders with scalable, for-profit businesses or ideas are selected for identifying a real problem and an innovative solution, demonstrating the drive to succeed and ability to incorporate feedback.

Tyson Johnston, a junior at K-State majoring in operations and supply chain management, co-founded Agrinix Solutions in 2015 with his brother Bryce, a K-State alumnus in computer information systems.

Together, they are on a mission to help industries grow and maintain peak performance by providing operations with preformed decision making tools that

streamline their operation and improve their bottom line with CorralHub.

"We are preparing to solve our first problem for the beef industry which really hits home for us," Tyson Johnston said. CorralHub is a cloud based livestock management software program and first all-in-one solution to get beef producers tracking and managing their livestock operation. "Rural communities today are being devastated by the rise of corporate power in livestock production," Johnston said. "Fewer than 600,000 full-time family-ran operations provide the domestically produced beef that we eat."

Many producers are struggling to keep up with the laws of supply and de-

mand, forcing family-owned farms and ranches out of the market.

"Working alongside the LAB program has given us the opportunity to validate our product with several family-owned operations in rural communities across Kansas," Johnston said. "This has allowed us to foresee CorralHub being the solution that brings leverage back to private beef producers and ultimately bringing economic growth back to our rural communities." Through a new company called Agrinix Solutions, entrepreneur Tyson Johnston specializes in providing modern software solutions for agriculture and other livestock industries. "Our products utilize historical data, analytics and user

feedback to provide better record keeping and decision making tools," Johnston said. "Our first product under development is CorralHub, a cost efficient user friendly web and mobile based Livestock Operations Management Software assisting farmers, ranchers and feedlots in managing their operation." Johnston said CorralHub allows operators a cost-effective and convenient way to improve production, time management and financial stability for small and large scale operations. Users can track and record day-to-day operations at the convenience of a phone, tablet or desktop. Additional ventures seek to improve life in rural areas. Jared Tremblay's New Heritage Mapping, which brings community cemeteries from the past to the present by leveraging the internet to take local history and connect it to the world. Kimberly Plevniak created Clara Diagnostics to develop diagnostic tests using low-cost, 3D printed chips combined with smartphone readout and distance communication with doctor office. One prototype is for diagnosis of anemia from one drop of finger-prick blood in 60 seconds. "Such smartphone-based, low-cost, low-consumption, portable and disposable test will substantially increase healthcare quality and accessibility," Plevniak said. More details can be found at k-state.edu/lab.

Downturn in entrepreneurship reversed in 2015

The Kansas City-based Ewing Marion Kauffman Foundation produces an annual report on the index of entrepreneurship. The index is an umbrella of annual reports measuring entrepreneurship across national, state, and metro levels. In the latest 2015 Kauffman Index, the downward projection of the past year was reversed, meaning more entrepreneurs launched their own businesses. 2015 was the largest year-over-year increase in the past 20 years. Yet, researchers caution that the increase is still well below historical trends.

Additional findings in the 2015 Index show that 310 out of 100,000 adults, or 0.31%, started new businesses each month, on average an increase over the previous year's 0.28%. These rates equate to just over half a million (530,000) new business owners a month. The creation and growth of new companies are at the heart of upward trends with employment, wage growth, productivity and other factors.

KPA participates in South Steps Fridays at the Capitol

The Kansas Pork Association participated in Ag Day at the South Steps recently as part of the South Steps Fri-



The Kansas Pork Association, Kansas Corn Growers Association and Kansas Soybean participated in Ag Day at the South Steps recently as part of the South Steps Fridays series coordinated by the Kansas Department of Administration. *Courtesy photo*

days series hosted by the Kansas Department of Administration. The event is

held at the historic Kansas Statehouse in downtown Topeka and highlights differ-

ent industries and groups each week, offering a variety of information booths and

activities to learn more about the state—from travel and tourism to education, health and more.

The KPA had the model pig barns on display and also gave out bacon and bacon jerky samples. Kansas Corn Growers Association and Kansas Soybean also shared the space with KPA.

"There's nothing more

important than knowing where your food comes from," said Jodi Oleen, KPA Director of Consumer Outreach. "South Steps Fridays gave us the opportunity to connect people who cook with people who farm. We were honored to be among the groups representing agriculture in Kansas."



Free samples of bacon and bacon jerky were just one of the ways the groups found to present agriculture in a positive light at the South Steps Friday event.



Land is sacred

By John Schlageck,
Kansas Farm Bureau

Almost every farmer or rancher has said this in one way or another, "My life begins with the land."

Look at it any way you want, but this bedrock principle remains as it has for generations. Land ownership is the key to our business of agriculture.

Farmers are proud of the crops they grow and the land they work. Ranchers love their grasslands and the cattle that graze upon them.

From the time our first

ancestors dropped seeds into the ground – to today's ag producers, who use global positioning satellites – they were, and are, linked to the land. It's who they are and defines the vocation they have chosen.

Many Kansas farmers and ranchers have raised their families, crops and livestock on ground that has been in their families for generations and for some more than 100 years. When producers farm land that long it becomes part of them. It is their way of life. Something they do each and

every day; a vocation that occupies their time and mind always.

The land is something they cherish and love. Seeing it bring life to the seeds they sow is an experience farmers anticipate each year. They look forward to cultivating the crop and protecting it from insects that would cut yields and rob grain from people who depend on this precious food source.

Farmers also anticipate the coming of each year's harvest when they gather the fruits of another year's labor. Not only do this nation's farmers produce great quantities of grain but they also take pride in producing a top-quality product – one of the finest and healthiest in the world.

The fondest wish of most farmers is to pass their land

on to their children. They work for years, and often a lifetime, to leave a legacy of good land stewardship.

Most farmers learn about conservation and respect for their land from their parents. They continually seek new and better ways to work their soil to ensure they are able to pass it on to succeeding generations.

One farmer friend once told me, "If I thought for one minute I was ruining my land, I'd give up farming."

Land is the lifeblood of a farmer or rancher whether it helps them produce grain or livestock. Producers have a deep-seated feeling of honor to be the owner and caretaker of land that has been in their families for generations. They understand that one day they will pass from this earth but the land will remain. They strive to leave the land in a little better condition.

These stewards of the

soil realize their ancestors came to this country and settled with the belief it was the land of opportunity for them and future generations. They hope their children will see this investment in the land the same way and leave the farm in better condition for their children.

Land is sacred for the farmers and ranchers in Kansas who tend the soil and care for their livestock.

They take this stewardship seriously. They've devoted their lives to safeguarding their farms and families while providing us with the safest, most wholesome food in the world.

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

Tell your conservation story and you could be a Legacy winner

Share the story of how conservation is part of your farm operation, and you could be the next winner of a Conservation Legacy Award. This awards program showcases farm management practices of U.S.

soybean producers that are both environmentally friendly and profitable.

All U.S. soybean farmers are eligible to enter to win a Conservation Legacy Award. Entries are judged on soil management, water management, input management, farmstead protection and conservation and environmental management. Three regional winners and one national winner are selected.

Award Winners Receive:

- An expense-paid trip for two to Commodity Classic, March 2-4, 2017, in San Antonio, Texas.

- Recognition at the ASA Awards Banquet at Commodity Classic.

- A feature on your farm and conservation practices in *Corn & Soybean Digest* and a special online video.

- Potential opportunity to join other farmer-leaders on a trip to visit international customers of U.S. soybeans.

The Conservation Legacy Awards are sponsored by the American Soybean Association, BASF, Corn & Soybean Digest, Monsanto, the United Soybean Board/soybean checkoff and Valent.

All applications must be submitted by Sept. 2, 2016.



We rotated cows to a fresh pasture recently. Moving cows used to stress me out but I have learned to relax over the years. Okay, my family would probably tell you that I still get pretty cranked up about moving them and the worst case scenarios go through my head each time I open the gate and let them out into the road. However, the cows at my place have generally been here for several seasons and they have a better idea of what is going on than I do. In other words, my cattle drives usually work in spite of all my worrying and planning.

That day was no exception. Isaac was on his horse, Dad was riding his ATV and I was piloting the good old, loud feed truck with alfalfa on the back. Truth be told, the move could probably be made with just the old, loud feed truck, I am not even certain we need the alfalfa for anything more than to make the old cows bunch up at the gate and wait for the calves. Isaac does a good job of convincing the calves that it is a good idea to keep pace with the cows.

We hold the cows back at the gate because once they hit the road there is no turning back and the calves are often not smart enough to figure out that the gate is open if they don't see their mama go through it. This time, the cows were relatively close to the gate and soon followed me. I waited patiently while Isaac and his horse pushed the calves down and Dad ran up to a high spot to make sure we didn't have any stragglers.

Once I saw Isaac, I let go of my grip on the bales (experience tells me the cows will drag them off and then you have gridlock) and started moving. Sure enough, once the old cows hit the road they started the mile jog toward fresh pasture. Like a NASCAR driver starting at the back of the field I weaved my way up through the herd but only managed to make it half way before the finish line was in sight.

The cows were picking up momentum, I started to worry that they were going to go right on past the gate and began to formulate Plan B in my head. However, as they came

up even with the gate each cow made a hard right and went into the pasture. I made it to the gate ahead of most of the calves and turned them into the pasture. That is when I noticed my two compadres bringing up the rear were not in sight.

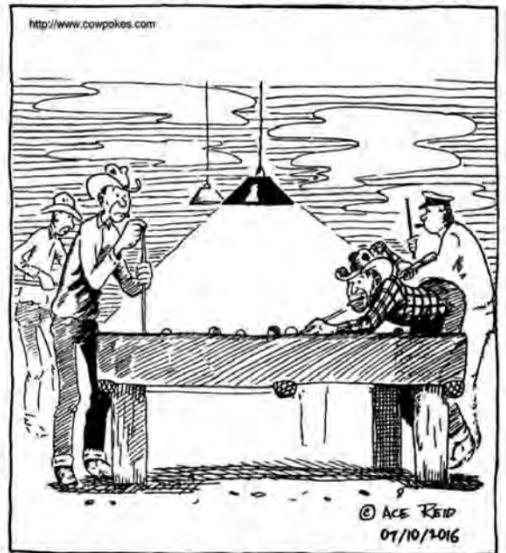
Just as I started to worry, they popped up over the hill each of them on either side of Lucky the cow. Lucky was taking her own sweet time, eyeing the green grass on either side of the road. Lucky is the former 2007 Pottawatomie County Bucket Calf Champion and famous in her own beany little brain.

Her life started out tragically. We found her standing over her dead mother one February morning and she came to live with us. Tatum named her Lucky and she was the kids' first cow. Lucky was the daughter of a first calf heifer who died giving birth to her so we were not sure if she would be a good mother. There must be a fair amount of instinct involved with mothering because she is an excellent mother and raises a nice calf each year.

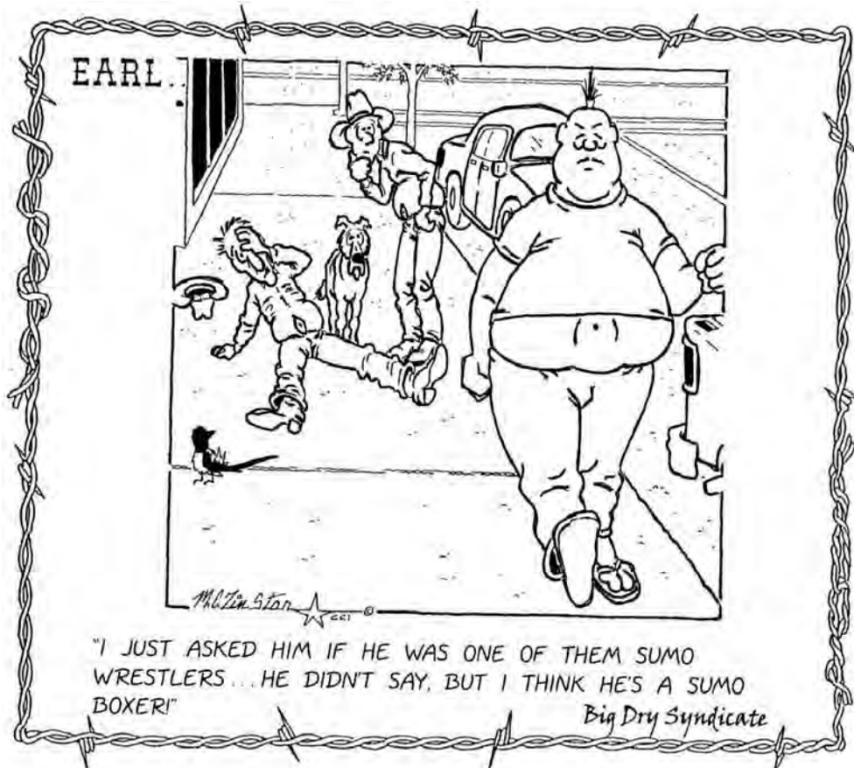
Lucky isn't much to look at; she is pretty narrow and way too thin. Each year we wonder if she is bred and luckily enough (for her) she is and often is one of the first to calve. She walks with a noticeable limp. Two or three different times she has come up lame on the same back foot. The first time she was caught in wire and cut the foot up pretty badly. It was right before calving and we thought for sure she would lose the calf. Nope, in true Lucky fashion she calved, raised a respectable calf and bred back on time all while looking like death warmed over. Each year we debate on culling old Lucky and each year she escapes that long trailer ride by, well, being lucky.

I have come to expect her to be the last one out into the road when we drive the cows. We overlook her bony appearance and we tolerate her slow limping gait. Why? Is it because she is a good old cow who keeps producing each year? Maybe, but I truly suspect it is because she has a name and a story and everyone knows that cows like that never die. They just limp on to greener pastures.

COWPOKES® By Ace Reid



"Fortunately, I quit worrin' about gittin' rich several years ago. This lets me devote all my time to improving' my pool game."



"I JUST ASKED HIM IF HE WAS ONE OF THEM SUMO WRESTLERS... HE DIDN'T SAY, BUT I THINK HE'S A SUMO BOXER!"

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Soybean Commission chairman thanks value chain for its support

Despite potentially large stocks and export challenges, the value chain has taken advantage of several opportunities to create a more optimistic outlook for soybean demand and prices. Kansas Soybean Commission chairman Dennis Grubenbacher, who farms near Andale, issues the following statement to recognize the industry's collaborative efforts:

"The Kansas Soybean Commission, on behalf of all soybean farmers, would like to thank our customers. Whether you bought soybeans, soybean meal, biodiesel or soy oil or you consumed pork, chicken, beef, fish, turkey or milk

(soy or dairy) in the past several years, you have been great partners in challenging us to grow more soybeans. We also would like to thank our processors, who have increased their processing of soybeans into meal and oil, and all our export buyers and marketers, who have delivered our products to countries all over the world so we could increase the protein diets of many starving people in this world.

"Many uncertainties hover over the U.S. soy marketplace, yet farmers maintain a positive attitude for the long run, thanks to expanding soybean uses.

"First, high-oleic soy-

bean oil promises to help reclaim a share of the demand lost to trans-fat concerns. Those new soybean varieties offer premiums to farmers without changing their production practices much. We are thankful that contracts already are available in north-central and northwestern Kansas and look forward to that innovation's spreading to the rest of the state in the next year or two.

"Also, U.S. soybean-meal use is expected to grow 2 percent per year for the next few years. If that applies to animal agriculture in Kansas, it could mean feeding the meal from an additional 1 million bushels

of soybeans to pigs, beef cattle and dairy cattle in 2018. That doesn't take into account that the global aquaculture-feed market is growing at 10 percent per year, and soybean-protein products are crucial to meeting that demand.

"In Japan, Taiwan, South Korea and India, soybean-meal use has grown 10 million tons over the past five years. That's more than 425 million bushels. As those and other economies continue to develop and their diets evolve, demands for plant and animal proteins will reach new heights. Our global development partners at the World Initiative for Soy in Human Health,

U.S. Soybean Export Council, Kansas State University's IGP Institute, federal and state agencies, and private exporters continue to enhance U.S. soybeans' market preference, consumption and utilization.

"As for the soybean-oil market, biodiesel uses about one-quarter of U.S. production. If renewable-fuels legislation favors expansion, biodiesel's use of soybean oil could increase significantly - up to another 3 billion pounds, or about 280 million bushels.

"Finally, new uses in consumer and industrial products are growing rapidly and providing price support for farmers. New soy-based products are quickly gain-

ing popularity as overall performance improves and manufacturers replace petrochemicals with our safer, renewable product.

"While we farmers continue to meet the challenge of producing a consistent supply in terms of both quantity and quality, the checkoff and the entire value chain have worked for more than 20 years to build demand so we know there will be markets for the soybeans we grow. Therefore, while soybean production has increased more than 70 percent over that period, the inflation-adjusted price has held its own.

"This is just an example of our soybean-checkoff dollars working."

Survey shows Vermont GMO label misleads consumers

A recent online survey of 1,665 online primary shoppers examined consumer understanding of five common on-pack food labels, and found that on-pack labeling of genetically modified ingredients (GMOs) strongly misleads consumers. The American Soybean Association (ASA) points to the data as evidence of the potential impact of the approach in Vermont, which is now five days into the implementation of its labeling law.

When consumers were asked about the GMO label statements mandated by the Vermont law, the survey showed that on-pack labeling misled substantial percentages of consumers to wrongly perceive the labeled product as less safe, less healthful, less nutritious, and worse for the environment. The Vermont label requirements are so disparaging to consumer perceptions of products that approximately 73% of consumers indicated they would be less likely to buy foods bearing one of the required on-pack GMO label disclosures.

The data come from a large consumer survey conducted June 13-21, 2016 by the MSR Group and sponsored by ASA and fellow food and agriculture trade associations, including the

Corn Refiners Association, National Council of Farmer Cooperatives, National Grain and Feed Association, and SNAC International. The five food labels tested were common food label statements related to trans-fat, allergens, gluten, organic and GMOs.

Key Takeaways

The Vermont on-pack GMO disclosure requirements are powerfully disparaging. The Vermont mandated GMO label statement caused approximately

- 36% of consumers to incorrectly perceive the food to be "less safe."

- 28% of consumers to incorrectly perceive the food to be "less healthful."

- 22% of consumers to incorrectly perceive the food to be "less nutritious."

- 20% of consumers to incorrectly perceive the food to be "worse for the environment."

- 73% of consumers to be less likely to buy the food.

Consumer perceptions varied significantly by age group. Using the Vermont law's "produced with genetic engineering" disclosure option to illustrate, consumer perception that the labeled product is -

- "Less safe" ranged from 48% (18-34 years old) to 27% (35-44 years old).

- "Less nutritious"

ranged from 45% (18-24 years old) to 7% (65+ years old).

- "Less healthful" ranged from 41% (18-24 years old) to 18% (65+ years old).

- "Worse for the environment" ranged from 32% (25-34 years old) to 13% (55+ years old).

ASA and its partner associations that commissioned the large consumer perception survey issued the following joint statement:

"The survey demonstrates that the Vermont on-pack GMO labeling law that is effectively setting GMO labeling policy for interstate commerce is misleading to consumers and powerfully disparaging of a safe, environmentally appropriate technology. The Roberts Stabenow compromise bill now pending in the U.S. Senate would preempt the inappropriate Vermont GMO labeling law and permit GMO disclosure without the on-pack labeling that is so misleading and disparaging to consumers.

"With shocking clarity, the survey results demonstrate why food companies would be pressured to switch to non-GMO ingredients to avoid the requirement of on-pack GMO label disclosure and potential conflicting multi-state labeling requirements. Switching away from GMO

ingredients is the key assumption of a recent economic analysis that concluded the Vermont on-pack GMO label law would increase food costs for the average American household by approximately \$1,050 annually. The Roberts Stabenow bill would avoid the Vermont GMO labeling law's disparagement of biotechnology and attendant steep increase in consumer food prices.

"While the survey did not test specific GMO disclosure options under the Roberts Stabenow bill, that legislation would authorize disclosure through multiple means, including an internet link that would allow food companies to include informative statements that educate, rather than mislead, consumers. Since the Roberts Stabenow compromise is the only viable legislative option to pre-empt the Vermont GMO labeling law, the survey results strongly suggest support for the Roberts Stabenow compromise."

Nobel laureates urge Greenpeace to end GMO opposition

Recently over 100 Nobel laureates signed a letter to Greenpeace, urging the organization to end its opposition toward genetically modified organisms (GMO). The primary crop in question was "Golden Rice," which Greenpeace has actively worked to oppose and keep from being commercialized. This crop has the capability to reduce Vitamin-A deficiencies (VAD) for malnourished children in the developing world. According to the World Health Organization, 250 million people suffer from VAD, including 40 percent of children under five in the developing world. VAD is the

leading cause of childhood blindness affecting 250,000-500,000 children annually. Of those, 50 percent die within 12 months of losing their eyesight.

An excerpt from the letter reads, "We call upon Greenpeace to cease and desist in its campaign against Golden Rice specifically, and crops and foods improved through biotechnology in general."

To read the full article from the *Washington Post*, visit <http://tinyurl.com/GMO2-7-1-16>. To read the letter and learn more about the Nobel laureates' campaign, visit <http://tinyurl.com/SPA-7-1-16>.

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SAUSAGE & BISCUIT CASSEROLE

- 1 can flaky biscuits, quartered
- 1 1/2 pounds sausage
- 6 tablespoons flour
- Pepper to taste
- 4 cups milk

Grease a 9-by-13-inch pan. Preheat oven to 400 degrees. Place biscuits in the pan and bake for 5 minutes (they will not be quite done). Have the sausage browned and add flour; stir well and then add the milk to make a light gravy. Don't let it get too thick. Add pepper to taste. Pour over the biscuits. Some of them will probably float to top and that is good. Bake for about 20-25 minutes until bubbly.

side, about 2 minutes. Gently flip fritters over and cook until golden brown and cooked through, 2 to 3 minutes.

 Lydia J. Miller, Westphalia:

SUMMER SAUSAGE

- 2 pounds hamburger
- 1 cup water
- 3 tablespoons Tender Quick
- 1 teaspoon garlic salt
- 1 teaspoon onion salt
- 2 teaspoons pepper
- 2 teaspoons liquid smoke

Mix well together. Divide into 3 portions. Roll into 2-inch logs. Wrap in foil, shiny

side in. Refrigerate 24 hours. Bake at 325 degrees for 1 1/2 hours. Prick bottom of foil before baking; place on broiler pans so grease can escape. When cool, rewrap foil. Store in refrigerator or freeze

 Millie Conger, Tecumseh: **COMPANY CASSEROLE**

- 1 pound hamburger
- 1 cup sour cream
- 8-ounce package cream cheese
- 1 cup cottage cheese
- 1 small jar spaghetti sauce
- 1 package rigatoni noodles (other noodles will work)
- 1 1/2 cups mozzarella cheese

Brown beef. Add spaghetti sauce and heat through until warm. Cook noodles according to directions on the package. In a bowl, combine cream cheese, sour cream, cottage cheese and 1 cup mozzarella cheese. Layer starting with beef and sauce then noodles then cheese mixture. Sprinkle with remaining mozzarella on top. Repeat layer. Finish with nice layer of mozzarella cheese. Bake at 350 degrees for about 45 minutes.

 Lydia J. Miller, Westphalia:

CHICKEN WITH CIDER

- 4 to 6 chicken breasts
- Can cream of chicken soup
- 1/2 cup apple cider
- 1 tablespoon plus 1 teaspoon Worcestershire sauce
- 3/4 teaspoon salt
- 1/3 cup chopped onions
- 1 minced garlic clove
- 3-ounce can mushrooms

Paprika
 Put chicken in baking dish. Mix all ingredients except paprika. Pour over chicken. Sprinkle generously with paprika. Bake at 350 degrees for 1 to 1 1/2 hours. Baste with sauce while baking. After first hour, sprinkle again with paprika.

New food label changes aim to better inform consumers

Many Americans, now more than ever, are concerned about the ingredients in their food. New changes to the food label by the U.S. Food and Drug Administration aim to lessen their concerns, as the changes highlight calories per serving as well as the amount of sugar added by the manufacturer.

Sandy Procter, Kansas State University assistant professor of food, nutrition, dietetics and health, said she is looking forward to the changes.

"This change in the Nutrition Facts label is a long time coming," Procter said. "We're looking forward to having an improved source of information on food so consumers can make a more intelligent choice."

Procter, also a K-State Research and Extension nutrition specialist and registered dietitian, said that the new label will be easier to read, as the print will be larger. Now the number of calories per serving will jump out at consumers to make them more aware of how many calories a serving, or a full package, actually contains.

Added sugar is another item on the new food label. Currently, the

label only shows how much sugar is in the food, but this can be misleading.

"A lot of foods have natural sugar in them; case in point is milk," Procter said. "The sugar in milk, lactose, is considered part of the total sugar, but it certainly isn't added sugar. We don't consider it something that is going to be damaging to the diet."

Another example, Procter said, is orange juice. The new added sugar line under "Total Sugars" will help consumers easily see the difference between 100 percent fruit juice and sugary alternatives.

Along with changes in the way calories and sugar are listed on the label, the way vitamins are presented will change.

"Vitamin A and vitamin C are still important nutrients, but in the U.S., we get ample amounts of those in our diets for the most part," Procter said. "So, those two nutrients are coming off the Nutrition Facts label and being replaced by two that are identified in the Dietary Guidelines for Americans 2015-2020 as nutrients of concern, those being potassium and vitamin D."

The changes aim to make it easier for consumers to decide what is healthy for them. Putting more relevant information on the label and making it easier to read gives consumers a better

idea of what is actually in the food, the expert said.

"We know that obesity, diabetes and weight-related health problems are some of the most threatening that the world has to tackle," Procter said. "Those public health problems need public health solutions, and this is a great step in helping the consumer to easily be able to make those decisions at the point of sale."

These changes don't go into effect immediately, however. Manufacturers are allowed a short time to make the necessary changes to their product labels.

"There are about two years until (the new labels) are enforced," she said. "If a company has less than 10 million dollars in revenue, it may have a year longer than that. The change is not intended to be a burden on a company, so the changes are not mandated to happen overnight. I expect to see some companies move to these guidelines relatively soon though, because they've been proposed for quite a while now."

It's important to note that these changes do not apply to meat, poultry and processed egg products, Procter said, as the U.S. Department of Agriculture regulates those products.

For more information, visit the FDA website or any local Extension office in Kansas.

 Millie Conger, Tecumseh: **CORN FRITTERS**

- 3 eggs, separated
- 1 2/3 cups fresh corn kernels from about 3 ears
- 1/4 cup flour
- 1/2 teaspoon salt
- 1/4 cup vegetable oil

Beat egg whites in a bowl until stiff peaks form. Stir corn, egg yolks, flour, salt in a large bowl, then fold in egg whites. Heat oil in a large nonstick skillet over medium heat. Working in batches of 4 drop 2 tablespoons corn mixture per fritter into oil without crowding skillet. Cook until golden brown on under-

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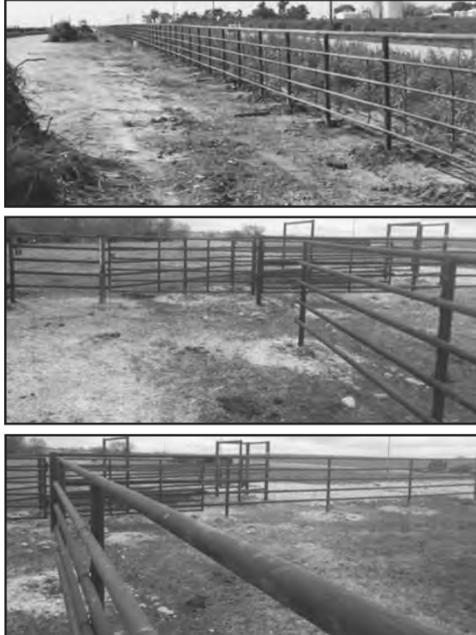
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Shop safe at farmers' markets: Food safety specialist explains

OLATHE — Farmers' markets offer a food shopping option for consumers and allow them to support the local economy and local farmers. But, when shopping at farmers' markets, it's important that consumers follow certain safety precautions and ask the right questions to find out more about the foods.

A lot of food safety precautions that consumers take with foods purchased at the farmers' market are common to the precautions taken with foods bought at the grocery store.

"Make sure the produce is clean, that it looks fresh, that it's a nice intact piece of produce," said Londa Nwadike, a food safety extension specialist with Kansas State University and the University of Missouri. "If you're buying cut or peeled produce, make sure that it's surrounded by ice or is being kept cold."

When looking at meats, eggs and cheese to purchase, it's important to ensure that the products are either in a cooler or on ice, Nwadike said. These products need to be kept cold to maintain their freshness. Another item to study carefully is milk.

"If you're buying milk at a farmers' market, it is a regulatory requirement that the milk sold at the farmers market has to be pasteurized," Nwadike said. "Check with the vendor and ask if it's pasteurized, just to be sure. Pasteurized is much safer."

"You can always ask the vendors about their food safety practices; you can always ask them how they make it and how they raise it," she added. "Just find out more from them about what they're doing, and that can give you some information about safety (of the product)."

When it comes to determining the food's origin, the best way to find out is by communicating with the farmer. Ask questions such as how the farmer raised it and what safety precautions he or she took, which can give consumers a better idea of the potential risk of foodborne illness, she said.

"There's a number of

different foodborne illnesses that could be connected with unsafe produce. Salmonella, E. coli and Listeria are all different organisms that have been associated in the past with produce," Nwadike said. "The entire chain just needs to make sure to pay attention to food safety from the farmer all the way to the consumer."

Understanding marketing terms

Some terms used to describe food, such as "natural" and "organic," are regulated by governing agencies, Nwadike said. However, there are terms that are not regulated, and it's important to keep an eye out for terms on food labels that could be misleading.

"Some farmers' markets might have their own requirements for terms that can be used or can't be used (for marketing)," she said. "I hear stories that farmers' markets won't allow people to use the term 'organic' unless it's certified organic. 'Organic' is a term with a federal definition, and you have to meet requirements if you're going to say that this product is 'organic.'"

Most other terms do not have a regulated government definition, so asking the farmer what different terms mean can leave consumers better informed.

"Natural" is one term that has a regulated definition for meat products, but there is no regulated definition for "natural" for anything other than meat products," Nwadike said. "If a farmer is using a particular term on the label, such as 'healthy' or

even 'local,' you can ask the farmer to find out more information. There are varying definitions out there for local foods. Always checking with the farmer is the best way to know for sure what a lot of those terms might mean."

Buying food online

With the popularity of online shopping in recent years comes yet another new way to order food. Sites such as Amazon have started delivering produce, and other companies deliver boxed meals right to the consumer's door. With the ability to get food delivered at home opens up even more safety concerns.

"If consumers are going to be buying foods online, it would be a good idea to find out more about that company and make sure that the company is following regulations," Nwadike said. "One important thing for consumers to think about if they're buying foods online, if it's getting shipped to your home and it's coming through the mail, you want to make sure that you're checking the package carefully and that it's intact."

A publication revised in January 2016 is available through the K-State Research and Extension Bookstore about Kansas farmers' market regulations and best practices. The publication is also available at local Extension offices throughout the state.

Pottawatomie County Fruit Pie Contest

The 7th annual Pottawatomie County Fair "Fruit Pie Contest & Auction" will be held Saturday, Aug. 6 at the Pottawatomie County Fairgrounds in the east air-conditioned exhibit building (auction will be held in the open air pavilion), Onaga. Check-in is from 2-3 p.m. with judging beginning at 3 p.m.

Disposable pans are encouraged; no plates or pans will be returned. All entries become property of the Pottawatomie County FCE Council. All pies will be auctioned off prior to the livestock sale on Saturday at 5 p.m. in the open air pavilion.

This contest is open to public amateur bakers only. No professional bakers can enter this competition. There is no entry fee with a limit of one entry per person.

Refrigerated, cream, meringue, meat, custard or single crust pies are not allowed. Entries must be accompanied by the complete recipes, typed or printed. Judging will be based on appearance, texture and flavor.

Prizes will be awarded in 2 divisions: youth (under 18) and adult (18 & over). Proceeds from pie auction will go to Pottawatomie County FCE scholarship and educational programs.



Putting it off

By Lou Ann Thomas

I'm a firm believer that everyone has a gift. In fact, I believe we each are imbued with many gifts. One of mine is the ability to put things off. No matter how busy I am I always have time to procrastinate. It's a gift, and one that, through the years, I have nearly perfected. I'm certainly above average when it comes to not doing something.

Like any self-respecting procrastinator I don't set out to not do whatever task is in front of me. That's rarely my intention. I just become easily distracted, or find a hundred other things to do instead, often believing the task at hand will be overly labor-intensive and who has that kind of time these days, with social media statuses to update, email to check, and online shopping sites offering huge discounts for one hour only!

I will also put things off because I think the task might be boring, it is rumored to be boring, or, as in housecleaning, it was boring the last time I did it. In fact, I'm feeling a tad bored right now. My boredom in writing this column is completely understandable since I already know where it might be headed. However, your boredom in reading it may be an indication of a dangerously short attention span, so I'd suggest not leav-

ing anything cooking on the stove. Trust me. I speak from experience.

Boredom plays a significant role in my chronic procrastination. That may seem odd to you, since often I will opt for doing virtually nothing instead of what I should be doing. But I have a low tolerance for boredom and what sounds less boring - reading a really good book, talking to a friend, napping or vacuuming? If you said vacuuming, give me a call, I think we might be able to work out a dandy win-win situation.

While researching procrastination for this column I discovered there is a national group for procrastinators. There is great comfort in knowing you are not alone, isn't there? I keep meaning to contact them, but I've been so busy lately with paperwork (translation: three weeks of piled up, unanswered mail), business meetings (translation: updating Facebook and Twitter statuses) and company (translation: the pizza delivery person) that I haven't had time yet.

If you too are a procrastinator and would like to connect with others, you can contact the National Association of Procrastinators, or NAP for short.

Hummm ... a nap sure sounds good about now.

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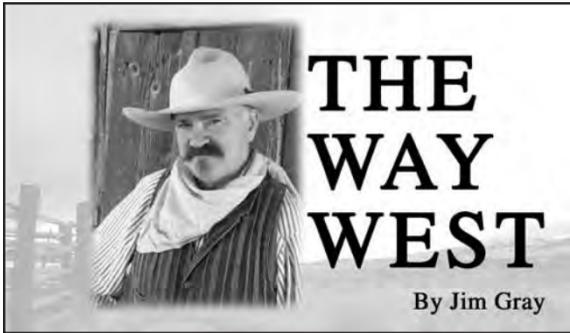
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THE WAY WEST

By Jim Gray

The Ballad of Rock Creek

In the early part of the 19th century mountain men traveled the Santa Fe Trail to the Rocky Mountains. That changed when William Sublette set out from St. Louis on April 10, 1830, for the Wind River Rendezvous. After passing through Missouri the troop followed the Santa Fe Trail for forty miles. At that point they struck out across uncharted territory on a northwesterly

course across the plains toward their destination. After several weeks in the mountains they returned east with their "pioneer wagons" loaded with furs. Traveling "over the same ground nearly as in going out," the round trip was accomplished with "ease and safety."

In the coming years travelers followed the pioneer route all the way to the west coast, opening the trail we know today as the California-Oregon Trail. The trail developed many popular camp sites. One such camp was at the horseshoe bend of Wyeth Creek in what would later become Nebraska. In 1856, a trading post

was built amid the great oak trees, cottonwoods, and elms on the west side of the creek, known by then as Rock Creek. Today, Fairbury, Nebraska, is just a few miles away.

In 1859 David McCandles of North Carolina bought the post while on his way to the Colorado gold fields. To McCandles the regular business of selling "whiskey, tobacco, flour, sugar, salt pork, coffee, tea and other necessities" at Rock Creek looked much more secure than taking his chances in Colorado.

There was just one more service McCandles could offer. The banks of Rock Creek were extremely steep. A toll bridge made the crossing much easier and provided an additional income for McCandles.

McCandles was an ambitious man. A big man, at six feet, two hundred pounds, McCandles was used to taking what he wanted. According to historian Joseph Rosa, "He outran, outfought, and outdanced his companions, and he had a certain feeling of superiority." In North Carolina he quickly rose from a deputy to Watauga County Sheriff. However, as sheriff he was responsible

for collecting taxes, which also presented temptation for personal gain. When things got too hot for him he boarded a train, with his bags full of tax money, and headed for the west.

At Rock Creek, David McCandles busied himself, building new quarters for his wife and family. They were due to arrive from North Carolina in the fall. But McCandles had not come to Rock Creek alone. Traveling with him was Sarah Shull, his mistress of several years. A baby girl was born out of wedlock in North Carolina in 1855, tragically living less than a year. Sarah took up residence at the original site, known as the West Ranch. Mrs. McCandles and family moved into the new East Ranch.

He sold the East Ranch to the Pony Express on a contract and built a new place for his family three miles south. The Overland Stage Company also used the ranch as a station. One of the first Overland employees to arrive at the station was a young man by the name of James Hickok. Hickok was suffering from an undisclosed injury and spent most of his time doing small jobs for "Doc" Brink, the stock tender and part-time express rider.

The Overland made steady payments on the station until June, 1861. By July 12th McCandles was through waiting for his money. He rode to the station with his twelve-year-old son, Monroe, James Gordon, and James Woods.

At the door of the station McCandles demanded pay-

ment from Superintendent Horace Wellman. Wellman backed off, but Mrs. Wellman, in defense of her husband, pushed the argument forward with a "grub hoe" in her hand. Then Hickok stepped in. Wellman returned to the door, and Hickok stepped back, concealed by a curtain just inside the door. There is disagreement over whether McCandles was armed or not, but it would be hard to imagine a man of his character going about unarmed.

McCandles made a threatening move either with a shotgun or some other gesture. From behind the curtain a rifle bullet split the air. McCandles fell back, mortally wounded. Gordon and Woods ran to his defense only to be introduced to Hickok's blazing pistols. Wounded, Wood collapsed on the north side of the station, closely followed by Mrs. Wellman. Screaming "Kill them, kill them all!" she finished Woods off with her hoe. Gordon made it into the weeds where either Mrs. Wellman or Hickok and crew ended his life. Monroe McCandles was the only one who made it out and lived to tell the tale of that day of death 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 Drivers Hall of Fame, and Trail Boss of THE Texas Longhorn Cattle Drive/Chisholm Trail '17. Contact Kansas Cowboy, P.O. Box 62, Ellsworth, KS 67439. Phone 785-531-2058 or kansascowboy@kans.com*

Rodeo stampedes into Abilene – tickets now on sale

Hang on to your hats, Abilene! The Wild Bill Hickok Rodeo stampedes back into town!

The 71st annual rodeo gallops into the fairgrounds on August 3-6, with four nights of bucking horses, mean bulls, cowboys and cowgirls, and plenty of fun family entertainment!

Miss Rodeo Kansas State Brooke Wallace will be at the rodeo, riding in the grand entry and parade and signing autographs each night. She will also visit the Abilene Public Library on August 2 at 3 pm.

Rodeo clown Gizmo McCracken returns to Abilene with his brand of funny (and his ambulance), and Sammy Andrews Rodeo Co. brings the bucking horses and bulls. Abilene resident Ethan McDonald returns as a bullfighter, and Scotty Spencer steps in as bullfighter, to replace the retiring Dustin Brewer.

The rodeo and fair are much anticipated by kids and their parents alike. Dustin Deweese, an Abilene native and Market President of the Pinnacle Bank, grew up in town and estimates he's missed the rodeo only about three of his forty-three years. "I looked forward to it," he said. "Fair time, as a child, is one of a kid's favorite times of the year, and the rodeo is a huge part of that."

Deweese now has four kids of his own, three daughters, ages eleven, eight, and two, and a son, who is three, and they anxiously wait for rodeo week. "The two youngest ones are just getting cranked up (for rodeo), he said, but the two older ones really enjoy it."

The older girls love watching the barrel racing, but the whole family enjoys the bull riding. The girls "like the barrels because it's girls on horses, and they like the bull-riding because it's the scariest." He also enjoys the bull riding. "To see the rush those guys go through, it's pretty cool, and it's one of the most dangerous sports in the world, if not the most dangerous. To sit front and center, and see some of the best athletes in the world come through Abilene, Kansas is pretty cool stuff. There's some unbelievable talent."

The rodeo parade is at 4 p.m. on August 4, and the carnival runs August 3-7. The demo derby is August 7-8, and the truck and tractor pull, featuring the NK Pullers Association, is August 7.

Tickets are available July 11 and cost \$10 in advance (\$7 for children ages four through ten) and \$13 at the gate. They can be purchased online at CKFF.net and at various local retailers, including Astra Bank, First Bank of Kansas, Great Plains Federal Credit Union, Pinnacle Bank, Solomon State Bank, and West's Plaza Country Mart. A full list of ticket outlets can be found online at CKFF.net.

For more information, visit the rodeo's website at WildBillHickokRodeo.com or call the fairgrounds office at 785-263-4570.

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Wesley Denton, Blue Rapids, exhibited the Grand Champion Steer at the Midwest Regional Hereford show in Pipestone, Minn.. Shown with Denton is Luke Keller, Mandan, N.D. who judged the 110-head show.

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2016 WASHINGTON COUNTY FAIR

2016 WASHINGTON COUNTY FAIR SCHEDULE	FAIR SCHEDULE CONTINUED
<p>TUESDAY, JULY 12, WASHINGTON CO. HS - PRE-FAIR JUDGING</p> <p>8 A.M. 4-H Visual Arts, 4-H Clothing, Fiber Arts Judging, 4-H Fashion Revue Judging, Photography Judging</p> <p>FRIDAY, JULY 15 Clay Center 4-H Conference Center</p> <p>1-4 P.M. Entomology & Geology Judging</p> <p>SATURDAY, JULY 16 DOG SHOW, Republic County Fairgrounds, Commercial Building</p> <p>8 A.M. Registration 9 A.M. Show begins</p> <p>SUNDAY, JULY 17, QUILT SHOW, Good Shepherd Lutheran Church</p> <p>1-2 P.M. Check-in 2 P.M. Show begins 4pm Entries, 3pm OPEN HORSE SHOW Washington County Fairgrounds</p> <p>TUESDAY, JULY 19, Washington County Fairgrounds</p> <p>8 A.M. Check in of school exhibits—Rock Barn 8 A.M.-3P.M. 4-H Food Judging (Good Shepherd Lutheran Church) 3-4 P.M. Poultry and Rabbit check in 3:30-4 P.M. Check-in and Consultation Judging of 4-H Floriculture, 4-H Crops & 4-H Horticulture</p> <p>4:30-8P.M. All Open class exhibits check in. (Exception: open class foods, see rules for alternate time) Foods check in at Good Shepherd Lutheran Church</p> <p>4:30-8P.M. Exhibit Check-In including Horses (Except 4-H) items that are judged by consultation. Large items such as woodworking should be brought in early to allow for ample room). Consultation judging exhibits are to be brought in at their assigned times.</p> <p>4-5 P.M. Swine weigh in 5:30-6:30 P.M. Beef weigh in 7-8 P.M. Sheep and Meat Goat weigh in 8-9 P.M. Required Livestock Exhibitor Meeting—Gold Barn</p> <p>WEDNESDAY, JULY 20, Washington County Fairgrounds</p> <p>8:00 A.M. Open class foods check in at Good Shepherd Lutheran Church (see rules for alternate time)</p> <p>8:00 A.M. 4-H Horse Show 9:00 A.M. Open Class Foods Judging—Good Shepherd Lutheran Church 9:30 A.M. Open Class Clothing, Textiles and Hobbies & Crafts 10 A.M. Open Class Photography Judging at Good Shepherd Lutheran Church 10 A.M. 4-H Electric & Poster Judging 10 A.M. Open Class Food Sales—Good Shepherd Lutheran Church 1 P.M. 4-H Banner & Woodworking judging 1 P.M. Rockery, Home Environment & Miscellaneous judging 7:00 P.M. Swine Show</p>	<p>THURSDAY, JULY 21, Washington County Fairgrounds</p> <p>8:00 A.M. Shepherd's Lead, Sheep & Goat Show Gold Barn 10:00 A.M.-10:00 P.M. Commercial Exhibits Open 1:00 P.M. Bucket Calf Interviews 5:30 P.M. Bucket Calf and Beef Show 6:00 P.M. Carnival Rides 7:00 P.M. Team Roping</p> <p>FRIDAY, JULY 22, Washington County Fairgrounds</p> <p>8:00 A.M. 4-H Rabbit Show 10:00 A.M.-10:00 P.M. Commercial Exhibits Open 11:00 A.M. 4-H Open Class Poultry Show 11:30 A.M. Dairy Show Noon Livestock Sale Deadline 3:00 P.M. Livestock Judging Contest 6:00 P.M. Carnival Rides—Armband night 6:30 P.M. Parade 2016 Theme—From Pioneer Days to Modern Ways 6:30 P.M. Pedal Pull Registration 7PM Pull Starts 8:30 P.M. Farm Bureau watermelon feed 7:00 P.M. Team Mugging 7:30 P.M. RCA Cars at tennis court 8:00 P.M. Fashion Review</p> <p>SATURDAY, JULY 23, Washington County Fairgrounds</p> <p>9:00 A.M. Round Robin Competition 10:00 A.M.-10:00 P.M. Commercial Exhibits Open Noon Livestock Sale 2:30 P.M. Barnyard Olympics 5:30 P.M. K.I.A. & Cattle women of Washington County Ribeye Meal on the fairgrounds 6:00 P.M. Carnival Rides—Armband night 6:30 P.M. Parade- 2016 Theme—From Pioneer Days to Modern Ways 7:00 P.M. Ranch rodeo</p> <p>SUNDAY, JULY 24, Washington County Fairgrounds</p> <p>8:00-9:00 A.M. Exhibit check out 9:00 A.M. Fairgrounds clean up</p> <div style="border: 1px solid black; padding: 2px; margin-top: 10px;"> <p>Good Shepherd Lutheran Church 404 W. 4th Street Washington, KS (1 block West of Casey's, then 2 -1/2 blocks North)</p> </div>

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Crop producers should look out for potato leafhoppers, green cloverworms and fall armyworms in fields

By **Chloe Creager**

As corn and alfalfa crops continue to grow, K-State Research and Extension crop specialists are observing different pests currently in Kansas. Challenges impacting the crops include potato leafhoppers, green cloverworms, fall armyworms and corn rootworms, according to Kansas State University associate professor of entomology and pest management Extension specialist Jeff Whitworth.

Alfalfa

Potato leafhoppers have been observed in north-central and south-central Kansas since May, about a month earlier than the pests would normally be seen, Whitworth said.

Potato leafhoppers usually don't spend the winter in Kansas and will migrate back between the first and second alfalfa cutting, but this year they've been present since before the first cutting, he said. Early mild and later cool temperatures throughout the winter and spring played a role in the difference.

The insects will suck juices out of the plants, and while the adults don't do much damage, excessive heat and moisture removal add to plant stress. As of May, all of the observed potato leafhoppers were adults, and weekly samples have not yet indicated that there are any nymphs.

"Mainly, they're mating and laying eggs in the stem of the plant," Whitworth said. "It's the nymphs - once they start hatching out -

that start sucking the juice out of the plant, so when you get additional fluid removal that just adds to the stress level of alfalfa."

Another risk from these pests is that they can transmit hopper burn, which manifests with a yellowing around leaves. It can move to the stem if the insects feed long enough and can kill the crop if left untreated.

Whitworth recommends swathing alfalfa to help control the population. The pests will continue to migrate in, he said, but swathing will help control the first infestation, and they won't feed on the cut product.

If producers decide to treat their crops, there are many insecticides labeled for use with potato leafhopper control. Whitworth said growers could probably use the lowest rate with the cheapest material and have good control of the pest.

If producers treat alfalfa, he said, they should check re-emerging plant tissue and stubble weekly to make sure more potato leafhoppers aren't present, because they have a low economic injury level. EIL is the smallest number of insects (amount of injury) that will cause yield losses equal to the insect management costs.

Green cloverworms have also been observed in alfalfa, according to Whitworth.

These insects may not be as risky from an alfalfa producer's perspective, but they could become prob-

lematic as they mature and fly out of alfalfa into soybean fields. Since most soybean crops are recently planted or emerging and worms are in final larval stages, they will pupate, and the moths will likely fly to soybeans that they can defoliate.

"A young vegetative soybean plant can withstand 40 to 60 percent defoliation under good growing conditions before it's going to impact yield as long as it gets cleaned up," Whitworth said. There are a number of insecticides that are effective for controlling green cloverworms or bean leaf beetles once you've hit the 30 to 40 percent defoliation threshold and decide you need to treat.

Corn

Producers are starting to see fall armyworms feeding in corn; they are maturing and will be pupating soon, Whitworth said. As plants develop into the whorl stage, ragworms will probably eat leaves as they grow and leave them ragged-looking, but he does not recommend treatment for whorl-stage worms.

"Yes, it's visual and gets everybody's attention, and yes, it does cause concern; but we've done several studies over the years," he said. "No. 1, it doesn't cause any

yield reduction; the plants grow out of it. No. 2, even if you do treat you can't get the insecticide down into the base of the whorl where the worms are, so you can't kill them until they're through feeding and crawl out anyway."

If 70 to 80 percent of plants are infested and the worms inside the whorls are small, it could be beneficial to treat them, but usually by the time the grower notices it, the worms are already mature. Whitworth said he has only seen this once, however, and generally does not recommend treating whorl-stage leaf-eating damage in corn.

Adult tarnished plant bugs have been found in corn throughout north-central and south-central Kansas. These insects are not a pest of corn; however, they can suck the juices out of developing seeds in sorghum if there are enough of them in the head and can produce problems with seeding alfalfa. They look similar to adult western corn rootworms.

"Last year, we got a lot of calls about these tarnished plant bugs in silks because the corn rootworms will clip them, and a lot of growers were worried that's what was going to happen," Whitworth said. "Make sure to

get a positive identification when it comes to silking time in your corn to make sure it's not corn rootworm; make sure it is a tarnished plant bug, because they will not cause any problems in the corn except confusion."

According to the June 23 K-State Insect Diagnostic Laboratory Report, the first western corn rootworm adults were collected on June 17 in north-central Kansas, and there are still

some larvae feeding on roots. None of the sampled plants had begun tasseling, so the adults are still feeding on leaves and will not impact yield.

If producers need positive identification of insects or pests in any crops or fields, consult the K-State Entomology Department's insect diagnostic laboratory or a local K-State Research and Extension agricultural agent.

2016 WASHINGTON COUNTY FAIR

Team Roping: Thursday, July 21 - 7 PM
Contact: 785-761-8994 for information

Steer Mugging: Friday, July 22 - 7 PM
3 Rounds - \$160 4 man team
\$1000 added money, Pay 3 places each round, 3 places overall
Limit 20 teams
Contact: Todd Hughes 785-541-0538

Ranch Rodeo: Saturday, July 23 - 7 PM
Events: Double Mugging, Trailer Loading, Branding, Wild Cow Milking

2016 CLAY COUNTY FAIR

July 20-24

Schedule of Events

PRE-FAIR
Tuesday, July 12
9:00 a.m. 4-H Prince & Princess Judging
5:30 p.m. Fairgrounds Clean-up

Thursday, July 14
8:45 a.m. 4-H Visual Arts, Clothing, Fashion Revue, Fiber Arts, & Photography Judging, UMC
8:30 am-1:00pm 4-H Photography Judging Contest, UMC
7:00 p.m. Public 4-H Fashion Revue, Clay Center United Methodist Church Family Life Center

Friday, July 15
4:30 p.m. 4-H Space Tech-Aerospace Judging, 4-H Conference Center, Fairgrounds
7:00 p.m. 4-H Rocket Shoot-off, Fairgrounds

Saturday, July 16
9:00 a.m. River Valley 4-H Combined Dog Show, Belleville
8:00 - 9:00 a.m. Open Class Horse Show Entry
9:00 a.m. Open Class Horse Show, Rodeo Arena

Sunday, July 17
7:00 p.m. McKinney Sisters, Gospel Music, Clay Center United Methodist Church Family Life Center

FAIR
Tuesday, July 19
6:00-7:30 p.m. Enter all exhibits except Foods, Floriculture, Horticulture & Crops, Pets, & Livestock
6:00-7:30 p.m. Enter Poultry

Wednesday, July 20
7:00-8:30 a.m. Enter Swine
9:00-10:30 a.m. Enter all other Livestock
8:00-10:00 a.m. Enter Open Class Foods, Catholic Parish Center, 714 Court Street
8:30 a.m. 4-H Entomology, Geology, Wildlife & Forestry Judging, Floral Hall
9:00 a.m. Centerpieces Judging, Exhibit Hall
9:00 a.m. 4-H Electricity Judging, Floral Hall
9:00 a.m. Open Class Clothing & Textiles Judging, Exhibit Hall
9:00 a.m. Woodworking Judging, Floral Hall
9:00-11:00 a.m. Enter 4-H & Open Class Floriculture, Horticulture & Crops, Floral Hall
9:30 a.m. 4-H Individual Projects, Reading & Shooting Sports, Judging, Exhibit Hall
9:30 a.m. Open Class Ceramics, Crafts & Paintings Judging, Floral Hall
10:00 a.m. Open Class Foods judging begins at Catholic Parish Center
10:30 a.m. 4-H Club Projects Judging, Exhibit Hall
11:00 a.m. 4-H Floriculture Judging, Floral Hall
11:00 am-1:00 pm Open Class Bake Sale, Exhibit Hall
11:30 a.m. 4-H Foods Judging (except decorated cakes), Catholic Parish Center, 714 Court Street
12:00 noon Open Class Floriculture Judging, Floral Hall
12:00 noon 4-H Horticulture & Crops Judging, Floral Hall
1:00 p.m. Open Class Horticulture & Crops Judging, Floral Hall
1:00 p.m. Open Class Photography Judging, Floral Hall
1:00-5:30 p.m. 4-H Bake Sale, Exhibit Hall
6:00-7:00 p.m. Gazebo Entertainment, Clay Center City Band - FREE
6:00 p.m. Swine Judging, Orrin Hogan Arena
7:30 p.m. Chamber of Commerce & Clay County Farm Bureau FREE Watermelon Feed
8:00 p.m. Rodeo, with Freedom Riders,

Rodeo Arena Admission: Advance: Adult-\$7 K-8-\$3. Gate: Adult-\$8 K-8-\$4
Thursday, July 21
8:30 a.m. 4-H Pet Division Check-in, Floral Hall
9:00 a.m. 4-H Pet Judging, Floral Hall
9:00 a.m. 4-H/FFA Horse Show, Orrin Hogan Arena & Rodeo Arena
10:30 a.m. "Meet Us At The Fair", sponsored by Clay County 4-H Ambassadors
4:00 p.m. Meat Goat Judging, Orrin Hogan Arena
6:00-7:00 p.m. Gazebo Entertainment, FREE
6:00-9:00 p.m. Free Popcorn & water courtesy of Farmway Coop
7:30 p.m. Free Snow Cones courtesy of Citizens National Bank
6:00 p.m. Sheep Judging, Orrin Hogan Arena
8:00 p.m. Rodeo with Freedom Riders, Rodeo Arena. Admission: Advance: Adult-\$7 K-8-\$3. Gate: Adult-\$8 K-8-\$4
6:00-10:00 p.m. Carnival Attractions by Great Plains Amusements

Friday, July 22
9:00 a.m. Decorated Cake & Decorated Cupcake Judging, Extension Office
9:00 a.m. Rabbit Judging, Rabbit & Poultry Barn
11:00 a.m. Poultry Judging, Rabbit & Poultry Barn
1:00 p.m. Dairy Cattle Judging followed by Dairy Goat Judging, Orrin Hogan Arena
3:00 p.m. Bucket Calf Interviews, Orrin Hogan Arena
5:00 p.m. Bucket Calf Showmanship, Orrin Hogan Arena
2:00 p.m. Project Auction entry deadline. All 4-H projects, including livestock, except beef, must consign project auction exhibit to Fair Office
6:00-7:00 p.m. Gazebo Entertainment - FREE
6:00 p.m. Beef Judging, Orrin Hogan Arena
7:00 p.m. 3/4 Midget & Pick Up Truck Races, Grandstand. Adult-\$8 K-8-\$4
9:00 p.m. 4-H Beef project auction entry deadline due to Fair Office
6:00-10:00 p.m. Carnival Attractions by Great Plains Amusements

Saturday, July 23
7:00 a.m. BBQ Contest Check-in (Must be pre-registered)
8:00 a.m. BBQ Contest starts
8:30 a.m. Round Robin Showmanship, Livestock Arena
10:00 a.m. 4-H/FFA Livestock Judging Contest, Orrin Hogan Arena
12:00-1:00 p.m. Kiddy Tractor Pull Participant Check-in, Orrin Hogan Arena
1:00-2:00 p.m. Kiddy Tractor Pull, FREE, Orrin Hogan Arena
4:00 p.m. BBQ Contest Judging (Must be pre-registered)
4:30 p.m. 4-H Awards Presentation, Orrin Hogan Arena
5:00 p.m. 4-H Kiss the Pig Contest Results, Orrin Hogan Arena
5:30 p.m. Decorated Cake & Project Auction, Orrin Hogan Arena
6:00 p.m. 4-H & FFA Livestock Auction, Orrin Hogan Arena
7:00 p.m. Demolition Derby, Grandstand
Admission: Adult - \$8 K-8 - \$4 6:00-10:00 p.m. Carnival Attractions by Great Plains Amusements

Sunday, July 24
9:00 a.m. Cowboy Church, Fairgrounds
12:30-1:30 p.m. All Exhibits Released

Monday, July 25
5:30 p.m. Fairgrounds Clean-up

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New bullfighter to work Phillipsburg rodeo

A new face will make an appearance at Kansas' Biggest Rodeo this August.

Bullfighter Weston Rutkowski will join Dusty Tuckness in the arena north of Phillipsburg.

Rutkowski grew up in Haskell, Texas, an hour north of Abilene, to a rodeo family. His mom, Glenda Gayle Chapman Rutkowski, was the 1976 Miss Rodeo Texas, and his uncles, Terry Chapman and Keith Chapman, both rode saddle broncs. Terry qualified for the 1979 National Finals Rodeo and Keith was a three-time Senior Pro Rodeo saddle bronc riding champion.

"I didn't have a chance," he jokes. "I've been a rodeo kid my whole life. I've been to rodeos since I could walk."

Weston rode calves, steers, and junior bulls, but when he got to high school, his mom wouldn't let him ride bulls because of high school sports. He went to college to play football, but when he realized he didn't have much chance of playing, he began riding bulls again.

As happens with a lot of bullfighters, Weston's career began in a practice pen. He was helping out a buddy who was riding bulls, and the friend asked him to step in as bullfighter. "I knew right then and there that it was what I wanted to do," he said.

It was the adrenaline rush that did it. "There was a gap for me to step in," during that first time in the practice pen, "to save my buddy. I stepped in there, grabbed that bull, threw him a fake out of pure reac-



Bullfighter Weston Rutkowski will make his first appearance at the Phillipsburg rodeo in August.

Courtesy photo

tion, not knowing what to do. That pure adrenaline rush was awesome. I didn't get that riding bulls."

That was in 2011, and two years later, Weston got his PRCA membership.

For a while, he worked a full time oilfield job. But after he added more rodeos, he was able to rodeo full-time.

He's happy with the rodeos he's been hired to work: Austin, San Angelo, Denton, Athens, Belton, and Helotes, Texas, Estes Park, Colo., West Jordan, Utah, and this year, Burwell, Neb. the week before Phillipsburg, and then Phillipsburg. "I've been fortunate," he says, of his schedule, "for only fighting bulls for five years. It is something I love doing, I have enjoyed it and work hard at it." Phillipsburg will be his first rodeo

to work in Kansas.

Weston loves to stay busy. "I'm so ADD, it's not funny," he said. "I can't sit around."

He golfs, works out at the gym, whatever "your average, typical young man traveling the world," would do, he said. "I sure enough have a great time, wherever I'm at. Whatever I can do to enjoy wherever I'm at. I take advantage of getting to travel."

Weston likes the bulls Bennie and Rhett Beutler have. "Bennie is known as an old-school stock contractor. His bulls buck, and they have that old school rodeo flair. Not only will they buck but they'll hook you, too." The potential to be hooked keeps things exciting. "Sometimes you work (for a stock contractor) and his bulls don't hook and you don't feel like you've done

anything." That's not the case with Beutler bulls. At a Beutler rodeo, Weston says, "You're sure enough doing something, and you need to be there."

Weston, like any other bullfighter, has seen a few injuries, but in typical bullfighter fashion, he considers them "bumps and bruises": a broken nose, dislocated right hip. A Beutler bull in Austin a year ago destroyed his right ankle. "I was trying to jump one of Bennie's fighting bulls, and dislocated my right ankle and tore all the ligaments." He had full reconstructive surgery and is back to normal.

But injuries are part of the game. "For being in this line (of work), nobody's making you do it. So you can't do much complaining. Because if you do complain, you shouldn't be fighting bulls."

Rutkowski replaces Aaron Ferguson, who worked as bullfighter in Phillipsburg for the last four years. Ferguson, who started the Bullfighters Only organization, won't work Phillipsburg due to scheduling conflicts with Bullfighters Only.

The Phillipsburg rodeo is August 4-5-6 at 8 p.m. each night at the arena one mile north of town. Tickets went on sale July 1 at Heritage Insurance and are available by purchasing them in person or with a credit card, over the phone (785-543-2448). For more information, visit the rodeo's website at KansasBiggestRodeo.com or follow the rodeo on its Facebook page ([ksbiggestrodeo](https://www.facebook.com/ksbiggestrodeo)) or Twitter.

Riley County Fair starts July 21

Don't miss your opportunity to cruise into the 2016 Riley County Fair, July 21-25 at CiCo Park in Manhattan. There will be fun activities for each member of the family.

The annual fair parade, which marks the official start to the fair, will be Thursday, July 21 at 6:00 pm. This year's parade will travel down Poyntz Avenue from the Manhattan Town Center to City Park. Following the parade on Thursday at 7:00 p.m. will be the kids pedal tractor pull at Hurlburt Arena in CiCo Park. This event is open to youth ages 4-12. Both events are free to the public.

The Kaw Valley Rodeo will provide entertainment for rodeo fans with nightly performances on July 21, 22 and 23. Thursday night's Kaw Valley Rodeo performance will honor the military with free and discounted tickets available to active duty military members. Kids also get in free to Thursday's rodeo performance with the donation of canned goods to the Flint Hills Breadbasket. Friday night will feature the Tough Enough to Wear Pink performance with a portion of the proceeds going to the Johnson Center for Basic Cancer Research at Kansas State University. Saturday's performance will feature the finals of the competition.

The Blue Valley Pork Producers will host their annual pork burger barbecue from 5-7 pm on Friday, July 22 on the Pottorf Hall patio. Tickets are \$7 and can be purchased that evening. Open class arts and photography entries will also be accepted on Friday evening.

Pie lovers won't want to miss the blueberry pie contest on Sunday, July 24 at 1:00 p.m. in Pottorf Hall. After judging, entries will be cut and slices sold for \$1 a slice.

Be sure to stop by Pottorf Hall and the livestock barns to see the exhibits that 4-H members have been working hard all year to make. Livestock shows will take place each evening, July 22-24. The annual 4-H livestock auction will begin at 7:00 pm on July 25. Champion foods items will be auctioned prior to the livestock sale at 6:45 p.m.

Riley County Farm Bureau will once again sponsor the farm animal nursery exhibit where fair-goers can learn more about animals and agriculture in the Wreath Barn. Stop by the Schram Chrysler Dodge entertainment tent to experience live local entertainment ranging from belly dancing to Motown sounds to bluegrass on Friday and Saturday nights. Ottaway Amusements is back with their brand new ride—Freak Out! They will provide carnival entertainment each evening of the fair with wristbands available for \$25 each evening.

There's a lot to see and do at this year's Riley County Fair. For more information or a full listing of scheduled events please access www.rileycountyfair.com or call the Riley County Extension Office at 785-537-6350.



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Agroforestry helps farmers branch out

Imagine an agriculture field. Most are planted with row upon row of tidy cash crops. Now imagine that same field with rows of trees between the rows of crops. This forested field concept is called alley cropping. Alley cropping helps farmers diversify by growing long-term tree crops alongside short-term cash crops like wheat.

"For so long farmers have been taking trees off farmland," said Josh Gamble, agroforestry researcher at the University of Minnesota Twin Cities, "So the idea of putting trees back on is a little bit of a barrier."

Alley cropping is a type of agroforestry, which is the practice of combining crops and trees into one farming system. The dual income from the land can bring greater economic security to farmers.

The idea is that it's potentially a multi-use system, with more diversity and more function," said Gamble.

Alley cropping is not only useful for diversifying a farm's income. Fields with trees capture more carbon than fields without trees. Trees protect the crops planted alongside them by providing shade and wind protection.

In addition, trees can provide a buffer between the field and nearby waterways. When a field floods, the water runs off with nutrients and soil, leaving the field less productive and the river more polluted. Trees can filter the nutrients and stabilize the soil on farm land.

Tree crops are used for a variety of products. Some, like pine, are grown for timber. Others, like hickory and walnut, can be used for nut production. Josh Gamble is interested in growing biomass, or trees and crops that are grown for heat and power production. Gamble and his team chose two fast-growing, hardy trees—willows and poplars—and planted them alongside a variety of native grasses.

The willows, poplars, and grasses absorb excess nutrients, preventing them from leaching into waterways. The grasses are especially productive and absorb nutrients quickly. Because the grass is cut and removed from the land at harvest time, fewer nutrients are released back into the ecosystem. Additionally, the roots that remain after harvest help stabilize the soil and prevent erosion.

Gamble and his team wanted to find out which pairings of trees and grasses were most compatible. "Some species pairings work, and some compete against each other," said Gamble.

Poplar and prairie cordgrass were among the best-performing pairs, but Gamble said that might change. "These are only the first four years, so we'll see what happens," said Gamble. "We're trying to think about long-term productivity and diversity."

The trees and the grasses have to strike a truce for alley cropping to work well. "There's a fine balance between competition and sharing resources," said Gamble. Part of ensuring that balance is done by planting species that benefit each other. Warm- and cool-season species can benefit from the shade protection of trees to survive heat stress. It's also important to plant species that match the condition of the landscape. If a field is prone to flooding, farmers

should plant species that can survive wet conditions.

Alley cropping adds a certain amount of complexity to the day-to-day management of farms, which can

make it unappealing to some farmers. However, Gamble said that alley cropping is one technique in a broad suite of agroforestry tools that improve ecosys-

tem function and boost productivity.

Read more about Gamble's research in *Agronomy Journal*. The research was supported by the North

Central Regional Sun Grant Center through a grant provided by the U.S. Department of Energy, the Minnesota Pollution Control, and the North Central Re-

gion SARE program. Gregg Johnson, Dean Current, Donald Wyse, and Craig Sheaffer were also part of the research team.

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River Valley Extension District announces changes in poultry testing

River Valley Extension District has changed county fair requirements for poultry testing. Previously, River Valley has invited Kansas Division of Animal Health (KDAH) and USDA personnel to conduct Avian Influenza and Pullorum testing at the county fair. With elevated concerns, we can no longer continue testing poultry the day of the fair. Kansas Division of Animal Health and USDA personnel will be conducting county fair poultry testing prior to the start of the fair. This will give KDAH and USDA time to confirm test results and take the appropriate actions in advance. All birds will need to be tested including waterfowl. The only bird that does not require testing is the pigeon. River Valley understands that this may be an inconvenience, and for that we apologize. However, we want to be responsible and proactive. River Valley hopes that you understand the importance of making these changes to testing schedules. With that said, the following dates have been set in conjunction with KDAH and USDA for River Valley District county fair poultry testing. It is important to note that exhibitors can attend either of the following dates and times, even if the date and time is not in your respective county. Please contact Katelyn Brockus at the Washington County office with additional questions or concerns, 785-325-2121 or kbrockus@ksu.edu. County Fair Poultry Testing Dates:

July 12- Washington Fairgrounds- 5:30 p.m.-6:30 p.m.
July 14- Belleville Fairgrounds- 8:00 a.m.-10:00 a.m.

Sorghum Checkoff launches first consumer brand

The Sorghum Checkoff has announced the first consumer-facing brand, Sorghum Natures Super Grain™, and the launch of SimplySorghum.com.

“Whole grains are becoming increasingly popular,” said Doug Bice, Sorghum Checkoff marketing director. “Nearly two-thirds of consumers are making at least half their grains whole, which is great news for sorghum. These new branding efforts are imperative to help support the expanding sorghum consumer marketplace, and American farmers are eager to meet that growing demand.”

The goal of the Sorghum Checkoff consumer branding efforts is to educate consumers about the wholesome goodness of sorghum and the endless possibilities it has to offer in a

healthy diet.

Jennifer Blackburn, Sorghum Checkoff external affairs director, said the new logo and tagline were created to help showcase sorghum’s capabilities as a whole grain. The tagline highlights sorghum’s health, versatility and sustainable attributes.

Serving as the premier source of information for consumers, and food and health professionals, Blackburn said SimplySorghum.com will share information as it relates to what sorghum is and how it can be used. Key features of the website include a sorghum cooking-directions library, recipe catalog, nutritional information, and a list of chefs and restaurants using sorghum.

“SimplySorghum.com and the consumer logo are integral components of the

Sorghum Checkoff’s consumer-facing brand,” Blackburn said. “We are excited about the new website, the first sorghum consumer website of its kind, and the robust information and opportunities it provides users.”

Blackburn said new consumer branding efforts and the website not only help enhance consumer awareness of sorghum’s healthy characteristics, it also helps consumers close the missing gaps by giving them a place to locate sorghum brands and take action to request products containing sorghum in their local grocery stores.

Developed using modern-web technology, the website features clean, bold-imagery, rich content and was designed to provide a user-friendly experience. Plus, the website is mobile

friendly, so recipes, cooking tips and more can be accessed anywhere users go.

“Just a year ago, establishing a consumer brand was only an idea – a big idea,” Blackburn said. “The launch of this new consumer site and logo further amplifies the strides we have made as an industry. Our hope is that these efforts will help move the needle and make the connections that lead to more sorghum on more consumers’ plates, that in turn will help increase demand for the farmer.”

The Sorghum Checkoff’s new consumer website will be updated regularly with recipes, cooking tips, new sorghum products, restaurants using sorghum and more. Visitors can explore the website and sign up for the consumer newsletter at SimplySorghum.com.

Kansas Department of Agriculture provides toolkit to farmers’ markets

The Kansas Department of Agriculture has received a U.S. Department of Agriculture Farmers’ Market Promotion Program Grant to create a Kansas Farmers’ Market Toolkit. The toolkit will provide promotional materials and resources to enhance existing farmers’ markets in Kansas and promote awareness to customers.

The Kansas Farmers’ Market Toolkit will include marketing materials and food sampling and demonstration equipment to 20 farmers’ markets in Kansas. Ten existing farmers’ markets in low income/low access areas of the state were pre-selected to receive materials, and an additional ten established markets were selected through an application process. The identified markets will receive signage, flags, tents, hand-washing stations, sampling supplies, recipe cards and other items to promote the markets and enrich the consumer experience.

“Our goal is to enrich existing farmers’ markets by providing them resources which will maximize their volunteer time and community support and help them promote their markets locally to connect consumers and producers,” said Julie Roller, agriculture marketing specialist.

Farmers’ markets play an important role in providing access to healthy food choices in low income and

rural areas, as well as enhancing the local economy. There are currently 71 registered farmers’ markets in Kansas. Markets receiving the toolkit include: Allen County, Augusta, Belleville, Emporia, Garnett, Geary County Community Hospital, Great Bend, Hamilton County, Leavenworth, Liberal, Manhattan-Downtown, Overland Park, Pittsburg, Salina-9th and Grant, Sheridan County, Thomas County, Topeka-Capitol Midweek, Wichita-Kansas Grown! Inc., Wichita-Old Town and Winfield-Walnut Valley.

KDA, which serves as the state’s regional farmers’ market authority, promotes and supports farmers’ markets through its Kansas Farmers’ Market Network, at regional farmers’ market workshops, and through the state’s agricultural trademark program, From the Land of Kansas. This supports KDA’s commitment to providing an environment that encourages economic growth of the agriculture industry and serving Kansas farmers, ranchers, agribusinesses and the consumers they serve.

For more information about farmers’ markets in Kansas or the Kansas Farmers’ Market Toolkit, contact Julie Roller, state trademark program specialist, at 785-564-6755 or Julie.Roller@ks.gov, or at www.FromtheLandofKansas.com/farmersmarkets.

Local FFA members earn Ford Trucks/Built Ford Tough scholarships

Local FFA members were among the 57 Kansas students awarded \$1,000 Ford Trucks/Built Ford Tough Scholarships during the third session of the 88th Kansas FFA State Convention, June 1-3, 2016, on the Kansas State University campus.

The Built Ford Tough FFA Scholarship Program recognizes FFA members’ talents and accomplishments while encouraging their future academic achievements. “We’re proud to recognize these student leaders for their passion for FFA and the leadership they display in their communities and chapters,” said Lane Coberly, Kansas FFA Association treasurer. “We thank Ford Trucks/Built Ford Tough for providing financial support for our students’ educational goals.”

This year’s recipients are from: Anderson County — Maci Rockers; Atchison County — Jentry Scherer; Butler — Katie Arpin, Alexis Branscom, Bailey Bartel, Nathaniel Dick, Jacob Grinstead; Burlington — Lindsey Leiser; Central — Bailee Ellis; Central Heights — Justin Scheckel; Centralia — Karrie Van Winkle; Cherryvale — Josie Reilly; Cheylin — Ivan Kemp; Clay Center — Haley Pederson; Colby — Jenna Crampton; Columbus — Ashlee Lacer; Crest — Emily Webber; Elkhart — Sydney Dougherty; Erie — Ashlyn Taylor; Fort Scott — Cassidy Westhoff; Garden City — Jonathan Lock; Girard — Morgan Houk; Goodland — Andrew House; Haven — Connor Peirce; Hillsboro — SaRae Roberts; Hodgeman County — Adrialen Woods; Holcomb — Jordan Jarnagin; Hoxie — Taylore Schamberger; Humboldt — Tyler Korte; Iola — Clara Wicoff; Jackson Heights — Joel Nelson; Jayhawk Linn — Lauren Sluder; Labette County — Deven Foster, Kalya George, Grant Simpson; Louisburg — Abigail Tucker; Marais des Cygnes Valley — Zarin Goodrich; Marmaton Valley — Keagan Boyd; Mission Valley — Brooke Falk; Newton — Naomi Epp; Ottawa — Julie Lutz; Paola — Morgan Laudan, Meghan Schasteen; Pleasant Ridge — Cameron Kilgore; Pleasanton — Brenton Laver; Prairie View — Jackson Thayer; Republic County — Tyler Popelka; Rock Hills — Wyatt Duskie; Sa-betha — Nathaniel Niehues; Saint Francis — Garrett Brunk; Southwestern Heights — Brittany Walker; Spring Hill — Rebecca Johnson; Syracuse — Ira Kullot; Tonganoxie — Zachary Callaghan; Wellington — Shane Hughes; West Elk — Taylor Barker; Winfield — Claire Bradbury.

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Saw; King Kutter 3 PT Equip; 7’ Rear Blade; 5’ Roto Tiller; 6’ Packer;
6’ Rock Rake; 4’ Turf Air Model 48TPHD Aerator; B&S Elite 5500 W
Generator; Agri-Fab Yard Spreader; DeVilbiss 2200 PSI Washer;
12” Skilsaw Chop Saw; 20 Gal. Campbell Hausfeld Air Compressor;
Step Ladders; Stihl 028AV Chain Saw; Red Max Chain Saw; Large
Pile Hedge Firewood; Traeger 24” Wood Pellet Grill; & more; Check
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HOUSEHOLD & OTHER: Kitchen Aid Double Door Refrigerator;
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McPherson County LAND AUCTION
THURSDAY, JULY 21, 7:00 PM
132 N Main — CANTON, KS
200 ACRES OF MIXED FARM, CRP GRASS & TIMBER
112.51 cropland, wheat base of 112.51
Location: 3 Miles North of Canton on 27th Avenue then 1 1/2 miles
West on Ct. Rd. 1069 to SE Corner of property located in Sec. 30-
T18-R01, McPherson County
Agency: Midwest Land Specialists, Inc. are agents representing the Seller.
Manner of Sale: Tract 1: W1/2 of NW1/4. Tract 2: E1/2 of SW1/4
Tract 3: SE1/4 of NW1/4. Tract 4: Total of all 3 Tracts
Being offered by surveyed acres

Harvey County LAND AUCTION
SATURDAY, JULY 23 — 10:00 AM
NE 12th & North Grace Hill Rd — NEWTON, KS
160 ACRES M/L OF FORMER CRP GRASS
Legal: NW1/4 of Sec. 14, T23S, R2E, Harvey County
148.38 Acres cropland, Base Acres are 89 Wheat & 57.7 Grain
Sorghum
Agency: Midwest Land Specialists, Inc. are agents representing the Seller.
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New farming strategies can help prevent soil runoff while maintaining high crop yields

Soil and nutrient loss and runoff from agricultural fields are major problems environmentally and economically in the U.S. and globally. After heavy spring rains, soil and water runoff containing fertilizer and pesticides is washed downstream, carrying the sediment and chemicals to the Gulf of Mexico. This process creates a large oxygen-starved area which is toxic to aquatic organisms and damages the commercial fishing and tourism industries. Tree-based buffers are an effective method for preventing runoff, however they can negatively affect crop yields. Based on years of research, University of Missouri scientists suggest farmers use buffers between crops and trees; this technique reduces soil runoff and maintains good growing conditions, creating economic benefits for farmers and, ultimately, for society in general.

"It is clear that tree-based buffers are an effective method to prevent soil runoff and can be an important strategy to protect farmland and downstream ecology and water quality," lead researcher Ranjith Udawatta said. "Finding

the best ways to use tree buffers effectively while still maintaining high crop yields is imperative for the long-term success of the agricultural economy."

For their most recent study, Udawatta, an associate research professor in the MU College of Agriculture, Food and Natural Resources and the MU Center for Agroforestry, led a team of researchers who tested different strategies for preventing soil runoff. These strategies featured different combinations of crops, trees, buffer zones where tree roots were cut to prevent expansion into the crop areas, and sections of Conservation Reserve Program (CRP) land. CRP is a federal program that encourages farmers to convert highly erodible cropland and other environmentally sensitive acreage to vegetative cover, such as native grasses, wildlife plantings, trees, filter strips, or riparian buffers.

The researchers found that the most effective tactic was to utilize CRP strategically to create buffers between the trees and crops depending on the size of the trees. For example, for trees 20 feet high, Udawatta recommends a

buffer of CRP land at least six to nine feet wide before planting corn.

"We found tree buffers along streams and waterways hurt crop growth in two ways," Udawatta said. "The shade from the tall trees prevents sunlight from reaching the crops, and the trees win the competition for water, as their roots reach much wider and deeper. Cutting the tree roots alone doesn't work, as the shade from the trees still reduces crop yields adjacent to the trees."

Although being planted next to trees reduces corn yields, Udawatta did find that soybeans seemed unaffected by the trees. He suggests farmers plant soybeans next to tree buffers if they do not have enough land to plant into CRP.

The study, "Yield Differences Influenced by Distance from Riparian Buffers and Conservation Reserve Program," was co-authored by Clark Gantzer, Tim Reinbott, Ray Wright, and Robert Pierce II and was published in *Agronomy Journal* in 2016.

National DHIA announces scholarship program

National Dairy Herd Information Association (DHIA) is offering \$750 scholarships to full-time incoming and continuing students at technical and two-year and four-year colleges/universities. To be eligible for a National DHIA scholarship, the applicant must be a family member or employee of a herd on DHI test, a family member of a DHI employee, or an employee of a DHI affiliate. The DHI affiliate for the herd or affiliate employee must be a member of National DHIA. (Arizona

DHIA, Dairy Lab Services, Dairy One Cooperative Inc., DHI Cooperative Inc., Idaho DHIA, Indiana State Dairy Association, Lancaster DHIA, Minnesota DHIA, NorthStar Cooperative DHI Services, Puerto Rico DHIA, Rocky Mountain DHIA, Tennessee DHIA, Texas DHIA, United Federation of DHIAs, Vermont DHIA and Washington State DHIA are National DHIA members).

Judges will evaluate applicants based on scholarship achievements, leadership, community activities

and work experience, knowledge of and experience with DHIA, and responses to questions on the application. Applications are due Nov. 30, 2016. Recipients will be announced at the 2017 National DHIA annual meeting.

To apply for a National DHIA scholarship, log on to: www.dhia.org and download and complete the electronic application form. For more information, contact JoDee Sattler, National DHIA scholarship coordinator, at 414-587-5839 or jd-sattler@dhia.org.

National DHIA will award approximately 20 \$750 scholarships. Generous contributions from National DHIA members, friends and supporters help fund these scholarships.

National Dairy Herd Information Association, a trade association for the dairy records industry, serves the best interests of its members and the dairy industry by maintaining the integrity of dairy records and advancing dairy information systems.

Pelleting and extrusion increase digestible and metabolizable energy in diets for pigs

Scientists at the University of Illinois using co-products from the ethanol and human food industries are helping shed light on ways processing high-fiber animal feed ingredients can enhance pigs' utilization of the nutrients and energy they contain. The co-products from these industries typically contain more fiber than the standard corn-soybean meal diet.

"It is possible that the benefits of extrusion and pelleting are greater in high-fiber diets than in low-fiber diets. We set out to test that hypothesis," says Hans H. Stein, professor of animal sciences at Illinois.

Stein and his team tested effects of extrusion, pelleting, or extrusion and pelleting; using a low-fiber diet based on corn and soybean meal; a medium-fiber diet containing corn, soybean meal, and 25 percent distillers dried grains with solubles (DDGS); and a high-fiber diet containing corn, soybean meal, 25 percent DDGS, and 20 percent soybean hulls.

Each diet was divided into four batches. One batch was fed in meal form, one was pelleted at 85 degrees C, one was extruded at 115 degrees C, and the fourth was extruded at 115 degrees C and then pelleted at 85 degrees C.

"Regardless of the concentration of fiber in the

diet, pelleting, extrusion, and pelleting plus extrusion increased the digestibility of indispensable amino acids relative to feeding in meal form," Stein says. "For most indispensable amino acids, extrusion or extrusion combined with pelleting provided a greater increase than pelleting alone. There was no interaction between processing technique and fiber level."

Pelleting of low-fiber diets increased digestible energy by 1.9 percent and metabolizable energy by 2.1 percent. Extrusion did not increase digestible energy or metabolizable energy of the low-fiber diet. Combining extrusion with pelleting did not increase digestible energy or metabolizable energy compared with pelleting alone.

For the medium-fiber diets, pelleting increased digestible energy by 1.9 percent and metabolizable by 2.2 percent. Extrusion increased digestible by 2.3 percent and metabolizable

energy by 2.7 percent. The combination of pelleting and extrusion did not increase digestible energy or metabolizable energy in these diets.

Pelleting did not increase digestible energy or metabolizable of the high-fiber diets. Extrusion increased digestible energy by 2.0 percent and metabolizable by 2.9 percent. The combination of extrusion and pelleting increased digestible energy by 2.9 percent and metabolizable energy by 3.7 percent.

Hindgut fermentation was not increased in pigs fed extruded, pelleted, or extruded and pelleted diets. Instead, the increase in digestible energy and metabolizable energy appeared to be attributable to increased digestibility of amino acids and starch.

Stein concludes, "These data indicate that energy utilization may be improved by pelleting or extrusion or by a combination of the two, but the response seems to

be greater for extrusion in diets that are relatively high in fiber."

The research is supported by funding from the National Pork Board, Des Moines, Iowa, and by Buhler AG, Uzwil, Switzerland.

"Effects of pelleting, extrusion, or extrusion and pelleting on energy and nutrient digestibility in diets containing different levels of fiber and fed to growing pigs," is published in the *Journal of Animal Science*. Oscar Rojas, formerly of the University of Illinois and now of Devenish Nutrition, and Ester Vinyeta of Buhler AG are co-authors.

Smoky Hill-Saline Regional Advisory Committee Meeting planned in Hays

The Kansas Water Office's Smoky Hill-Saline Regional Advisory Committee will hold a meeting to discuss current water issues affecting the region as well as the state.

The meeting will be held Tuesday, July 19 at 10 a.m. in the Hays City Commission Chambers, 1507 Main, Hays. The main focus of the meeting will be continued regional action plan discussion and development within the Smoky Hill-Saline Region for the Vision of Future Water Supply in Kansas.

The agenda and meeting materials will be available at www.kwo.org or you may request copies by calling (785) 296-3185 or toll-free at (888) KAN-WATER (526-9283).

If accommodations are needed for a person with disabilities, please notify the Kansas Water Office at 900 SW Jackson Street, Suite 404, Topeka, KS 66611-1249 or call (785) 296-3185 at least five working days prior to the meeting.

COMMERCIAL BUILDING & PERSONAL PROPERTY (Formerly Bergstrom Greenhouse & Nursery) SATURDAY, JULY 16, 2016

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Real Estate: Office/Showroom; Cambell Obrien Greenhouse; Stuppy Greenhouse; Stuppy Classic 2000; Double car garage with shop area; Two - Stuppy Greenhouses; Ground-to-ground Greenhouse; "Gutter" house dual greenhouse. Personal Property Items: '82 Chevy Utilimaster box van, Schaben 50 Gal Industrial Sprayer (GX160 Honda 5.5 gas powered, 82" Boom), Nations 6'x15' Enclosed Trlr, 22" Self-Propelled Mower.

See 6-21-16 Grass & Grain for complete information or go to www.MidwestLandandHome.com

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AUCTION

SATURDAY, JULY 23 — 10:00 AM

306 W. BERTRAND, ST. MARYS, KANSAS

REAL ESTATE (SELLS APPROXIMATELY 12:00 NOON)

This large well located home has spacious living room, dining room, and bedroom, kitchen with pantry, and bathroom and sun porch on the main floor. The upstairs has 3 bedrooms, bath and sun room. The home has a partial basement and stairway to the unfinished attic. The butler stairway and open formal stairway along with pocket doors add to the character of this home. Many possibilities for a handyman/remodeler! There is also a detached garage on the property. Buyer to pay 10% down day of Auction with balance due on or before August 23, 2016. Buyer and Seller to

divide Cost of Title Insurance equally. All inspections including lead base paint inspection to be completed prior to Auction at Buyer's expense if requested. Taxes prorated to closing. STATEMENTS MADE DAY OF AUCTION TAKES PRECEDENCE OVER ANY OTHER INFORMATION.

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2001 Chevy S10 pick-up; 1978 Chevrolet Chevette.

Oak dropfront secretary bookcase; Oak buffet; 2 Oak library tables; cedar wardrobe; 3-drawer Oak chest; 2 granite top kitchen work tables; Oak chest-of-drawers with mirror-painted; kitchen cabinet with glass top (painted); 3-drawer antique chest; white French Provincial desk, night stand, 3-drawer chest; 3-drawer dresser with mirror; 2 4-drawer pine chests; very nice small white porcelain upright gas stove; 16 various wooden chairs; living room chairs; Oak stool; wood high chair; ½ round table; 2 school desks; 1950's living room chair; metal lawn chair; upright radio; clothes drying racks; magazine racks; stor-

age chest; recliner; utility carts; 30" Kenmore gas range; refrigerator; window air conditioner; small dinette table; humidifier; folding chairs; sewing machines; TV; Wood poster type bed; 2 hat/coat racks; painted coffee table; vanity table; 4 rockers; 3-drawer chest; beds; stand tables; 3 5-drawer pine chests; twin poster bed; wicker hamper; metal bed; footlocker; wine rack shelving; bookshelf; floor & table lamps; kerosene heater; lantern; graniteware; old toys & games; round wash tub; beveled mirror; salt & pepper collection; hen-on-nests; Vaseline glass toothpick holder; turtle teapot; red glass; lion bookends; Oriental figurines; Czechoslovakian creamers;

oatmeal glass; teapot; doll furniture; apple cookie jar; silverware; lots of glassware; lots of horse, cat & other animal figurines; candy dishes; glass swans; vases; candles; cups & saucers; sewing & other baskets; what-not shelf; area rugs; LOTS OF BEDDING; electric heater; vacuums; glasses; fans; tea kettle; pans; small kitchen appliances; Christmas decorations; puzzles; children's books; records; Barbie case; baseball gloves; manual typewriter; Jell-O molds; character glasses; step ladders; saws; shovels; hand tools; Garage is filled floor to ceiling-impossible to see until emptied. Many surprises and treasures, this is a partial list.

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Register soon for the Angus Convention

Registration for the 2016 Angus Convention opened July 1. The three-day event will take place Nov. 5-7 in Indianapolis, Ind. Visit the convention website, www.angus-convention.com, to reserve your place and make hotel reservations for this industry-leading event.

The Angus Convention will feature industry leaders including representatives from the seedstock, commercial and feeding sectors. Convention attendees will have the opportunity to sit in on educational seminars, conduct Association business, listen to top-notch speakers and network with industry professionals.

Now in its third year, the event will feature expanded workshops that cover a variety of topics, including genomics, record-keeping, herd management and perform-

ance tools. Industry-leading speakers, American Angus Association staff and other experts will be among the presenters. A three-day trade show featuring allied-industry partners will offer cattlemen and women a chance to browse through the latest in products and services available to the beef industry and to visit with Angus breeders and their commercial partners from throughout the country.

The 2016 Angus Foundation Supporter Recognition Event will be the evening of Nov. 4 in conjunction with the Angus Convention. When registering online for the convention, a feature will also be available to register for this invitation-only event.

Members of the Indiana Angus Association will host the National Angus Tour Friday, Nov. 4, prior to the official start of the

2015 Angus Convention. Tour stops will include Willer Timber Angus in Greencastle, Stewart Select Angus in Greensburg, Coverdale Angus in Frankton and The Hoosiers Gym, built by the Knightstown Community.

Convention highlights will include the International Genomics Symposium sponsored by Neogen's GeneSeek Operations and cattle demonstrations sponsored by Zoetis on Saturday, Nov. 5; Angus University sponsored by Merck Animal Health on Sunday, Nov. 6; and the Annual Convention of Delegates on Monday, Nov. 7. Country music legend Sawyer Brown will entertain the crowd on Sunday evening with a concert.

"The Angus Convention is the premier cattle event for quality-minded cattlemen. \$75 is a tremendous value for extensive ed-

ucation, a solutions-oriented trade show with over 140 exhibitors, four meals featuring Certified Angus Beef[®], plus networking and social opportunities," says Becky Weishaar, Angus Media Creative Media director and lead contact for the event.

Delegates elected to represent their state during the Association's Annual Convention may attend the Association business meetings for free; however, participation in convention education, meals, entertainment and the trade show requires a full convention registration. If you register prior to Aug. 31, the cost is \$75 per person. On Sept. 1, registration increases to \$125, and after Nov. 1, registration increases to \$150.

For more information, visit www.angus.org and www.angusconvention.com.

Fall crops progressing as wheat harvest winds down

For the week ending July 3, 2016, near-normal temperatures and cool, wet conditions dominated the weather pattern, according to the

USDA's National Agricultural Statistics Service.

Rainfall amounts of an inch were common in the north, while many southern counties received three inches or more. There were 4.3 days suitable for fieldwork. Topsoil moisture rated 4 percent very short, 17 short, 70 adequate, and 9 surplus. Subsoil moisture rated 3 percent very short, 16 short, 78 adequate, and 3 surplus.

Field Crops Report: Winter wheat condition rated 1 percent very poor, 7 poor, 28 fair, 48 good, and 16 excellent. Winter wheat harvested was 79 percent, ahead of 70 last year, and near the five-year average of 76.

Corn condition rated 1 percent very poor, 7 poor, 25 fair, 58 good, and 9 excel-

lent. Corn silking was 34 percent, ahead of 24 both last year and average.

Soybean condition rated 2 percent very poor, 6 poor, 32 fair, 56 good, and 4 excellent. Soybeans emerged was 92 percent, ahead of 80 last year, and near 91 average. Blooming was 8 percent, near 4 last year and 9 average.

Sorghum condition rated 0 percent very poor, 2 poor, 23 fair, 70 good, and 5 excellent. Sorghum planted was 97 percent, near 96 last year, and equal to average. Headed was 10 percent, ahead of 0 last year and 1 average.

Cotton condition rated 0 percent very poor, 1 poor, 34 fair, 62 good, and 3 excellent. Cotton planted was 89 percent, near 92 last year, but behind 97 average.

Squaring was 19 percent, ahead of 11 last year, but behind 24 average.

Sunflowers planted was 89 percent, near 87 last year and 90 average. Emerged was 77 percent, ahead of 70 last year, and near 76 average.

Alfalfa hay condition rated 1 percent very poor, 5 poor, 31 fair, 57 good, and 6 excellent. Alfalfa hay second cutting was 54 percent complete, ahead of 49 last year, but behind 60 average.

Livestock, Pasture, and Range Report: Pasture and range conditions rated 0 percent very poor, 4 poor, 24 fair, 62 good, and 10 excellent.

Stock water supplies were 1 percent very short, 5 short, 84 adequate, and 10 surplus.



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Upper Republican Regional Advisory Committee to meet in Colby

The Kansas Water Office's Upper Republican Regional Advisory Committee will hold a meeting to discuss current water issues affecting the basin as well as the state.

The meeting will be held Monday, July 18, 1 p.m. at the Groundwater Management District No. 4 Office, 1290 W. 4th Street in Colby. There will be information shared about the 2017 Limited Irrigation crop insurance options coming from USDA-RMA and Weston McCray of the Northwest Kansas Technical College will be presenting the Precision Agriculture program. Regional action items will continue to be developed to present to the Kansas Water Authority. The agenda and meeting materials will be available at www.kwo.org or you may request copies by calling (785) 296-3185 or toll-free at (888) KAN-WATER (526-9283).

If accommodations are needed for a person with disabilities, please notify the Kansas Water Office at 900 SW Jackson Street, Suite 404, Topeka, KS 66611-1249 or call (785) 296-3185 at least five working days prior to the meeting.

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Central Kansas Free Fair adds Open Class Barn Quilt division

A new exhibition division "Open Class Barn Quilts" has been added to the 2016 Central Kansas Free Fair in Abilene, Aug. 3-8th.

Barn Quilt enthusiasts are invited to exhibit their 2x2 foot square barn quilts during one of the largest county fairs in Kansas.

There have been displays for two years, but this year the division is on display in Sterl Hall on the walls above the entrances to the Quilt Show department, providing for more exposure to more people as they visit the booths and exhibits in Sterl Hall.

The CKFF runs from August 3 through 8th, but check-in for the barn quilts (limit two per exhibitor) is Wed., July 27th from 3-7 p.m. CKFF is open to all counties in Kansas. Each exhibitor will receive awards for their entries in the barn quilt division.

Dickinson County is one of the largest concentrations of barn quilts in Kansas, supported largely by the "Barn Quilt City of Kansas - Chapman" which proudly boasts over 80 barn quilts on display within its city limits.

For more information on exhibiting at the CKFF, contact Lori, Dept Supt., 785-313-6565 or CKFF office at 785-263-4570.

Doniphan West FFA member wins State Proficiency Award

A member of the Doniphan West FFA chapter was recognized for having one of the best career development programs in the state at the 88th Kansas FFA State Convention, June 1-3, 2016, on the Kansas State University campus.

Austin Taylor received a State FFA Proficiency Award in Specialty Crop Production during the convention for outstanding accomplishments he has made in developing programs that will prepare him for a career in agriculture. This award is sponsored by Heritage Tractor, Inc.

The proficiency award program recognizes students for exceptional accomplishments and excellence in a Supervised Agricultural Experience (SAE) program. This program allows students to set goals and gain real-world experience in a chosen area of the agriculture industry.

Taylor works for his family's operation, Taylor Seed Farms. His grandfather started the business 35 years ago, and his family has seen it through significant growth. The business

raises wheat and soybeans which are marketed to local farmers. Being involved with his family business has solidified Taylor's interest in his childhood dream of being a farmer. As his passion for farming grew, so did his knowledge. He helps operate equipment, plant, harvest, apply nutrients and chemicals and has been involved in purchasing decisions. After graduation Taylor plans on attending Highland Community College in the precision agriculture program and someday return to the family business.

Austin's parents are Jason and Marla Taylor. His advisor is Elmer Schmitz.



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Construction of Great Bend shipping center officially under way

State, local and rail officials officially kicked off construction of the Great Bend Transload Facility recently at a ground-breaking ceremony.

The shipping center, which will be constructed west of Great Bend at the airport, will provide the infrastructure necessary to move goods from one mode of transportation to another, or, in this case, from truck to rail and rail to truck.

"This is a great example of a public-private partnership that will benefit not only the city but the entire region. It creates opportunities for economic development, jobs and enhanced shipping efficiencies," said Kansas Transportation Secretary Mike King, who is also the Director of the Kansas Turnpike Authority. "It will have great benefits for

farmers and manufacturers."

Great Bend was selected for the transload facility last year by the Transload Facility Site Analysis Selection Committee, which includes public and private sector representatives. The Kansas Department of Transportation will contribute \$3 million to the \$6.8 million project.

The consortium that developed the proposal for the facility comprises the city of Great Bend, the Great Bend Chamber of Commerce and Economic Development,

Kansas and Oklahoma Railroad (K&O), and Kansas Transload Services. Sherwood Companies of Oklahoma City will operate the facility, which is expected to be in operation by the end of the year.

Red Angus Convention to spotlight excellence and progress in the beef industry

"Oklahoma, where the Red Angus Roam" is the theme for the 2016 National Red Angus Convention being planned for September 7-9, 2016 in Oklahoma City. With the spotlight on excellence and capturing additional dollars from the marketplace, Red Angus cattle raisers will not want to miss this information-packed, three-day event.

The Commercial Cattleman's Symposium "Putting Dollars in Your Pocket" on Wednesday, Sept. 7, will feature leading industry experts addressing opportunities in the beef industry to capture additional value for your business through innovative marketing, nutritional considerations of the cowherd and by using additional technology to improve profitability. Oklahoma State University's own Clint Rusk will serve as emcee for the session. RAAA CEO Tom Brink will provide the keynote address. There is no charge for the Commercial Cattleman's Symposium, although registration is requested to plan for the event. Lunch will be provided to Commercial

Cattlemen's Symposium attendees and the Convention Trade show will be open to visit with vendors. Please register online at (<http://goo.gl/forms/o3TTCftPiObpDUy2>) to attend.

The convention business session will begin on Thursday morning and include the annual Association update, committee reports and a keynote message from Dr. Tom Field, Director of the Engler Agribusiness Entrepreneurship Program at the University of Nebraska, Lincoln. Friday, the RAAA business session will conclude with the election of new members of the Board of Directors as well as honor excellence at the annual awards banquet that evening.

Full convention registration is \$295 per person and includes most meals, socials and meeting breaks. Registration is available online <http://redangus.org/calendar/national-convention>.

Hotel headquarters is the Renaissance Oklahoma City Convention Center Hotel, 10 North Broadway Avenue, Oklahoma City, Oklahoma. Room rate is \$139 per night. Room reser-

vations should be made directly with the hotel and be requested in the Red Angus room block. Rooms can be reserved online (<http://bit.ly/2984ZvZ>) or calling the hotel at (405) 228-8000.



Wesley Denton, Blue Rapids, exhibited the Reserve Champion Bred and Owned heifer at the Midwest Regional Junior Hereford show in Pipestone, MN. Shown with Denton is Luke Keller, Mandan, ND, who judged the 110 head show.

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Solomon-Republican Regional Advisory Committee to hold meeting in Downs

The Kansas Water Office's (KWO) Solomon-Republican Regional Advisory Committee (RAC) will hold a meeting to discuss regional goals and priorities.

The meeting will be held Monday, July 18, 10 a.m. in the Pioneer Seeds Meeting Room, 240 W. U.S. Highway 24 in Downs. The agenda will include review of the regional action plan, guest speaker Dale Strickler and

a program update by Kelly Stewart.

The agenda and meeting materials will be available at www.kwo.org or you may request copies by calling (785) 296-3185 or toll-free at (888) KAN-WATER (526-9283).

If accommodations are needed for a person with disabilities, please notify the Kansas Water Office at 900 SW Jackson Street, Suite 404, Topeka, KS 66611-1249 or call (785) 296-3185 at least five working days prior to the meeting.



ESTATE AUCTION

SATURDAY, JULY 16 — 10:00 AM

Prairie Chic, 9 S. Broadway St. — HERINGTON, KS 67449

AUCTIONEER'S NOTE: Greg was a native of Herington and a big fan of the KU Jayhawks and the Rock Island Railroad. He was an avid collector and attended auction and estate sales all over the country. Over the years he had gathered quite the array of items, this is one of the larger collections of Rock Island memorabilia we have had the privilege to sell. His motto was, "He who dies with the most toys, wins!"

Rose Bina is offering for auction the ESTATE of GREG TRAPP

RAILROAD ITEMS: (w/ markings lots of Rock Island, AT&SFRY); Southern Pacific Lines Conductors Chair; Dietz Acme Inspector Lamp; Adlake Kero Lamp, Orange Globe; Dressel Lamp, Blue Globe; Torch Lamp; Model Train Engines (Lionel 231); Tyco 4301 HO Scale Engines; Shovels, Tin Snips, Misc Hammer Heads, Hatchet, W&B Special Wrenches, Pick Axe Heads, Grub Hoe Heads; Trestle Toy Bridge; Books; 1954 Rocket Calendar; Postcards, Stationary, Paperwork & Forms; Certificate of Examination; Ticket Books; Crock Jug; Rock Island Brass 2 1/2-gal Fire Extinguisher; Chicago Railroad Fair Guide Book 1948; CRI&PR-Office of Surgeon-in-Chief 1886 Letter; Rock Island Stock Certificates 50 & 100 Shares x25; RR Switch Locks w/ keys (Adlake, Union Pacific, UP-CS-21) x15; RR Lock Keys x25; Rock Island Silver Soldered Plate x2, Food Dome x2, Teapot x2; Rock Island Pins, Fobs, Brake-man x3 & Conductor x3 Hat Badges, Playing Cards, Uniform Buttons, Belt Buckles, Patches, Tokens, Conductors Hat w/ Badge, Coffee Mugs (Herington), Ash Trays, Glasses, Sign, etc); RR Badges (Special Agent, Police, Officer, Patrolman); Handlan Signal Lamp; Adlake No 250 Lantern, Red Globe; Adlake Lantern, clear "Safety First" Globe; Oil Can w/ Large Spout; Rock Island Prints (Depot by John Holbird, Caboose by DR Scott 186/225); More Misc.

RAILROAD ITEMS: (w/o markings): Cast Steam Engine Bell on Stand; Adlake Non-Sweating Lamp; 4-way Switch Stand Lantern; Master & Mobile Glass Oil Jars; 5 1/2" Glass Light Lens (red, blue, orange, clear); Aladdin Mod. C Wall Kerosene Lamp; Vintage B&W Photos; Spike Maul; Tie Tong; RR Nails; Golden State Menu; Railway Torpedoes Wooden Crate; Whistle; Syracuse China; Brass Coach Lamp; More Misc.

CIGAR & TOBACCO, KU & CHIEFS COLLECTIBLES, ANTIQUE TOOLS, ANTIQUES & COLLECTIBLES, HOUSEHOLD & TOOLS

This is only a partial listing. See full listing: www.GriffinRealEstateAuction.com

RICK GRIFFIN
Broker/Auctioneer
Cell: 620-343-0473

Griffin Real Estate & Auction Service LC

CHUCK MAGGARD
Sales/Auctioneer
Cell: 620-794-8824

305 Broadway
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Toll Free: 1-866-273-6421

In Office: Nancy Griffin, Heidi Maggard
Email: griffin123@gmail.com
www.GriffinRealEstateAuction.com



Auction Sales Scheduled

check out the on-line schedule at www.grassandgrain.com

July 13 — Fixtures, remaining inventory & accumulation at Manhattan for Varneys. Auctioneers: Gannon Real Estate & Auctions.

July 13 — 320 acres McPherson County land, 2 lakes, pasture, timber, springs, rolling hills, walnut trees, wildlife, live water held at Lindsborg for Premier Grandchildren's Trust. Auctioneers: Sundgren Realty Inc., land brokers.

July 14 — 3BR 1BA home on corner lot at Topeka for Jewett Family Trust, Pearl "Peggy" Jewett. Auctioneers: Gannon Real Estate & Auctions.

July 14 — 159 +/- acres in Richfield. Auctioneers: McCurdy Auction, LLC.

July 14 — Quality furniture, household items, miscellaneous, collectibles at Osage City for Trey & Jane Williams' Smith. Auctioneers: Wischropp Auctions.

July 14 — 628.7 acres - 3 tracts, 318 ac. Rice County cropland & grass; 1 tract, 310.7 ac. Ellsworth County grassland held at Lyons for property of the family of the late Harold Nichols & Mildred Shumway. Auctioneers: Griffin Real Estate & Auction Service, LC.

July 15 & 16 (7-15: Butler County land & ranch dispersal; 7-16: farm equipment dispersal) at Augusta for Larry & Judy Jackson. Auctioneers: Chuck Korte Real Estate & Auction Service, Inc.

July 16 — Collectibles, primitives, furniture, power wagon & misc. at Council Grove for Private Seller. Auctioneers: Hallgren Real Estate & Auctions, LLC.

July 16 — (2) insulated Sturdy-Bilt buildings, 2006 VW Beetle, Destiny powered parachute, tools, household & other at Hesston for Paul & Teresa Mullet. Auctioneers: Auction Specialists, LLC.

July 16 — Coins at Portis for Paul Fritch Estate. Auctioneers: Wolters Auction.

July 16 — Railroad items, cigar & tobacco, KU & Chiefs collectibles, an-

tique tools, antiques, collectibles, household & tools at Herington for the Estate of Greg Trapp. Auctioneers: Griffin Real Estate & Auction Service, LC.

July 16 — Farm, shop, lawn & garden equipment, pump, wheelchair, household & much more at Allen for Mary Flowers. Auctioneers: Hancock Auction & Real Estate.

July 16 — Tractor, farm equipment, trucks, cars, tools & misc. at Russell for Elmer Maier. Auctioneers: Rohleder Auction & Realty.

July 16 — Well-Kept mobile home park on 3 acres +/-; 1988 Cadillac El Dorado, shed, scooter, furniture, household at Westmoreland for Rollin' Wheels, Vic & Doris Poteet. Auctioneers: Gannon Real Estate & Auctions.

July 16 — Antiques, unique farm-related antiques, collectibles & more at Chapman for Dewain Krinhop. Auctioneers: Reynolds Auction Service.

July 16 — Furniture, lamps, pictures, antique & collectible items at Galva for Galva Emporium Mall, Jerry & Vicki Round. Auctioneers: Van Schmidt.

July 16 — Commercial building & personal property at Clay Center for formerly Bergstrom Greenhouse & Nursery. Auctioneers: Midwest Land & Home.

July 17 — Vehicle, John Van Koert Drexel "Profile" Mid-Century modern furniture, collectibles, Jayhawk items, vintage Hummels, crystal, household & misc. at Lawrence for Lenoir Ekdahl Living Estate. Auctioneers: Elston Auctions.

July 19 — Real estate, guns, camper, scooters, household at Down for Max Goheen Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

July 21 — 200 acres m/l McPherson County farmland, grass & timber held at Canton for Carl C. Krehbiel Revocable Trust. Auctioneers: Midwest Land Specialists, LLC.

July 22 — Antiques, collectibles & household at Marysville for Mary Lou (Mrs. Tarz) Williams. Auctioneers: Olmsted's & Sandstrom.

July 23 — Large, well-located home, vehicles, furniture, household at St. Marys for Wallace & the late Helen Becker. Auctioneers: Gannon Real Estate & Auctions.

July 23 — 160 acres m/l Harvey County grass held at

Newton for Carl C. Krehbiel Revocable Trust. Auctioneers: Midwest Land Specialists, LLC.

July 23 — Farm equipment at Bennington for Jim & Sue Henry. Auctioneers: Oml & Associates, Inc.

July 23 — Tractors, trucks, trailers, farm equipment & machinery, misc., shop, collectibles at Peabody for Edna (Mrs. Eldon) Andres. Auctioneers: Leppke Realty & Auction.

July 23 — Quilts, linens, furniture, glass & collectibles at Munjor, KS for Martina Younger. Auctioneers: Thummel Real Estate & Auction, LLC.

July 23 — 80 acres, farm equipment, guns, antiques & personal property at Abilene. Auctioneers: Wilson Realty & Auction Service.

July 23 — 200 acres Republic County farmland (pasture, cropland, ponds, timber), held at Cuba for Tom & Kristi Blazek. Auctioneers: Raymond Bott Realty & Auction.

July 26 — 121 +/- acres in Valley Center. Auctioneers: McCurdy Auction, LLC.

July 28 — 285 +/- acres in Conway Springs. Auctioneers: McCurdy Auction, LLC.

July 28 — 150 +/- acres in Cheney. Auctioneers: McCurdy Auction, LLC.

July 29 — 232 +/- acres in Vernon County, Missouri. Auctioneers: McCurdy Auction, LLC.

July 29 — 63 +/- acres in Stella, Missouri. Auctioneers: McCurdy Auction, LLC.

July 30 — 1750+ pieces of machinery, tractors, combines, platforms & corn heads, planters & drills, tillage tools, hay equipment, rotary cutters, construction pieces, lawn, garden & ATVs, grain, feed & material handling; sprayers & applicators; trucks, trailers, livestock equipment just West of Paris, Missouri. Auctioneers: Wheeler Auctions & Real Estate.

July 30 — Tractors, lawn mower, trailer, Spyder cycle, tools, household & antiques at Salina for Jerome A. Hein Trust. Auctioneers: Baxa Auctions.

July 30 — Real estate & collectibles at Frankfort for Margaret Elaine Kurtz. Auctioneers: Olmsted's & Sandstrom.

July 30 — Kubota 4x4 tractor, ZTR mower, new tools, household at Enterprise for Walton & Rene Cook. Auctioneers: Reynolds Auction Service.

July 30 — Pickup, Gator,

auger, collectibles, household, tools at Mankato for Doris Alexander & the late Newell Alexander. Auctioneers: Thummel Real Estate & Auction, LLC.

July 30 — Late model farm machinery inc. tractors, grain trucks, 4-wheelers, mowers & much more at Ellis, Nebraska for Brod Farms. Auctioneer: Dave Bures.

July 30 — Farmland (4 farms, 540 acres m/l) held at Marysville for Mike & Susie Wilson. Auctioneers: Raymond Bott Realty & Auction.

July 31 — Antique & modern furniture, glass, collectibles, cloth, etc. at Osage City for Mr. & Mrs. Don Boaz. Auctioneers: Wischropp Auctions.

August 3 — Farm & Industrial consignments at Beattie. Auctioneers: Rottinghaus Auction.

August 6 — Collectibles & household at Beattie for Lawrence V. & Caroline Mulhern Trust. Auctioneers: Olmsted's & Sandstrom.

August 6 — Farm equipment held at Wilson for Robert & Joan Malir. Auctioneers: Oml & Associates, Inc.

August 6 — Two farms (120+ acres cropland; 21 acres cropland) held near Morrowville for the Estate of Robert Burton. Auctioneers: Raymond Bott Realty & Auction.

August 10 — Restaurant real estate at Salina for Western Sizzlin' Buffet & Steakhouse. Auctioneers: Wilson Realty & Auction Service.

August 13 — Furniture, glassware, collectibles, china, household at Blue Rapids for Dorothy Hula. Auctioneers: Joe Horigan.

August 13 — Complete auto shop liquidation, car lift, SnapOn tools, brake equipment, car & trucks at Bennington for old 81 Auto Repair. Auctioneers: Reynolds Auction Service.

August 13 — Commercial building & personal property held at Greenleaf for formerly Bright Beginnings Daycare/Greenleaf School. Auctioneers: Midwest Land & Home, Mark Uhlik.

August 18 — Tractors, harvesting equipment, trucks, hay & livestock equipment, farm equipment, tanks, shop, antiques & misc. at Lyons for Kenny & Judy Malone. Auctioneers: Carr Auction & Real Estate, Inc.

August 21 — 250+ lots of coins, 1909 SVDB, 1889CC, sets of sterling, bulk silver, gold pieces, art, glassware at Abilene for Dr. Frank Holtz Trust. Auctioneers: Reynolds Auction Service.

August 27 — Complete mechanic shop, complete line of tools, trucks, trailers, track hoe, Cat, other equipment at Abilene for Frank Fry. Auctioneers: Reynolds Auction Service.

AUCTION

TUESDAY, JULY 19 — 4:30 PM

Auction will be held at the home 915 Beale in DOWNS, KANSAS

REAL ESTATE SELLS AT 6:00 P.M.

Legal: W 1/2 Lot 7, all of Lots 8, 9 & 10 Block 20 Original town site City Downs: 915 Beale: 3 bedrooms with 1 bath, kitchen, dining room, front room, central heat, 1 car detached garage.
Terms: 10% of purchase price as down payment day of auction, the balance will be due upon closing on or before August 30, 2016. Possession will be upon closing. Title insurance will be used, the cost will be split 50/50 between seller and purchaser. Closing cost will be split 50/50 between seller & purchaser. Gregory law office will act as escrow agent.

GUNS: 4:30 P.M.

Winchester 255 lever 22 WMR; 2. Toy trainer bolt rifle; 3. Ruger 1-H sporter 45-70 lever single shot; 4. LC Smith field grade 12 ga side by side double barrel shotgun; 5. Remington hammer 12 ga double barrel shotgun Damascus barrel; 6. Savage M93 22 WMR bolt w/3-GX Variable scope; 7. Remington M700 BDL 30-06 bolt w/Bushnell scope; 8. Ruger M77/17 HMR bolt w/Bushnell scope; 9. Winchester M1885 high wall 38-55 single shot w/Tang sight; 10. Riverside Arms 12 ga; 11. New England Firearms "Pardner" 12 ga; 12. Ruger M10-22 rifle

w/Simmons scope; 13. Browning Belgium 22 LR rifle; Crossman M760 177 pellet gun in box; knife; holsters.

CAMPER, SCOOTERS, HOUSEHOLD

1981 Toyota Huntsman camper; 2 Baja motor scooters (SC50 & SC150); Murray 12 hp 38" riding mower; roto tiller; GTO coaster wagons; porch swing; wash tubs; cream can; Black Canyon bike; Homelite chain saw; assortment yard & hand tools; grandfather clock; Household inc.: oak rocker; desk; sewing table; square stand; Singer treadle sewing machine; 20's chest;

20's desk; several 4 drawer chests; blonde dresser; full bed; assortment of other household furniture; baby quilt; Fisher Price toys; color wheel; 60's trash cans; crock bowls; graniteware; 60's table lamps; bread boxes; Crosley radio; heaters; Cosco step stool; assortment of pictures inc.: lady; kerosene lamps; sad iron; large assortment of books inc.: (1892 Lincoln & Men of War Times, Civil War, Western, Confederate Soldier, many other very good books); records; blankets; large assortment of other household items.

Note: For pictures check our web site at www.thummelauction.com.

MAX GOHEEN ESTATE

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

AUCTION

SATURDAY, JULY 16 — 10:00 AM

878 Road 310, Allen, Ks. Allen is located on Highway 56 East of Council Grove and West of the Kansas Turnpike. From Allen, go south on the Allen Road or Road L 3 miles to Road 310 and West on 310 2 1/2 miles to auction site which has a long drive way. From Emporia, go North on Highway 99. At the Curve and intersection of 240, Highway 99 and Road L, go North on Road L 7 miles to Road 310 and West to auction site.

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K-State Veterinary Diagnostic Lab finds lead poisoning a problem in cattle

The Kansas State University Veterinary Diagnostic Laboratory diagnoses many kinds of illnesses throughout a given year, but the one witnessed frequently this past spring in cattle was lead poisoning.

"Lead poisoning is the No. 1 poisoning we diagnose in the diagnostic lab," said Gregg Hanzlicek, director of production animal field investigations with the lab. "This past spring, we had several cases of spring-born calves diagnosed with lead poisoning shortly after going to pasture."

Lead poisoning is difficult to identify and is often fatal. For this reason, it's important for producers to be vigilant in monitoring for differences in behavior.

"Like many poisonings, unfortunately one of the most common signs is finding one or more dead ani-

mals in the pasture. For those that aren't found dead, another clinical sign is a difference in behavior," Hanzlicek said. "The calves or cows may stumble or stagger; they may then become recumbent followed by convulsions. One of the major classical signs of lead poisoning in cattle is blindness."

Within a day or two of ingestion, the signs of lead poisoning will begin to show, either by death or by those symptoms, he said.

Lead poisoning is diagnosed most often in young calves. Since medicinal treatment for lead poisoning is largely ineffective, prevention is the best control method. Identifying how cattle acquire lead poisoning can give producers a look into how to prevent it.

"The only way a calf or a cow can become poisoned is

if they ingest the lead. Any age animal can ingest it and become poisoned, but the reason we see it more often in calves is for a couple of reasons," Hanzlicek said. "Newborn calves going to pasture are curious, so they're mouthing things and trying to eat things older animals normally wouldn't. When we have hard rains, sometimes the rain washes uncovers sources of lead, then the calf has exposure to it."

Monitoring your pasture for items that contain lead can decrease the chance of poisoning.

"The most common sources of lead toxicity in calves and cows are old batteries from trucks and cars that have been disposed of in the pasture. Calves either lick on the battery posts or lick on the plates in the battery. There are other

sources such as linoleum or old caulking materials," Hanzlicek said. "To prevent it, if you know that you have a site where things were disposed of in the pasture, it's a good idea to fence the area to prevent animals from having access."

Though prevention is the best treatment, there are things producers can do should they suspect that their cattle contracted lead poisoning.

"With the fact that we have smartphones and these devices have video capability, I would advise the producer to take a relatively long video of the animal and send it to their veterinarian," Hanzlicek said.

The veterinarian can then decide, based on the video, if more testing is needed to find the true problem.

"There are a couple of good blood tests that are definitive for lead poisoning for diagnosing it in live animals," Hanzlicek said. "For animals that are found dead, we typically like liver and kidney tissue sent in to determine the lead level of those tissues."

Lead poisoning can be confused with other diseases, so when these symptoms arise, it's important to identify what is ailing the animal.

"Some of the things that can be confused with lead poisoning is a neurologic disease called Polioencephalomalacia, another one is rabies and the third is low magnesium," Hanzlicek said. "The point is, because you see the clinical signs, you can't just think of lead poisoning. There's a whole bunch of other diseases to

take into consideration. The best source of advice is your veterinarian as he or she has been trained to recognize a diverse number of diseases. Many diseases appear with similar clinical signs to the lay persons' eye."

Contact the Kansas State Veterinary Diagnostic Laboratory for more information.

Southeast FFA members receive State FFA Degree

A total of 52 students from the Southeast District FFA were awarded their State FFA Degree at the 88th Kansas FFA State Convention, June 1-3, 2016, on the Kansas State University campus.

The State Degree is the highest honor the Kansas FFA Association can bestow upon its members. In order to achieve this award, members must meet the following requirements: have received their Chapter FFA Degree, been an FFA member and agricultural education student for at least two years, earned at least \$2,000 or worked 600 hours in their Supervised Agricultural Experience program, given a six-minute speech about agriculture or FFA, participated in eight different leadership activities, received a "C" average or better in high school and shown a record of outstanding leadership and community involvement.

The members who met these qualifications and their respective FFA Chapters from the Southeast District are: from Altoona Midway: Dakota Carter; Caney: Ciara Reeves, Caitlynn Stevenson; Cherryvale: Alexa Maulsby, Trenton Smedley, Zackery Steed, Zachary Wood; Coffeyville:

Kristin Isle, Tracer McClellan; Columbus: Marilyn Crain, Amber Helwig, Bailey Schultz; Erie: Matthew Brungardt, Ashlyn Taylor, Wyatt Taylor, Kara Wilson; Fort Scott: Ryann Allison, Dawson Minor, Cassidy Westhoff; Fredonia: Brianna Nelsen, Linda Shinkle; Girard: Kaden Belcher, Caylee Egbert, Ethan George, Sydney Gottlob, Morgan Houk, Morgan Michael, Latricia Pike, Matthew Robinson, Jon Zimmerman; Labette County: Ryan Beeson, Mallorie Keltz, Megan March, Tegan Maxson, Grant Simpson, Kayleigh Wilson; Marmaton Valley: Mackenzie Tynon; Riverton: Cole Riggin; Sedan: Kayla Signer; Union-

town: Hayden Cole, Taylor Cooper, Trevor Crossland, Kaylyn Crystal, Zach Davis, Garrett Elder, John Emmerston, Haley O'Neal, Holly Shinn, Colt Sutterby, Jason Wilson; Yates Center: Brian Karmann, Jaylie Weseloh.



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ESTATE AUCTION
SUNDAY, JULY 17 — 9:00 AM
1625 Stratford — LAWRENCE, KANSAS
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John Van Koert Drexel "Profile" Mid-Century Modern Furniture VEHICLE, COLLECTIBLES, HOUSEHOLD, MISC. Jayhawk Items, Vintage Hummels, Crystal
See last week's Grass & Grain for listings & Please visit us online www.KansasAuctions.net/elston for pics!
AUCTION NOTE: Lenoir is a 60+ year resident of Lawrence & her Auction will contain many Vintage Collectibles as well as Name Brand Modern Items! Plenty of shade! Be courteous to the neighbors when parking! Very large auction! Concessions by Happy Trails Chuckwagon
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7/14 AT 12 NOON: 159 1/2 ACRES IN RICHFIELD, KS ABSOLUTE! No Min, No Res! 159.7% acres of cultivated land. Leased. 2/3 - 1/3 share crop. Mineral rights intact and transfer. Auction conducted on-site. Richfield, KS HWY 51 & HWY 27

7/26 AT 12 NOON: 121 1/2 ACRES IN VALLEY CENTER, KS 121.9% of undeveloped land zoned SF. Current oil production. 1/2 of mineral right interest transfers. Auction conducted on-site. Online bidding avail. Valley Center, KS HWY 69th & HWY 135

7/28 AT 12 NOON: 285% ACRES IN CONWAY SPRINGS, KS ABSOLUTE! No Min, No Res! 285% Acres of land. Leased. Mineral rights intact and transfer. Auction conducted on-site. Online bidding avail. Conway Springs, KS W 60th & Conway Springs Rd

7/28 AT 3:00 PM: 150% ACRES IN CHENEY, KS ABSOLUTE! No Min, No Res! 150.4% Acres of cultivated land. Leased. Current gas production. Mineral rights intact & transfer. Auction conducted on-site. Online bidding avail. Cheney, KS HWY 54 & 150 Ave

7/29 AT 12 NOON: 232% ACRES IN VERNON COUNTY, MO ABSOLUTE! No Min, No Res! Offered Separate Par A: 72.3% Acres. Par B: 160% Acres. Both leased. Mineral rights intact and transfer. Auctions conducted off-site. Online bidding avail. Sheldon, MO Waldo & I-49

7/29 AT 3:00 PM: 63% ACRES IN STELLA, MO Auctioning No Min, No Res! 63.2% Acres of land. 2-BR, 1-BA farm home. Rolling hills, cross-fencing, well and outbuildings. Auction conducted on-site. Stella, MO Route 76 & Spruce Rd - 369 Spruce Rd, Stella, MO

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AUCTION
SATURDAY, JULY 23 — 9:30 AM
Auction will be held at the home 881 Main west side of Catholic Church in Munjor, Kansas (Munjor is located 3 miles South of the Hays airport or from I70 east of Hays take the Toulon exit South to Highway 40 then 1 mile West then 3 miles south to Munjor, Kansas).

QUILTS & LINENS
40 quilts (Yo-Yo, embroidered, pieced, signature, Dresden plate, fan, wedding ring, flower garden, others, heavy tied blankets, crazy quilts); crocheted bedspreads, tablecloths; doilies; table runners; granny square afghan; partially & unfinished quilt tops, blocks & quilt pieces; partially & unfinished embroidered quilt blocks & tops; fabric modern & vintage; flour sack material; pillowcase ticking; men's ties; aprons; large assortment linens: embroidered, cut & crocheted pillowcases, crocheted, embroidered, cut work, colored cut work, Battenburg lace & tatted sheet; pillow case sets; assortment bed sheets some new in pack; large assortment hankies: cut work, lace, crocheted, embroidered, fancy, every day, linen; curtains; silk scarves, End of World War II 1945; needlepoint collection; throw pillows; assortment baby clothes; bead work fabric/clothes; embroidery, tatting & crocheting thread, some on wooden spools; thimbles; sewing supplies; buttons vintage; assortment sugar feed sacks; tea towel transfers, quilt & quilting patterns; large collection Work Basket 1949-1990; Magic Crochet & other quilting magazines; weaving loom w/manual; empty thread spool boxes; round wicker sewing baskets w/lids; treadle Singer machine; electric Singer sewing machine.

FURNITURE, GLASS & COLLECTIBLES
Fender double neck steel guitar in original case; trumpet; banjo; oak claw foot parlor table; foot stool; small tiered stand; Victorian pedal organ; shaving stand w/mirror & basin; Victorian chair; oak arm chair; pink "flower" floor lamp; tiered wooden stand; 2 wood burning cast iron stoves; Lowrey electric organ; large desk; blonde desk; blonde china hutch; blonde end tables; floor fan; tables; couch; chairs; quilt racks; floor lamp; shelving units; cast iron patio table chairs & bench; TV; CD VCR; DEV; radios; clocks; St. Anthony Hospital in hays picture (old & new structures); pictures (Munjor interior church w/communion rail, angels, crewl embroidery, family record, crazy quilt, cut work, oval frame; frames on stands & document box; framed documents from railroad giving/selling land in Ellis Co.; quint's picture & article; Cupid Awake Asleep; barn books & signed picture); Victorian scrap book, photo album & quilt postcard book; Ellis Co. oil field map; Munjor cemetery plot map; Kansas maps; Atlas; stamp collection; pen & pencil collection; German books; sets silverware; collector info books depression, quilts other; large dictionary & globe; sad irons; shoe stretcher w/3 sizes; small wash board; retractable clothes line; curling iron collection; large flower vases; Snowbabies; Santa's of the World collection; Home Interior figurines; Seraphim Classic Angel collection; Birthday Girl figurines; assortment of jewelry racks; perfume atomizers; perfume bottles; jewelry boxes; Japan tea cups, saucers bowls; candle holders; Victorian photo albums; calendars inc 1932; postcard collection; valentines; Avon cameo brush, comb, mirror & powder set; celluloid dresser sets; green dresser wets; mirrored dresser trays; shoe figurines collection; Indian beaded purse w/picture & article; beaded purses; large assortment jewelry (Czech, Sarah Coventry, Avon, broaches, necklaces, rings, bracelets, costume, gold, silver, sterling, pearls, coral, turquoise, beaded collars, boxes.); shoe clips; lipstick cases; compacts; pill boxes; hat pins; lapel pins; bead work & beads; chandelier beads/crystals; assortment of pins, tie clips, award pins, medals, religious & war medals, campaign buttons; hair combs; barrettes; Jadite; Camel & Coors cigarette lighters; Busch & Coors belt buckles; coin purses; dice collection; glass inc.: cut glass carnival glass, Iris & Herringbone clear & amber; yellow, pink, green, turquoise & clear depression glass; blue & clear bubble glass; hand painted china inc.: Prussia; wheat dishes; Fiesta; hobnail; Moonstone, Ruby Red; Avon Cape Cod; collection candle holders; Goofus; oatmeal; Platzgraff; collection salt & pepper; assortment small pitchers, sugars/creamers, cups, vases, candy dishes, butter dishes; green depression night stand lamps; kerosene lamp; plates inc.: Ellis Co church, Jimmy Carter, other Presidents; glass rolling pins; glass nut grinder; Polaroid camera; record albums (Ellis county polka bands & other); 45 records; office supplies; 2 IBM Selectric typewriters; typewriter stand.

Note: This is a very large auction, Martina collected glass, quilts, linens and many more items for many years. The auction will be a sit down auction in a metal building. No air conditioning. Check our web site for pictures at www.thummelauction.com.

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BAXTER BLACK

ON THE EDGE OF COMMON SENSE

Whoa, Mule!

I finally collected enough first-hand reports to answer the age-old question, "How do you stop a runaway mule?"

Ace Reid said he had been invited to be the parade marshal in Uvalde. They sat him up in the seat of a good-sized freight wagon pulled by a team of big mules. Halfway through the parade the mules spooked and started galloping down the street! The driver looked at Ace, handed him the lines and jumped ship! Ace said they were headed straight for a tuba player and two drummers ridin' drag in the Sabinal

High School marching band! He was able to alter the trajectory just enough so that the mules swung toward the sidewalk. When the wagon tongue hit the light pole, they stopped dead in their tracks!

Deanie and her husband Mike train horses up in the Yakima Valley. One afternoon they went down to move a set of heifers from the high school section into the next pasture. She was ridin' a two-year-old filly and Mike was puttin' the fine-tuning on a new mule. Deanie got a head start and was ridin' around the heifers when she saw Mike,

well, actually heard Mike comin'! His mule was runnin' like a race horse! Mike's ears were blowed flat against his head and he'd applied one of his ol' trainer's tricks to gain control. He had pulled that mule's head all the way back around 'til his nose was in Mike's left stirrup! Deanie watched as the mounted cartoonists slowed to a bangin' trot and crossed the school house playground! She could hear Mike shouting instructions as they ran the obstacle course of sandboxes, teeter-totters and jungle gyms! How they made it lengthwise through the swing set without strangling Mike is a miracle! The mules, still jerked into a "U" rebroke into a gallop, ran straight through the heifers and scattered 'em like balls on the break! Deanie swung to get outta they way but the mule rear-ended her at full speed. Stopped him in his tracks!

Out in California, Uncle

Jack has a mule on his place that he called Son of the San Joaquin. Lon insisted on ridin' him in spite of Jack's precautions. He watched Lon lope his mule up the road but it wasn't long 'til he heard the sound of pounding hooves! Over his shoulder Jack saw Lon shoot past him. They were kicked into overdrive in spite of the fact that Lon had the mule's head pulled clean back to his boot top! The road turned right. The mule never noticed. He ran smack dab, flat into an orange tree! From Jack's vantage point, it looked like the orange tree had been struck by lightning! A terrible crashing sound ensued as Lon flew off the mule and shot through the branches like a six-foot smoked salmon fired from a battleship!

Did it stop the mule? You bet, but they say you can still see pieces of Lon's hat and shirt and glassed embedded in the bark.

Local FFA members receive Orscheln Farm and Home scholarships

Orscheln Farm & Home Stores of Kansas awarded eight scholarships to FFA members from across the state during the third session of the 88th Kansas FFA State Convention, June 1-3, 2016, on the Kansas State University campus.

The Orscheln Farm & Home Stores scholarships are awarded to graduating high school seniors of Kansas high schools who plan to attend a four-year program or a two-year program with the intention of transferring to a university or college majoring in agriculture in the state of Kansas.

Students who are awarded the scholarship are four-

year members of the Kansas FFA Association and have a keen interest in the family farm and its importance to society. Scholarship recipients demonstrate outstanding leadership, community service, exhibit good character and moral traits, and have excelled scholastically during high school.

This year's recipients are: Trevor Herman, Buhler; Jonathan Zimmerman, Girard; Margaret Roth, Holcomb; Samantha Beauchamp, Holton; Deven Foster, Labette County; Elizabeth Meyer, Marion; Hunter Johnson, Washington County; Keaton Johnson, Winfield.

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