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Symposium focuses on three pillars of sustainable beef

By Donna Sullivan, Editor

The Beef Sustainability Knowledge Summit was held May 10 at the Kansas State University Alumni Center, hosted by K•Coe Isom (formerly Kennedy and Coe) and K-State's Beef Cattle Institute. Moderated by Sara Harper of K•Coe Isom and Dr. Brad White of the Beef Cattle Institute, the event brought together stakeholders from throughout the beef supply chain to discuss the three pillars of sustainability – environmental, social and economic.

The format for the day was panel discussions, with the panelists making opening remarks, then taking questions from the moderators and audience. Animal Health and Care Challenges and Solutions was the topic tackled by the first panel, made up of Dr. Christy Goldhawk of Elanco, Dr. Bob Larson from Kansas State University, Dr. Trent Fox, of Veterinary Research and Consulting Services and Tim Hardman of the World Wildlife Fund.

Larson opened with a quick overview of the beef industry, also explaining that some of the factors influencing it are high land and labor prices, low feed prices, excellent infrastructure for moving things, a low cost of technology and a variety of climates that affects forage production. The fact that most cattle in the U.S. are raised outdoors, parasites are a big concern. Another is the challenges presented with the co-mingling of cattle. "Our transportation infrastructure allows for fast, inexpensive movement of cattle and feed," he pointed out. "Because different production sectors are optimized in different geographic locations, the U.S. beef industry tends to involve several owners in several different loca-



K-State's Dr. Bob Larson gave a brief overview of the beef industry to kick off the Beef Sustainability Knowledge Summit hosted by K•Coe Isom and the Beef Cattle Institute. Also on this panel were, from left: Tim Hardman of the World Wildlife Fund, Dr. Trent Fox, Veterinary Research and Consulting Services and Christy Goldhawk, Elanco.

tion over time for each beef producing animal." From an animal health perspective, the U.S. system is challenged by a high frequency of co-mingling cattle from multiple sources and transporting cattle sometimes long distances between production segments.

Fox works for about 34 cattle feeding facilities, with safety, health and welfare opportunities and empowering the people as his emphasis. A great deal of his time is spent in data analysis, looking at treatment records, seeing how the treatments are performing in different scenarios and looking for opportunities to maximize health. He explained his focus of empowering people, something he is very passionate about. "Our labor force is dwindling," he said, adding that many employees today haven't had the years of experience that used to be common at the facilities. "I try to make them understand why their job is so important, even the guy cleaning out the waterers," Fox said.

Representing the World Wildlife Fund, Hardman explained that his role as the beef director for the organization is to drive sustainable food systems that both conserve nature and feed humanity. With a global population predicted to reach nine billion by 2050, the demand for food will double, presenting the challenge of producing more food for more people without putting more pressure on nature.

"It's not always easy for conservation organizations to sit down and have a conversation with producers and others," Hardman conceded. "But about 80% of what we hold dear to us as a conser-

vation organization, cattlemen also value." He acknowledged the important role grazing plays in preserving the wide open spaces that are important for wildlife habitat. "Ultimately we want to protect and preserve the grasslands in the U.S. and around the world," he said. "Sustainability is about continuous improvement."

The panel was asked about the role transportation plays in animal health. According to Larson, geography plays a big role. For instance, in the southeast part of the country, there is a great deal of grass, but relatively smaller pastures. A large percentage of the U.S. herd is from that region, where individual herds themselves are smaller, which creates problems in terms of transportation. They don't have corn, so feed prices would be high, and each producer won't have a truckload, making co-mingling the only option. "He sells them before they are transported, so any problem they might have is the next guy's problem, not his," Larson said.

"There's definitely a discount to cattle that come out of the southeast," Fox agreed. "Part of it is also different genetics that create a different value at the end of feeding. The longer they are transported, the more weight loss or shrink, the more stress, which affects the value and the welfare."

Goldhawk spent five years researching the transportation of cattle and believes that if the industry doesn't improve or continues to be challenged, it could be a game-changer. "Sometimes it does go very well," she pointed out. "Good han-

dles cattle producers need to do their part to reduce the usage," he said. "I will fight for our ability to treat an animal that is sick, because that is an animal welfare issue. We need to make sure we are treating the right disease with the right product at the right dose. Part of a vet's role is to identify the disease so we can get the right treatment for the best animal welfare outcome for that animal."

From Elanco's standpoint, Goldhawk said the company is taking the responsibility to change the relationship the industry has with antibiotics and developed three products last year that are either an alternative to antibiotics or are for animal use only. "It's not going to be one single solution," she said. "We will need multiple parts working together."

"As an industry we always need to be looking for

duction around the world isn't the same, in relationship to the environmental footprint," he said. Rice is a big promoter of no-till farming, but concedes there are areas where it doesn't work. "It really is about finding the practices that meet the right soils, climate and crop as well as the economic considerations of the producer," he explained. "It isn't one-size-fits-all. The problem is we have a society now where there's a lot of disconnect between the ag community and non-ag."

Tapped to oversee the crops portion of their large diversified family operation, Tiffany quipped it was purely because he once had a garden. He began planting cover crops in 2010 after attending a field day, seeing it primarily as another layer of service they could add for their customers, as well as for preventing soil erosion. He em-



Shawn Tiffany of Tiffany Cattle Company explains their cover crop program as part of the panel addressing Grazing and Grain Feedstock Challenges And Solutions. Also on the panel were Rod Manes of the Nature Conservancy and K-State's Dr. Chuck Rice.

Photos by Donna Sullivan

dling, clean trucks, good people, all help it go well." She believes that empowering people is the cornerstone for what you can do right with transportation. "Capitalize on good truckers, good truck design and managing co-mingling. Cattle are amazing animals and will cope if you treat them right and prepare them ahead of time."

The panel was asked about one of the most prevalent issues in the industry today, the use of antimicrobials. Fox believes the Veterinary Feed Directive, or VFD, can be positive for the industry, as it will provide more veterinary oversight to the animals. All growth promotion claims will be removed from antimicrobial labels and feed mills will have to have an authorization from a veterinarian to add them to feeds for the treatment of disease. "Vets and

alternatives as part of the journey," Hardman stated. "I find it hard to understand how people who are not part of the industry can think that not treating sick animals is a good path forward. We need to work on educating some of the groups that are after us on the unintended consequences of some of these actions."

The next panel took the stage to address Grazing And Grain Feedstock Challenges And Solutions. Dr. Chuck Rice of KSU, Shawn Tiffany of Tiffany Cattle Company and Rod Manes of the Nature Conservancy examined how the three pillars of sustainability applied to feedstock issues.

Dr. Rice's recent research has focused on global climate change in agricultural and grassland ecosystems, including work in Brazil and Argentina. "Livestock pro-

duces no-till farming practices and also uses the manure from the feedyard as fertilizer, selling the excess to his neighbors. "Our soils are shallow and we're susceptible to drought," he said. "Cover crops and manure application greatly increase our soil's water-holding ability." The practice also allows him to be more productive with the same amount of fertilizer. "Every time we've planted a cover crop, we've seen a yield boost in the next cash crop."

"I've kept a lot of data and can show the economic advantages to the producers," he said, describing how the cover crops act as a community. "Soil's going to grow something, so my philosophy is, let's make it grow something we want it to grow so we can get some economic benefit out of it."

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Unspoken values

By John Schlageck,
Kansas Farm Bureau

Think of farmers and ranchers and this old, often forgotten tribute comes to mind. It fits farmers like seed in the soil or ranchers like a newborn calf takes to its mother's udder.

A man's greatest possession is his dignity and no calling bestows this more abundantly than farming. Hard work and honest sweat are the building blocks of a person's character.

I've often heard friends,

neighbors and family – my dad for one – quote bits and pieces of it. I've heard others refer to it at meetings, in church, at a sale barn, funerals and many other places where rural people live, work and congregate. It exemplifies the farm and ranch vocation.

Farming and ranching, despite its hardships and disappointments, is the most honest and honorable way a man or woman can spend days on this earth. The vocation of agriculture nurtures the close family ties that make life rich in

ways money can't buy.

Children who are raised on a farm or ranch earn values that last a lifetime. Farming and ranching provides education for life and no other occupation teaches so much about birth, growth and maturity in such a variety of ways.

Without question, many of the best things in life are free – the splendor of a sunrise, the rapture of wide open spaces, the exhilarating sight of the landscape greening each spring – true happiness comes from watching crops ripen in the

field, watching children grow tall in the sun, seeing your whole family feel the pride that springs from their shared experience living, working and harvesting from the land.

Farmers and ranchers believe that through their shared vocation they are giving more to the world than they are taking from it – an honor and privilege that does not come to all men or women. Agricultural producers believe their lives will be measured ultimately by what they have done for their fellow men

and women and by this standard, fear no judgment.

They believe when they grow old and sum up their days, they will stand tall and feel pride in the life they've lived. Farmers and ranchers believe in their vocation because it makes all of this possible.

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.

Research shows tightening fiscal farm conditions

A new joint study by the Kansas State University Department of Agricultural Economics and the University of Georgia shows lenders from across the na-

tion are expecting the financial outlook for farmers to tighten in the upcoming seasons.

The 2016 Spring Ag Lender Survey shows the

current financial conditions are taking a downturn due to an expected increase in nonperforming loans and land devaluations that are causing land leasing issues.

Lower commodity prices have had an immediate effect on producers, but there may be more trouble ahead as leveraged farmers are feeling the pressure from lower grain and livestock prices.

Christine Wilson, K-State

agricultural economics professor, said, "The survey shows lenders are observing the tightening fiscal conditions, and expected falls in land values as a key indicator in an expected increase in nonperforming loans."

"With these crop prices,

expect a significant gut check by the producers," said a survey participant, adding that farmers are facing a significant challenge.

The survey points to lenders seeing a need for increasing risk premiums for agricultural lending. From the fall season of 2015 to the spring of 2016, lenders noted that the number of nonperforming loans rose for total farm loans. Lenders are expecting the number of nonperforming loans to continue to rise, particularly for the corn and soybeans, wheat, and beef sub-sectors.

Demand for farm operating loans remains high as liquidity and cash flows are problematic for many producers, according to the study. Lenders report elevated cash rental rates and a slow adjustment to the lower commodity prices seen in today's market.

K-State's Department of Agricultural Economics conducts the Ag Lender Survey semi-annually to capture short- and long-term assessments for the future of the agricultural credit environment.

More information is available at www.ageconomics.k-state.edu/research/ag-lender-survey/index.html.



This past week Jennifer and I went car shopping. Right off I will tell you that I find very few things in this world more painful than car shopping. I hate the process, I hate the whole negotiation part but I would guess the whole root of the problem is that I hate changes to my routine. Because of my intense dislike for the car shopping process I had practiced my passive aggressive tendencies and put Jennifer off for too long. Car shopping is a little like going to the dentist; if you put it off for too long it is even more painful.

One thing I can say is thank goodness for the internet (that is not something I say every day). We could at least narrow down our search; know what a reasonable price for the new car and for our trade-in was, and all from the comfort of our own home. This technological breakthrough eliminated the whole rigma-role of pulling onto the lot, looking at a car while the sharks circled. Okay, before I get hate mail from car salesmen out there, I know you have a job to do and it is not a job I would want. Just remember, I am tight, I hate change and I don't make decisions very quickly.

So after an exhaustive internet search, Jennifer and I found a car that fit all of our criteria and was close to our price range. I made an internet inquiry and got a response back from a very nice salesperson. At least technology had eliminated one of my dislikes about car shopping; I now knew which shark was assigned to me. We made an appointment to look at the car.

The day of the appointment came and we showed up at the lot. An extensive test drive and inspection followed and we were assured that the car was just what we were looking for. This started the negotiation phase. I really wish this could be made easier and less painful. Oh, I know there are people who just love this part. That is not me. Just tell me what you have to have out of your car, what you are willing to give me for my car and either it will work or it won't. That would be my idea of less-painful car shopping.

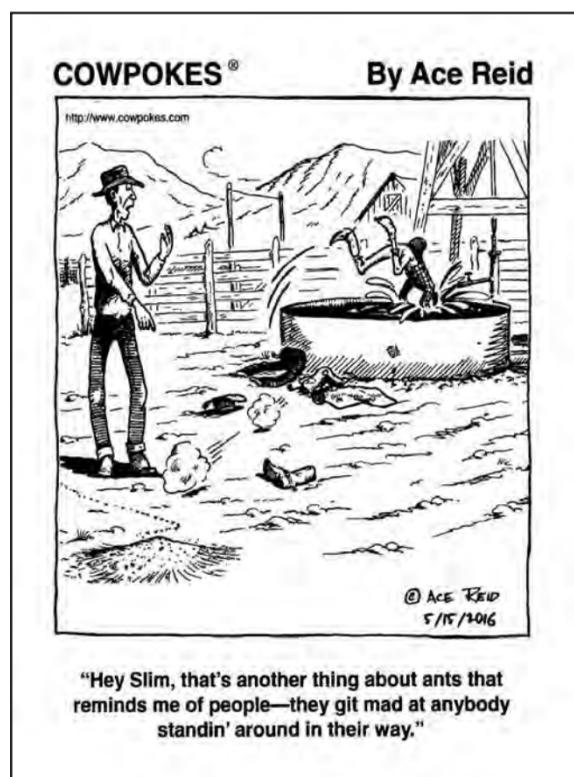
So after much discussion and negotiation we arrived on a price in

our range that was acceptable to the sales manager. I guess I did forget to mention one detail about the day. A severe thunderstorm was moving in, both kids were at different functions, chores were not done and we were going to have to drive back through the storm. I was nervous anyway and this added to it, time waiting was spent checking the radar on my phone.

Soon after we agreed on the deal and shook hands, I got a call back from the kids. Isaac was at work and Tatum had made it back home and had chores done. Well, at least that worry was off of my mind. That left me time to think about things like, we just shook hands on this deal, what if the car gets hailed on before we sign papers? With the terms agreed upon, we were ushered into the business manager's office to sign our lives away.

I am amazed at the amount of paperwork and signatures that go into buying a vehicle. It seems like a fairly simple, straightforward thing but it still requires about a tree's worth of paper. In the middle of all of this I found myself wondering just how this whole thing could be any more painful or stressful. Then my phone rang. I looked down to see the number was one of my neighbors. I excused myself and answered the call. "Do you have about 30 to 40 cows at your house?" I said I did. "Well, they were out on my meadow." Question asked, question answered. My stress level just doubled.

That is when I found out he had put them in one of his pastures that did not have cows in it and bordered my place. They were not going anywhere and should not be too hard to get back to their rightful spot. When I returned all of the paperwork was ready to be signed and in a short period of time we were done and walking out to our new car. All we had to do was take the license plate off of the old car and put it onto the new one. That took about a half an hour and would make a great story on its own. The next day we finished up all of the new car buying details, the cows were brought back home and life returned to normal. Well, at least for another couple years.



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Symposium focuses on three pillars of sustainable beef

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Manes described The Nature Conservancy, which operates the Konza along with KSU, as an organization that focuses on working with other landowners to make a difference over a larger part of the state. He said that in his thirty years in conservation work, he's learned that conservation is always about three things – ecological sciences and ecological prac-

tices, but also respect for the economy and culture of the people where they work. "We try to never take a step that's not in line with sound science or will get us crossways with the people who are trying to work with us," he said. "Communicating with people involved understanding what their issues are. If anything done in conservation will get in the way of people living their lives or

paying their bills, they will undo it."

The panel was asked to address the prevailing notion seen today that some practices are good and sustainable, while others are bad and harmful.

"You have to make the system fit your individual operation," Tiffany said. One of the things I've wrestled with is, how did one approach become what's sup-

posed to be best for all of us? I think it gets a bit arrogant to say one's horrible and one's the best, or one's the best for everybody. Don't go trashing other systems unless there scientific evidence about it."

"We can't be lazy and we can't be simplistic about it," Manes added. "We have to continue to listen to what consumers are saying and listening better than we have

in the past, so we can respond with accurate responses. We have to be transparent. Find out why they think what they think and meet them where they are and give them really good science. We can't be divisive about it. We have to be honest that there is no free lunch or no perfect meal. The only perfect way I can think of to get a perfect meal is not to get one."

Rice pointed out that the current disdain of science that is being seen isn't limited to agriculture.

Tiffany reflected on something his predecessor once told him. "He said, 'You don't have to be big, but you have to be part of something big.' Ultimately, sustainability is all about relationships, whether it's with the consumers, my customers or my suppliers."

Lesser prairie chicken range-wide plan reports successful second year

On March 31, 2016, the Western Association of Fish and Wildlife Agencies (WAFWA) submitted to the U.S. Fish and Wildlife Service (USFWS) its second annual report, detailing achievements of the Lesser Prairie Chicken Range-wide Conservation Plan (LPRCP). Highlights include the estimated 25 percent increase in the range-wide lesser prairie chicken population to just over 29,000 birds, the nearly \$51 million in fees committed by industry partners to pay for mitigation actions, and the more than 67,000 acres of habitat landowners across the range have agreed to conserve.

The range-wide plan is a collaborative effort of WAFWA and the state wildlife agencies of Texas, New Mexico, Oklahoma, Kansas and Colorado. It was developed to ensure conservation of the lesser prairie chicken with voluntary cooperation from landowners and industry. This plan allows agriculture producers and industry to continue operations while reducing impacts to the bird and its grassland habitat.

"Conservation of the lesser prairie chicken is a long-haul proposition," said Alexa Sandoval, director of the New Mexico Department of Game and Fish and chairman of the Lesser Prairie Chicken Initiative (LCPI) Council. "We're encouraged that after just two years of implementation, we have so many positive indi-

cators that the range-wide plan is working. We commend all of our partners for their commitment to conservation of this iconic grassland species."

The plan was endorsed by the USFWS, and as part of the conservation agreement, the states agreed to report progress annually. The findings for 2015 are summarized below.

Lesser Prairie Chicken Population Up

The 2015 range-wide aerial survey documented a 25 percent increase in the lesser prairie chicken population to an estimated total of 29,162 birds. This increase is attributed to an abundance of rainfall in spring 2015, along with ongoing range-wide plan conservation initiatives. Aerial surveys for 2016 are under way and will run through mid-May. Results are anticipated in early July.

Land Conservation Efforts Increasing

Substantial progress was made on private land conservation across the lesser prairie chicken's range. Eight landowner contracts were finalized, encompassing 67,512 acres. Conservation measures are being implemented range-wide, including habitat restoration on 8,214 of 15,911 prescribed acres. And a total of \$1,821,737 was paid to landowners managing their lands to generate credits for lesser prairie chicken conservation. In addition, WAFWA acquired title to a 1,604-acre tract of native

rangeland in west Texas, near the Yoakum Dunes Wildlife Management Area last June.

Technology Enhances Conservation Decision Making

Scientists are using the latest technology to designate where and how conservation actions should be implemented for the greatest benefit. The Southern Great Plains Crucial Habitat Assessment Tool enhances the existing Crucial Habitat Assessment Tool (CHAT) program administered by WAFWA. It identifies focal areas and connectivity zones where lesser prairie chicken conservation actions will be emphasized. A project estimator tool unique to CHAT was designed to encourage companies to implement more effective pre-planning development efforts and it worked. These enhancements have resulted in 5,066 instances of access to CHAT, with an average of 145 users per week.

Cooperative Efforts Enhancing Conservation

Working with conservation partners, programs and cooperative efforts are expanding voluntary landowner incentives and practices to benefit the birds. For example, the Natural Resource Conservation Service has incorporated CHAT elements into the ranking criteria for projects being considered under the Lesser Prairie Chicken Initiative. Using CHAT, prescribed grazing practices

were applied on 179,805 acres through the Lesser Prairie Chicken Initiative in 2015. These combined efforts have resulted in nearly 250,000 acres being conserved for the benefit of the lesser prairie chicken.

Mitigation Efforts Positively Impact Development Decisions

One of the major components of the range-wide plan involves working with industry to avoid and minimize impacts of development activities. The WAFWA mitigation framework can be used by any entity. In 2015, there were several industries participating, including oil and gas, pipeline, electric, wind energy and telecommunications. During this past year, 177 companies enrolled in WAFWA conservation agreements. WAFWA collected \$11,843,403 in fees in 2015, bringing the program total to \$50,800,884, which will offset unavoidable impacts at off-site mitigation locations.

In 2015, 409 project agreements were authorized, assessing development costs tied to the quality of habitat being impacted. After two years of implementation, a review of all the projects assessed shows that the mean cost was \$11,936 per project, varying by ecoregion. WAFWA has documented that these mitigation costs are positively impacting development decisions and participants are actively selecting areas with low quality habitat.

Listening and Learning Informs All Conservation Decisions

Successful collaborative efforts require vigilance and commitment to considering all input. Through the Lesser Prairie Chicken Advisory Committee, WAFWA has been receptive to input from all stakeholders, including industry, non-governmental organizations, state and federal agencies, landowners and the general public. The LPCI Council

has developed an adaptive management framework incorporating monitoring and new information to make adjustments as needed, maximizing conservation benefits to the lesser prairie-chicken.

Full details are available in the WAFWA annual report at www.wafwa.org

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This Week's G&G Recipe Winner is Michelle Brokes of Wilson

Winner Michelle Brokes, Wilson:
FREEZER BURRITOS

- 2 pounds ground beef
- 1/2 cup chopped onion
- 2 cups salsa
- 3 tablespoons taco seasoning
- (3) 15-ounce cans pinto beans, rinsed & drained
- 3/4 cup water
- 3 cups shredded Cheddar cheese
- 12-15 flour tortillas

In a large skillet, cook beef and onion over medium heat; drain. Stir in salsa and taco seasoning. Bring to a boil. Reduce heat; simmer uncovered for 2-3 minutes. In a food processor, combine pinto beans and water. Cover and process until smooth. Add to beef mixture. Stir in cheese. Spoon 1/2 cup beef mixture down center of each tortilla. Fold ends over filling; roll up. Wrap each burrito in waxed paper and foil. Freeze for up to 1 month.

To use: Remove foil and waxed paper. Place one burrito on a microwave-safe plate. Microwave on high for 2 to 2 1/2 minutes, turning once.

- ****
- Lisa Conger, Topeka:
RHUBARB BARS
- 2 cups flour
 - 1/4 cup sugar
 - 1 cup cold butter
- Filling:
- 2 cups sugar
 - 7 tablespoons flour
 - 1 cup heavy whipping cream
 - 3 large eggs, beaten
 - 5 cups finely chopped fresh or frozen rhubarb, thawed & drained
- Topping:

- 6 ounces cream cheese
 - 1/2 cup sugar
 - 1/2 teaspoon vanilla
 - 1 cup heavy cream whipped
- In a bowl combine flour and sugar; cut in butter until mixture resembles coarse crumbs. Press into greased 9-by-13-inch baking pan. Bake at 350 degrees for 10 minutes. For filling, combine sugar and flour in a bowl. Whisk in cream and eggs. Stir in rhubarb. Pour over crust.

Bake at 350 degrees for 40-45 minutes or until custard is set. Cool. For topping beat cream cheese, sugar and vanilla until smooth, fold in whipped cream. Spread over top. Cover and chill. Cut into bars. Store in refrigerator.

Louetta Erwin, Emporia:
 "Very good on crackers. If you want a hotter jelly, don't seed half of the peppers."
HOT PEPPER

- CRANBERRY JELLY**
- 2 cups cranberry juice
 - 1 cup cranberries (fresh or frozen)
 - 1 cup seeded chopped jalapeno peppers
 - 1 cup white vinegar
 - 7 cups sugar
 - 2 pouches (3 ounces each) liquid fruit pectin
 - 10 drops red food coloring, optional

Place cranberry juice, cranberries and jalapenos in a blender; cover and process until peppers are fully chopped. Strain through a double thickness of cheesecloth. Pour the strained juice into a Dutch oven; add vinegar. Stir in sugar. Bring to a full rolling boil, stirring constantly. Stir in pectin; return to a full rolling boil. Boil for 1 minute, stirring constantly. Remove from the heat; skim off foam. Add food coloring if desired. Carefully ladle hot mixture into hot sterilized half-pint jars, leaving 1/4-inch headspace. Wipe rims and adjust lids. Process for 5 minutes in a boiling-water canner. Yield: 8 half-pints.

Kellee George, Lawrence:
NO-BAKE PINEAPPLE

CHEESE BAKE

20-ounce can crushed pineapple in juice, undrained
 1 package gelatin vanilla flavor instant pudding
 1 tub Cool Whip, divided
 (2) 8-ounce packages cream cheese
 1/3 cup sugar
 10 ounces angel food cake, cut into 1-inch cubes

Whisk pineapple and dry pudding mix in bowl until blended. Stir in 1 cup Cool Whip. Mix cream cheese and sugar in large bowl until blended. Gently stir in remaining Cool Whip. Place half the cake cubes in 9-inch pan. Top with layers of cream cheese mixture and remaining cake cubes. Cover with pineapple mixture. Refrigerate at least 4 hours.

Millie Conger, Tecumseh:
SWEET CHILI DIP

- 8 ounces cream cheese
- 2 cups sweet chili sauce

Place cream cheese in serving dish. Top with chili sauce. Use your favorite crackers or tortilla chips.

Lydia J. Miller, Westphalia: "No-bake recipe."
TROPICAL TRUFFLES

- 8-ounce package cream cheese, softened
- 8-ounce can crushed pineapple, drained
- 2 1/2 cups sweetened flaked coconut

Beat cream cheese and pineapple together. Cover and refrigerate for 30 minutes. Form into 1-inch balls and roll in coconut. Refrigerate until ready to serve. Makes 2 dozen.

Meat And Poultry In A Balanced

like a lot of people, you may be uncertain about how to eat right and get and stay fit, so a few facts from the expert research may be good news.

Achieving and maintaining a healthy weight, they say, isn't about short-term dietary changes. It's about a lifestyle that includes healthy eating and regular physical activity.

In addition, many nutrition experts agree that meat and poultry should be part of a balanced diet and can help satisfy hunger and control weight while delivering key nutrients people need.

Twelve Reasons To Eat Meat And Poultry

1. Protein. Naturally and completely. Protein found in meat and poultry is "complete" because it contains all the amino acids essential for health. Animal proteins are complete proteins, points out the Academy of Nutrition and Dietetics.

2. Iron rich. Meat, fish and poultry contain heme iron, which helps prevent anemia because the body absorbs this iron better than the non-heme iron found in plant foods such as vegetables. Heme iron foods, reports the National Institutes of Health, also help the body absorb nonheme iron found in plant foods.

3. Bioavailable nutrition. Nutrients in meat, including iron and zinc, are typically more easily absorbed and used by the body.

4. Muscle strength and maintenance. High-quality protein, in meat and poultry, has been shown to prevent muscle loss more effectively than other protein foods as people age.

5. Bone strength. No bones about it. According to a University of Massachusetts study, meatless diets contain lower amounts of calcium, vitamin D, vitamin B12, protein, and omega-3 fatty acids, all of which play important roles in maintain-

ing bone health.

6. Brain function. Animal products such as meat are the only natural sources of vitamin B12. This nutrient promotes brain development in children, according to a Food and Nutrition Bulletin, and, adds the Institute of Medicine's Food and Nutrition Board, helps the nervous system function properly.

7. Heart health. Australian research published in The American Society for Clinical Nutrition shows that lean meat protein could help maintain healthy cardiovascular function.

8. Blood sugar control. An article in the American Journal of Clinical Nutrition suggests a high-protein, low-carbohydrate diet, which could include lean meat and poultry, can help to control blood sugars.

9. Zinc immunity. Researchers also found that zinc helps maintain optimal immune function and promotes wound healing. Beef is the top dietary source of zinc.

10. Selenium rich. A serving of beef or lamb delivers about half your daily selenium needs. Selenium is an antioxidant that helps prevent cell damage, promotes proper thyroid function and may contribute to cancer prevention, reports the Journal of the American College of Nutrition.

11. Weight management. Studies in the New England Journal of Medicine and The American Journal of Clinical Nutrition say high-protein diets that include lean meat and poultry have been shown to promote long-term weight loss better than other diets.

12. Tastes good. No scientific papers proving this are available. You'll have to do the research yourself.

Learn More

For more facts, tips and recipes, visit the North American Meat Institute at www.meatpoultrynutrition.org.

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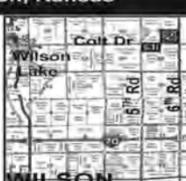
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Peanuts, Peanut Butter May Hold Key To Preventing Obesity

(NAPS) — Here's good news about tasty treats: Adolescents at high risk for obesity significantly reduced their Body Mass Index (BMI) by substituting peanuts and peanut butter for unhealthy snacks according to a new USDA-funded study.

"Obesity is the most pressing public health issue facing us today," said Dr. Craig Johnston, principal investigator at the University of Houston. "We'd like to think it's preventable but until now there haven't been many studies showing large scale effective measures."

Instructors guided over 250 adolescents through a program of physical activity and nutrition education. About half the students received an after school snack of peanuts or peanut butter about four times a week, while the rest had peanuts less than once a week.

"We have a lot of kids skipping meals for a lot of reasons," Dr. Johnston said. "What we found is that kids get home from school around 4 p.m. There's less supervision by parents and less structure. Kids are sitting down at the TV and eating, eating," he added.

On average, American children consume between two and three snacks a day, a quarter of their daily energy intake. Data has shown that some children are actually eating snacks up to ten times a day.

Peanuts and peanut butter were chosen as snacks because they are very high in protein — more than any other nut, in fact. The protein promotes the feeling of fullness and cuts the number of snacks needed. Peanuts also have a very concentrated number of important nutrients.

Following the 12-week study, students spent another 12 weeks maintaining the healthy snacking habit. At the end, those students who ate the snack more regularly experienced a decrease in their overall BMI compared to those who did not.

The new nutrition standards for USDA's Smart Snacks in School highlight peanuts as one of the healthiest snacks with zero empty calories. The standards apply to all snacks sold during the school day in cafeterias, vending machines, school stores and snack carts. You can read more about Smart Snacks in School at www.fns.usda.gov/healthier-school-day.

Researchers at University of Houston, Baylor College of Medicine and Texas Woman's University conducted the study. Their findings are published in the Journal of Applied Research on Children.

Learn More

For recipes and further facts about the nutritional benefits of peanuts and healthy snacking, visit www.peanutpower.org or www.peanut-institute.org.



Just keep honking

By Lou Ann Thomas

There are some things I'm grateful I learned when I was young. Driving is one of them. Now, being much more aware of the risks involved in maneuvering a large, fast-moving machine among other large, fast-moving machines, often with their drivers doing something else entirely, I'm not sure I'd have the courage for it.

I learned to drive when I was in single digits by sitting on my Dad's lap and steering, which wasn't real driving, but I was excited to be at the wheel. And like most farm kids I also learned to drive a tractor in the fields when very young. Mostly I just drove around in circles, but I felt mighty powerful doing it.

At 14 I received my learn-

er's permit and could drive with an adult, on a farm errand and to and from school. I had it made! I was mobile and fearless and, no doubt, more than a little reckless.

In fact, I remember driving home from the exam with my mother sitting next to me, her knuckles white, while she quietly prayed under her breath as I followed a little too closely, drove a little too near the inside line on the highway and traveled a tad too fast. My mother was either too kind or too frightened to say anything. Maybe she thought talking would distract me from what little attention I was paying to the road in comparison to my reflection in the rear-view mirror.

My grandmother never learned to drive. It wasn't because Grandma was

afraid to learn, but often those who attempted to teach her did have the fear of a Supreme Being scared into them.

My grandmother drove more people to religion than the church school bus because she loved speed and believed the best driving tactic was laying on the horn and everyone else looking out for her. She figured if everyone else was driving defensively, then the road less traveled was one with a more aggressive approach. Many of her instructors shared the experience of speeding through intersections with Grandma laying on the horn. When each had re-gathered their faculties enough to point out she had just sailed through a stop sign, Grandma would respond, "I saw it! Didn't you hear me honk?"

To this day, whenever I hear a horn honk, I smile, knowing in many ways

Grandma is still my co-pilot and that sometimes when you're facing new challenges the best thing you can do is lower your head in determination, keep your foot on the gas and lay on the horn.

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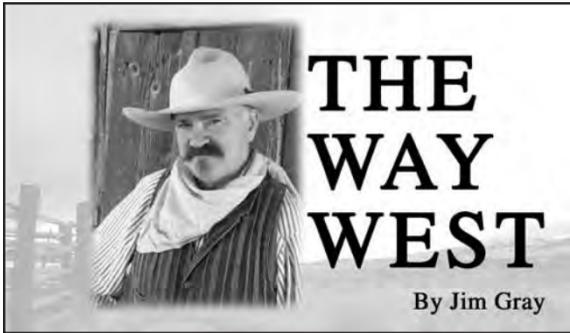
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THE WAY WEST

By Jim Gray

The Cry of Freedom

The conflict from which Kansas was born produced many personalities that have long since faded from our public consciousness. Yet, those personalities were the raw material from which the state of Kansas was shaped. Lane, Jennison, Brown... John Brown; those are the names that are remembered if any are re-

membered at all. They were Free State men fighting against slavery, fighting to make Kansas free! Their memory has been preserved in our histories.

As for the other side, their names are less familiar. Sometimes you are just on the wrong side of history. But without their story the fight for freedom loses

depth and the potency of understanding.

One such character of the times was Burrell B. Taylor. His reputation carried his name all the way from the Kansas border to the *New York Times*. According to the *Times*, Taylor originally hailed from Ohio and fashioned himself as a "Free Soil" politician, meaning that he believed that free men on free soil was morally and economically superior to a system based on slavery.

A marriage to a Kentucky woman resulted in a dramatic change in his political and moral beliefs. Along with the marriage came the ownership of "some slaves - - and ever since (Taylor) has been notorious as a most blatant and pestilent advocate of Slavery."

Taylor joined the Leavenworth Bar on December 12, 1855, but found his strength in the written word. For a time, he published the *Leavenworth Herald*. Biographer H. Miles Moore wrote, "As an editor he was an able, clear and forcible writer and at times a little imprudent and outspoken...As a man and a politician he was lordly, ostentatious, pompous and dictatorial..." The "boys" around Leavenworth mockingly referred to him as

"Buffalo Bull Taylor."

The correspondent for the *Times* described Taylor as an extremist, closely associated with the Knights of the Golden Circle, a secret society formed in 1854. The fundamental aim of the organization was the formation of a slaveholding empire reaching from the southern United States, the West Indies, well into Central America. Havana, Cuba, was envisioned as the central seat of government for the "Golden Circle" of participating states.

For a time Southern sympathies had subsided with the admission of Kansas to the Union. But as the *Times* noted, "the Knights of the Golden Circle had revived their old organizations in town and county." An estimated sixty members could be found in Leavenworth City with approximately three hundred across the county. "They are composed principally of the old Border Ruffian element, with which we have always been pestered."

With the opening of Civil War in 1861, Taylor temporarily left town with other Southern sympathizers. On his return he boldly resurrected his inflammatory rhetoric. In response to criticism from a competing editor Taylor boldly an-

nounced, "We assure him that Democracy... is growing very rapidly down this way and is spreading out with extraordinary vigor... Subscribers by the score rush to us; job work is rushing upon us; money is rushing into our pockets; our 'experiment' is succeeding with a rush, and we mean to go it with a rush, and rush the Abolition party to that bourne (destination) whence no traveler returns."

Taylor pushed too far when he organized a Democracy meeting for Saturday, February 7, 1863. Union men were not about to allow such a gathering to proceed without a challenge. Leading Free State representatives Colonel Charles Jennison, Captain George Hoyt, and Colonel D. R. Anthony led one hundred fifty armed men to the evening meeting at the court house. When it was announced that Democracy was "the only Union Party of the nation," Jennison interrupted, saying that he was there to suppress disloyalty. Following a heated debate, the meeting broke up.

But the Union men were not done. D.R. Anthony swore that organizers of the Saturday meeting were disloyal and should be pun-

ished, and that the punishment of a traitor should be death! Over the next few days crowds roamed the streets and random shots were fired. A crowd gathered in front of Taylor's newspaper office singing *John Brown* with special variations aimed at Taylor.

"Col. Anthony came up and persuaded them to retire." Later that evening a volley of shots narrowly missed Anthony. "Anthony, utterly fearless, fired three shots from his revolver at the ruffians, at the same time advancing into the middle of the road, and challenging the villains to come out and fight him fair."

The next morning the office of the *Inquirer* was ransacked. The type and presses were thrown in the Missouri River. Without protest, Burrell B. Taylor left town to return to his old Kentucky home, having obviously met more than his match where the cry of freedom reigned on The Way West.

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

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Collaboration helps growers increase wheat yields

By Marsha Boswell

The Kansas State University wheat breeding program and BASF Corporation have a common goal to help growers get the most out of every acre. A collaboration that began in 2013 is helping both groups meet that goal, and Kansas wheat farmers are reaping the benefits.

Traditional wheat breeding has been focused on disease tolerance with yield as a secondary goal. Some excellent yielding varieties may be overlooked due to their simple weakness to foliar disease that can be managed with a fungicide. Competitors are able to pro-

vide a holistic management strategy by actively bundling their genetics with crop protection tools.

By including a BASF fungicide as part of its breeding program, KSU and Wildcat Genetics are able to compete with their own unique holistic program that increases profitability for Kansas wheat farmers.

KSU wheat breeder Allan Fritz recognizes the tangible benefits of this collaboration with BASF.

"Selection of breeding material under more intensive management allows the breeding program to retain high yielding material that might otherwise be discarded due to disease suscepti-

bility," said Fritz. "Another benefit is that paired plot trials allow an accurate comparison of variety performance under treated and untreated conditions. This information is passed on to producers, so they can have a more accurate assessment of how a given variety will perform under different management strategies."

Fritz's goal with the collaboration was to address grower requests to shift his breeding focus from disease tolerance to yield potential under high management systems that included planned fungicide treatments. By including a fungicide into his breeding program Fritz could also sal-

vage high yielding lines whose single gene disease resistance had been lost due to pathogen mutation.

Chad Asmus, technical service representative, basf corporation agrees.

"Disease resistance has traditionally been one of the major factors in the selection and breeding of new wheat varieties. Once a disease mutates to overcome the genetic resistance, however, that breeding line was often abandoned, potentially losing exceptional yield along with it," said Asmus. "Managing fungal diseases on high yielding varieties with an effective multiple mode-of-action fungicide can result in greater net profit for growers. In 2013 KSU and BASF began working together to turn such a vision into reality."

Wheat varieties developed by the KSU wheat breeding program are marketed through the Kansas Wheat Alliance, a not-for-profit organization that was founded in 2007 with the goal of maximizing value for wheat farmers from new wheat varieties developed by Kansas State University and other wheat-breeding programs. Daryl Strouts, president of the Kansas Wheat Alliance, wants farmers to have access to new varieties that will do well under best management practices.

"This collaboration is important because it will allow new, high performing wheat varieties to be released to farmers who understand how to manage them," said Strouts. "And we have confidence in their performance when using BASF fungicides."

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AROUND KANSAS



Roads evolve. They go from animal paths to Indian paths to wagon roads to paved roads to super highways. A special thanks to Dave DeArmond for introducing us to the Kansas section of the Midland Trail. His book, *Sketching the 1916 Midland Trail Across Kansas: As I Found It A Century Later*, details the history of this route accompanied by his water color images along the road today. We thank Dave for sharing the story with us:

In May, 1913, the *New York Times* reported that a motorist acting for the American Automobile Association was searching for transcontinental routes. Mr. A.L. Westgard, Pathfinder for the AAA had already set out several routes including one which ran through Kansas called the Midland Trail.

According to a map in the *New York Times*, Westgard's original route for the Midland Trail ran near the path of today's I-70.

A 1915 article in *Motor* magazine described the Midland Trail as an extension of the National Old Trails Highway, crossing Kansas on good dirt road, marked with yellow bands. He said it passed through Kansas City, Topeka, Ellis, Oakley, and on to Colorado.

The route was still not firmly established and a 1914 tour book described the route roughly along today's Highway 24. In the mid-1920s the road was somewhat re-aligned and called the National Roosevelt Midland Trail.

In towns the Midland Trail was sometimes marked. The National Midland Trail Association specified utility poles to be marked with two six-inch bands of orange with a six-inch band of black between; however in Kansas the guide only mentions red stripes on "marked poles."

What were the roads like? Paved only in larger or more prosperous towns, and then with cut stones or bricks. Largely dirt roads. At times impassable? Yes.

You can find Dave's artistic guide book in the Kansas Originals Stores. As Dave says, time to hit the road!

The trial of the 19th century began on May 9, 1865.

Abraham Lincoln had been assassinated not even a month before. To the disappointment of the Secretary of War, Edwin Stanton, the guilty party, John Wilkes Booth, had been killed rather than captured. But he was only the tip on the conspiracy. There were others responsible in the plot to overthrow the government.

President Andrew Johnson ordered a trial by military commission, as the assassination conspiracy was deemed an act of war. For several weeks, prosecutors revealed the case against the conspirators. Because the defense attorneys were never allowed to meet with their clients, their arguments were weak and easily refuted. The commission began deliberation on June 29. Nearly a week later, they declared all eight defendants guilty. Some, like Dr. Mudd, received prison terms. Lewis Powell, David Herold, George Atzerodt, and Mary Surratt were sen-

tenced to hang.

Workmen quickly erected a scaffold on the lawn of the Old Arsenal Penitentiary. From their cells, the condemned could hear its construction and the slam of the traps as they were tested. At 1:15 on July 7, the four were lead to the gallows, their hands and feet tied, heads covered with hoods, and necks fitted with nooses. Minutes later, they were dead. Despite a desperate last-minute plea to spare her life, Mary Surratt became the first woman executed for a crime in the United States.

In 1885, the secretary of the Kansas Historical Society learned that the scaffold was stored at the Old Arsenal in Washington, D.C. He wrote to the Quartermaster's office to request a piece of it for the collection. The lieutenant who received the letter was happy to comply, as he had spent time as a soldier at Fort Leavenworth and considered himself a Kansan. He sent this fragment. It has been part of the Society's collection since 1885.

Through enlarging photographs and comparing the fragment, it was determined that this fragment held the rope upon which Mary Surratt was hanged.

Deb Goodrich is the cohost of Around Kansas TV show, the Wednesday feature of AGam in Kansas. Contact her at author.debgoodrich@gmail.com.

Bennington Rodeo to be held June 2,3, & 4

Professional rodeo, musical entertainment, great barbeque, and award-winning specialty acts all come together at the 41st anniversary of the Bennington PRCA Rodeo June 2, 3 & 4. The barbeque will begin each evening at 6:00 p.m. followed by a music show at 6:30 p.m. and the rodeo competition at 8:00 p.m.

Jim Crowther of the New Frontier Rodeo Company will again provide the rodeo livestock.

This year's musical entertainment will be Jake Gill, a high-energy country band. Jake grew up in Kansas, but now is headquartered in Nashville, Tennessee. He has performed with Jake Owen, Easton Corbin, Chris Cagle and Jason Aldean. Jake and the band will kick off each evening activities at 6:30 p.m.

There will be special performances each night by Keith Isley. Keith is a renowned PRCA Rodeo entertainer, who has performed at every major rodeo in the United States including the National Finals Rodeo in Las Vegas, Nevada and the RAM National Circuit Finals Rodeo in Kissimmee, Florida.

Troy Goodridge will return to announce the rodeo along with Steve Kenyon, host of Western Sports Roundup, who can be heard daily on satellite radio and ProRodeoLive.com.

The rodeo again will feature the standard rodeo events, plus mutton bustin' each night. The mutton bustin' has limited entries

and must be entered the night of the rodeo at the rodeo grounds.

The slack (excess entries that could not be run during the rodeo performances) will be held Thursday night after the rodeo.

Last year over 350 contestants from 21 states from the Professional Rodeo Cowboys Association and Women's Professional Rodeo Association entered the rodeo. The rodeo paid out over \$50,000 in prize money and awards.

Downtown activities will get under way Saturday morning, June 4. Activities will include vendor booths and games for kids of all ages. The annual rodeo parade will begin at 4:30. All entries are welcome. Prizes will be awarded for youth, adult and horse entries. Lineup for the parade will be on North Nelson Street near the fire station.

Advance tickets are available to the rodeo in Minneapolis at Farmway Co-op and the Bennington

State Bank for \$10 for adults and \$2 for children. In Bennington tickets can be purchased from the Bennington State Bank, any Bennington Lions Club member or Westside Ventures. The barbeque meal can be purchased on the rodeo

grounds nightly.

The Bennington Lions Club PRCA Rodeo is the major fundraising activity of the Bennington Lions Club, Inc. Proceeds from the rodeo are used to support the civic activities in Bennington.

Humane Society of U.S. announces Agricultural Advisory Group

The Humane Society of the United States (HSUS) announced recently during a press conference at the Nebraska State Capitol that it would be launching a National Agriculture Advisory Group with participants representing 11 areas, including Colorado, Indiana, Iowa, Michigan, Missouri, Nebraska, North Carolina, Ohio, Oklahoma, Pacific Northwest and Wisconsin. HSUS says the intent of this group is to support "farmers and ranchers who give proper care to their animals and promote environmentally sustainable agriculture."

"(HSUS) has made it clear that they do not want animals raised for food and they have invested significant resources in efforts to end animal agriculture," said NCBA president Tracy Brunner. "It's puzzling to most cattlemen and women that a handful of livestock producers have chosen to join them."

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Winter canola to be featured at K-State field days May 24, 25

The latest research and production information on winter canola will be featured at a series of K-State Research and Extension field days on May 24 and 25.

The field days will give producers several opportunities to see winter canola research plots and producer fields, said Mike Stamm, Kansas State University canola breeder. Current research being conducted at the university's South Central Experiment Field near Hutchinson, as well as canola production fields near Concordia, Haven and Andale are on the schedule. Harvest management is one

of the main topics.

"With harvest season fast approaching, harvest management is critical for any crop, especially canola," said Stamm. "We will talk about how to appropriately stage canola for swathing, desiccating and direct cutting at each location."

The schedule for the field days includes:

May 24 - First up is K-State's South Central Kansas Experiment Field Spring Field Day on Tuesday, May 24. The program begins at 5 p.m. at the field headquarters, 10620 S. Dean Road, Hutchinson. Canola topics include harvest man-

agement, a seeding-rate-by-variety-by-row-spacing study and a variety demonstration plot. Ten commercial canola varieties from five seed suppliers will be on display.

On Wednesday, May 25, K-State Research and Extension will partner with Rubisco Seeds to highlight three canola producers in Kansas. "The producers we will visit are growing hybrid

canola," Stamm said. "We will be discussing advanced production practices and how those practices have helped make these canola growers successful." Refreshments will be provided by Rubisco Seeds.

The first stop will be at 10 a.m. south of Concordia. From the US-81 and Oat Road junction, drive 4.5 miles east to 200th Road. This field was drilled on 7.5-

inch row spacings following double-cropped wheat.

The second stop will be at 2 p.m. east of Hutchinson. From the intersection of US-50 and K61 highways, go 5 miles east on US-50. The field is located at the intersection of US-50 and Kent Road. A second canola field planted after corn and under irrigation will also be included on this stop.

The third stop will be at 5

p.m. in Sedgwick County. From Andale, drive 3 miles west on W. 61st St. N. and 1 1/4 miles south on N. 295th St. W. In this field, the previous crop residue was burned, then canola was seeded using a no-till planter on 30-inch rows.

For more information, contact Mike Stamm at 785-532-3871 or mjstamm@ksu.edu.

Future leaders earn \$20,000 in Colvin scholarships

By Jenny Keyes

Five college students with ag careers in mind recently won \$20,000 in scholarship from the Certified Angus Beef® (CAB®) brand.

Each year, CAB's Colvin Scholarship Fund recognizes outstanding students out to make a difference in the beef community. The award series honors the legacy of Louis M. "Mick" Colvin, whose dedication to those ideals helped create the brand he led for 21 years.

2016 Colvin Scholarship Awards:

- \$6,000 - Shelby Schiefelbein, Kimball, Minn. - Texas A&M University

- \$5,000 - Sierra Jepsen, Amanda, Ohio - The Ohio State University

- \$4,000 - Rebecca Church, Hastings, Minn. - University of Minnesota-Twin Cities

- \$3,000 - Evan Woodbury, Quenemo - Kansas State University

- \$2,000 - Leah Scholz, Lancaster - Kansas State University

Applicants were asked to write an essay on the meaning of sustainability for both producers and consumers. Shelby Schiefelbein, top award winner, said millennials are especially concerned because they are technologically oriented, "and have grown up hearing about how their choices affect the environment."

The junior in animal science with a minor in business and certificate in meat science said the key for beef producers is to communicate their sustainability to consumers. "Using both science and emotion... puts a face on the beef industry." After graduation, Schiefelbein plans to earn a master's in business administration and work in agribusiness. Sierra Jepsen, senior in ag business and \$5,000 scholarship winner, said consumers need to know today's beef is raised re-

sponsibly, using as few natural resources as possible: "Between 2005 and 2011 alone, water usage was cut by 3%, greenhouse gas emissions were reduced by 2% and soil emissions were lessened by 7%, improving land, air and water quality." She noted the need to share with consumers the need to use technology, "that efficiency is not an enemy of sustainability," and to stress the multi-generational families who produce beef. Jepsen plans to pursue a master's in meat science and beef management. Hastings, Minn., junior and \$4,000 winner Rebecca Church decried myths about farmers "being irresponsible stewards of the land," when in fact they "have to be smart stewards," because their livelihood depends on it. Facts are complex, she wrote, but consumers can understand sustainability comes down to "respect for the land, for the live cattle and for the end product."

Evan Woodbury foresees challenges beef producers will face if they don't use the most sustainable practices "The population has grown slightly over the past

years," he wrote. "I believe that despite what it may seem now, it will be hard to continue to grow the herd and supply."

Leah Scholz wrote about the importance of reaching out. "The industry as a whole needs to promote education for all consumers through effective communication," she said. "We must work together with consumers to keep each other informed in order to solve the frequent disputes and maintain future sustainability."

As the top scholarship winners, Schiefelbein and Jepsen also received all-expense-paid trips to the 2016 CAB Annual Conference, Sept. 22-24 in Tucson, Ariz. There they will interact with leaders in the production, packaging, retail and foodservice areas of the beef community.

Launched in 1978 and owned by nearly 25,000 American Angus Association members, CAB is the largest brand of fresh beef in the world. Learn more about the brand at www.certifiedangusbeef.com, or access producer resources at www.cabpartners.com.

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Kansas Forest Service to host Agroforestry Field Day in Ness County

Agroforestry is the integration of trees and shrubs into farming and ranching operations to maximize conservation benefits, while simultaneously providing economic benefits for the overall operation. Windbreaks and riparian buffers are the most common agroforestry practices in Kansas. Other examples include silvopasture, the deliberate integration of trees and grazing livestock operations on the same land, and alley cropping, where crops are grown in the alleyways between widely spaced rows of woody plants.

Kansans will have the opportunity to experience agroforestry firsthand at the 2016 Agroforestry Field Day, scheduled for Thursday, May 12. The field day will be hosted on Marvin and Twylia Sekavec's 400-acre farm in Brownell, just east of Ness City.

The event will begin at 9:00 a.m., and will offer hands-on educational opportunities by natural resource professionals with wildlife, forestry and range expertise. It is also an opportunity for farmers, ranchers and landowners to share their conservation projects and successes.

Marvin and Twylia Sekavec will kick off the field day by providing an overview of their property and conservation story. Sessions on landscaping the farmstead, attracting songbirds, tree planting, renovating old windbreaks, treating tree pest problems and controlling woody invasives are just a few of the topics that will be covered.

The Sekavecs have planted more than 10,000 trees and shrubs, representing more than 30 species, over the last 20 years. The plantings have been designed as part of a holistic natural resource management system. They include windbreaks, wildlife habitat and riparian buffers of bald cypress that improve water quality, reduce wind erosion and provide energy savings.

Grassed terraces, waterways and multiple cover cropping systems all contribute to this model conservation landscape. Special shrub and vine plantings around their home attract a variety of songbirds and butterflies.

The Sekavecs' address is 25656 160 Road, in Brownell. From Ness City, it's 7.25 miles east on Route 96, 3 miles north on County Road Z, then west 0.25 mile on County Road 160.

Participants may register by mailing a check for \$7.00 made out to the Ness County Conservation District, 18635 140 Road, Ness City, KS 67560-6196, or by calling 785-798-3614. Lunch and refreshments are provided with the registration fee.

Additional information, as well as a brochure about the festival, may be found on the Kansas Forest Service website: www.kansasforests.org under "News & Events."

Central Kansas District to host wheat plot tours

K-State Research & Extension - Central Kansas District will host tours of three wheat variety plots in Saline County on Friday, May 27th. The first tour will begin at 8:30 a.m. near Solomon at the Tom, Pat, and Luke Ryan Farm, located 3 miles west of Solomon on Old Hwy 40 and 2 1/2 miles south on Gypsum Valley Rd.

The second tour will begin at 11:00 a.m. near Mentor at the plots on the Vaughn Isaacson and Sons Farm, located just south of the Old Hwy 81/Mentor Rd. intersection. A complimentary meal will be served following the tour, courtesy of Phillips Seed Farms Inc.

The third tour will begin at 1:30 p.m. near Gypsum at Karber Farms located 1

mile west of Gypsum on Hwy K-4 then 5 miles south on Kipp Rd then 1/4 mile west on Hobbs Creek Rd.

Tour speakers include K-State Research & Extension wheat specialist Romulo Lollato; agronomist Stu Duncan; plant pathologist Erick DeWolf; and District agent Tom Maxwell.

Discussion will focus on wheat variety selection, agronomic strengths and weaknesses of the varieties in the plots, wheat diseases and production practices.

For more information, contact Tom Maxwell, District Extension agent at the CKD3-Salina office at 785-309-5850. All wheat growers and other interested persons are encouraged to attend these public tours.

Your Crop Production Extension Agent

By Kim Larson, Crop Production Agent, River Valley Extension District

It's been 102 years since the Extension Service was established to be the outreach of land-grant universities, providing university research information to farmers and the public across the state. Although Extension has had a presence in our local communities for most of our lifetimes now, I've come across many that don't have a good grasp of what an Extension agent actually does. One big reason for this, I believe, is there are so many things we might do! The aspect I enjoy most about my job is the fact that my main duty is to serve farmers and the ag community. I bring knowledge and expertise from Kansas State University's agricultural research to the counties I serve.

To grasp the larger perspective and mission of Extension, it is helpful to go a little further back into our history with the establishment of the land-grant universities. As quoted off K-State's website, "Kansas State University, the nation's first land-grant university, was founded in 1863. It was created to improve the quality of life of all Kansans through on-campus classes, research and outreach beyond the campus."

The goal of land-grant universities, such as K-State, was to enable working class citizens equal access to higher education with a focus on farming and mechanical skills. The Extension Service builds on this original mission. As stated, "the outreach mission, through the Cooperative Extension Service, makes the land-grant university un-ique. Commitment to its original purpose - making research-based information available to all Kansans - is just as strong today as it was back in 1863. K-State Research and Extension continues to share practical information that is changing lives in Kansas." Although we have adjusted our programs to the needs of the communities across our state over the years, our core mission remains unchanged.

As the Crop Production agent, my winters are mainly spent putting on educational programs for local

farmers. These may be updates on new herbicides and their effectiveness, treatment thresholds for insects and how to scout for those insects, our Women in Ag farm management sessions, Farm Bill education, etc. The spring ramps up with field days which allow farmers to see demonstrations of crop practices and crop variety performance. I also do field issue diagnosis and field scouting as the growing season progresses. The farmer really determines my schedule based on the issues he/she is currently facing in their operation. But I can only be as useful to you, as a farmer, as how much you utilize me and the information I can provide. I would encourage you to utilize the excellent resource of Extension. Our River Valley Extension District has eight full time agents that cover agriculture, horticulture, nutrition, money management and family, aging, and community development.

To keep current on the newest updates from me and K-State agronomists, I would encourage you to follow me on Twitter. I use this social media site to basically keep all of you updated on what I do on a daily basis and get important crop information out to you. One of my recent posts was on the fact that we currently have prime conditions to see head scab develop up in our wheat and how to respond to this issue. I have tracked the occurrence of rust in our area and give recommendations based on KSU research. I will inform you of upcoming programs such as our winter canola field day on the 25th and our wheat plot tours on June 1st, 2nd, and 8th. If you are a Facebook user, you can see my posts on our River Valley Extension District page. But I also do my best to get information out to you via our newsletter, the local papers, and the local radio stations. And of course, I'm only a phone call away!

I want to wish you all the best in this planting season and for the rest of the growing season. And remember, the Cooperative Extension Service was created to serve you with research-based information, so please utilize our programs and information to assist your farming operation.

Pond waterer demo planned June 4th

The ideal time to put a pipeline through a pond for a tire tank or concrete watering system is while the pond is being built or cleaned out. But what if you want a tire tank below the pond and it's already full of water? On June 4th, Frontier Extension District has scheduled a demonstration site in Anderson County where Herschel George, Water Quality Specialist, will put a pipeline through the dam of an existing 10 acre pond. Registration will begin at 8:30 a.m. and excavation will start at 9:00 a.m. It will conclude by 2:00 p.m. or earlier. The demonstration site is located 1 1/2 miles east of Kincaid at the intersection of Highway K31 and Vermont, then south about 100 yards. The demonstration will include cutting through the pond dam, installing a water line through the dam (while not losing more than 100 gallons of water), putting in a shut-off valve, running the line to a tire water tank and plumbing the tank.

Research shows livestock prefer water facilities in the following order: tank or trough, pond, pool in stream, and flowing point on stream. Palatability and water temperature have been shown to greatly influence water consumption. Animals, like people, drink more when better water is available. Feed consumption is also related to water consumption.

A tire tank or concrete tank, instead of livestock drinking from a pond, provides cooler, cleaner, fresher water and eliminates livestock damage to the pond edges, spillway, and dam. Wading in the drinking source creates muddy, bacteria-contaminated water. Fencing the pond and dam prevents animals from standing in the water, thereby lengthening the life of the pond. The fence should be designed and built to exclude all livestock. Thirty feet of grass buffer inside the fence protects the pond by filtering runoff and capturing most of the silt and contaminants before they reach the pond.

Plans are to work through lunch so bring a sandwich if you want. If weather is a concern, please call Herschel George or Rod Schaub at 913-294-6021 or 785-828-4438 respectively.

Southeast Kansas Spring Crops Field Day set for May 24 in Parsons

Recent corn and wheat research will be on display at Kansas State University's Southeast Research and Extension Center Spring Crops Field Day and Tour, Tuesday, May 24, in Parsons. It will be hosted at the K-State Southeast Research and Extension Center, 25092 Ness Road (immediately south of U.S. Highway 400 on Ness Road).

Registration and breakfast, compliments of commercial sponsors, starts at 7:30 a.m. The program begins at 8:30 a.m., including:

Tour of wheat (43 varieties) plots - Allan Fritz, K-State wheat breeder; Lon-

nie Mengarelli, K-State research assistant; and seed company representatives;

Wheat disease management - Doug Shoup, K-State southeast area crops and soils specialist;

Using NDVI (Normalized Difference Vegetation Index) for nitrogen recommendations - Ray Asebedo, K-State precision agriculture specialist; and

Corn management - Gretchen Sassenrath, southeast area crop production agronomist.

The program will be hosted rain or shine. More information is available by calling 620-421-4826.

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International Genetic Solutions Cattleman's Seminar

Join the multi-breed partners of International Genetic Solutions on June 14, 2016 prior to the 2016 Beef Improvement Federation Annual Convention to learn about this unprecedented collaboration and the power of multi-breed genetic evaluation.

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Cattlemen's Seminar to showcase progress in multi-breed genetic evaluation

Ranchers looking to make an informed genetic selection across multiple breeds will want to mark June 14, 2016, on the calendar and attend the Cattlemen's Seminar hosted by International Genetic Solutions. The session will be held at the Hilton Garden Inn, Manhattan, at 10:30 a.m. The meeting is scheduled ahead of the official Beef Improvement Federation meeting.

Cattlemen will hear about the latest develop-

ment of BOLT, the technology being developed to greatly enhance and leverage the availability of genomic information, and ultimately accelerate the rate of genetic improvement. Dr. Bruce Golden, one of the developers of the technology, will explain the development and the benefit of this innovative evaluation system, which is expected to come online this summer.

A panel of renowned cattlemen and industry leaders including, Donnell Brown,

R.A. Brown Ranch; Tracy Brunner, NCBA president, Cow Camp Ranch; Steve Munger, Eagle Pass Ranch and Chip Ramsay, Rex Ranches, will share how using this technology and multi-breed evaluation data has helped improve their breeding programs and overall cow herd performance.

This project has also resulted in historic collaboration between breeds that has never before been seen in the beef industry. The session attendees will also have the privilege of hearing from association leadership including Tom Brink, Red Angus Association of America; Bruce Holmquist, Canadian Simmental Association; Dr. Wade Shafer,

American Simmental Association and Montie Soules, American Shorthorn Association, about the importance of utilizing this groundbreaking technology for genetic improvement.

All cattlemen, including commercial and seedstock producers alike, are invited to attend this two-hour session to learn more about this innovative, groundbreaking development. There is no charge for this session.

IGS is a collaboration of 12 progressive breed associations that have put the needs of the commercial cattle producer first by creating an unprecedented multi-breed genetic evaluation. With over 16 million total animals and 340,000-plus new animals being added annually, IGS has the largest beef genetic evaluation system in the world.

If cattlemen have additional questions about this session, please contact Chip Kemp, American Simmental Association, at 406-587-4531 or email ckemp@simmgene.com.

Poultry industry pressured to slow chicken growth pace

The U.S. chicken industry is facing pressure from some retailers to slow the pace at which chickens are brought to market weight. After decades spent finding ways to grow the birds faster, the industry is now looking for producers who are willing to take a few steps backward to meet the demands of a sector of the market. According to an article from the *Wall Street Journal*, the cost of meat from slow-growing birds can range from 20 percent more to three times the price of conventional chicken. However, some disagree with the concept, saying the majority of people won't be willing to pay the additional cost to purchase chicken.

To read the full article, visit <http://tinyurl.com/WSJ-5-6-16>.

Study shows livestock production not dominant greenhouse gas contributor

According to a white paper written by Frank Mitloehner, professor and air quality specialist with the University of California at Davis, the greenhouse gas (GHG) emissions contributed by the livestock production sector are minimal as compared to transportation and energy. The paper titled, *Livestock's Contributions to Climate Change: Facts and Fiction*, addresses animal agriculture and other sources considered to be climate change contributors. The conclusion finds livestock production to not be the greatest source.

"Efficiencies in U.S. livestock agriculture have lowered this industry's combined greenhouse gas emissions to a historic low of about four percent of the nation's total," said Mitloehner. "Furthering recent advances will be paramount to satisfy a growing global demand for animal protein without depleting natural resources."

The study notes that if Americans practiced "Meatless Mondays" there would only be a 0.6 percent decrease in U.S. GHG emissions. However, replacing incandescent lightbulbs with Energy Star bulbs would be twice as effective at 1.2 percent.

To view the white paper, visit <http://tinyurl.com/GHG-5-6-16>.

Ochsner to join Red Angus Marketing Team



ciate's degree from Casper College.

"We are excited to have Katie join the Red Angus team," said Brink. "She brings a well-rounded background of cattle production experiences to our marketing team and is ready to provide outstanding customer service to the commercial cattlemen seeking to gain the Red Angus advantage in their breeding programs."

Ochsner is a fifth-generation rancher, who hails from a purebred Hereford and Angus operation. Being involved with the family business, she brings first-hand experience from the purebred industry, as well as has an extended knowledge of the cattle supply chain, as her family also owns a small backgrounding operation where they have fed some of their bull customers' commercial calves.

A member of the livestock judging teams at UNL and Casper College, Ochsner is also a skilled livestock evaluator.

"I'm looking forward to the challenge and opportunity as a marketing specialist with RAAA," said Ochsner. "I believe I bring a background of experience and education that will allow me to help commercial cattlemen maximize their profit potential by using Red Angus genetics, and encouraging them to take advantage of the marketing programs available through the Association."

Ochsner will be based out of Wyoming and will officially begin her position July 31, 2016.

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Cleaning and maintaining cattle feeding sites can increase production

The arrival of May means now is the time to ensure cattle feeding sites are properly managed and kept clean. Excess manure can cause a multitude of issues, ranging from increased fly populations to dirty water.

Joel DeRouche, professor in Kansas State University's Department of Animal Sciences and Industry, said that from a sanitation standpoint, any manure that is lying around could end up downstream, especially during times of heavy

spring rains.

Manure that gets caught in spring rains and ends up downstream could spell trouble, including for cattle, he said.

"We know the environmental consequence, even from small sites, of a lot of manure that builds up," said DeRouche, a livestock nutrition and environmental management specialist for K-State Research and Extension. "From a phosphorus, nitrogen and bacterial standpoint, that could run off into our surface

water, often times in the same area where we expect those cattle to be drinking."

Unclean drinking water for cattle isn't the only problem that excess manure can cause. Flies can wreak havoc on cattle as well, even if they don't seem to be a noticeable problem to the producer.

"Sites that have excess manure and wasted hay are perfect environments for flies to lay eggs and begin to emerge," DeRouche said. "You have to recognize it only takes five stable

flies per leg to reach an economic threshold of decreased performance. So we're talking 20 flies total per animal."

In fact, recent research continues to show how flies can have a real economic impact on cattle.

"Research in Nebraska, a grazing study, found that average daily gain was reduced about a half a pound over an 84-day trial when insecticide wasn't applied versus when it was," DeRouche said. "We can directly relate that to the

amount of flies that were present in that particular study. So this is not a minor potential impact on performance."

Keeping flies under control and taking every measure to ensure that flies are not a hindrance to cattle is important for producers.

"We can certainly use insecticide to help mitigate (flies), which is a valuable management tool," DeRouche said. "The other side is to just decrease the fly population in that given area. The way we can do

that is by getting these sites cleaned up and getting that manure piled up and spread as soon as possible."

Heading into summer, there are fewer opportunities to spread manure because of the growing crops. So get that spring cleaning done sooner rather than later, he advised.

A K-State publication titled *Managing Stable Fly Production at Pasture Feeding Sites* is available online or at local Extension offices throughout Kansas.

USDA establishes new partnerships to link underserved farmers to FSA programs

The U.S. Department of Agriculture (USDA) recently announced cooperative agreements with 55 partners to educate farmers and other producers that have been underserved by USDA programs historically about Farm Service Agency (FSA) programs that provide financial, disaster or technical support. Nearly \$2.5 million will go to nonprofits, associations, universities, and foundations that will provide training and information on agricultural best practices, local networking opportunities, and more.

"We're always working to find new ways for our programs to reach more producers and create more jobs in agriculture," said FSA administrator Val Dolcini. "The organizations selected as part of this effort share USDA's priority of helping more Americans build successful farms and ranches."

FSA, which solicited applications last fall, received nearly 100 proposals that requested over \$9 million in funding. Cooperative agreements, encompassing more than 28 states, will be between \$20,000 and \$75,000 each and several involve multi-state or national efforts. A list of awardees can be found at www.fsa.usda.gov/outreach.

FSA also announced that it is accepting proposals for consideration in the second evaluation period. Applications are due no later than July 11, 2016. Projects not selected during the first evaluation period will be reconsidered during the second period. Additional information on the funding solicitation and the related FSA programs can be found at www.grants.gov using reference number USDA-FSA-CA-2016-001. For nonprofits and public institutions of

higher education that are considering participation, a recording of the online informational session held with stakeholders is posted on the web at www.fsa.usda.gov/outreach.

USDA is also helping producers find an entry into farming through urban agriculture opportunities and the increasing consumer demand for locally produced items. Under this Administration, USDA has invested more than \$1 billion in over 40,000 local and regional food businesses and infrastructure projects. USDA is committed to helping farmers, ranchers, and businesses access the growing market for local and regional foods, which was valued at \$12 billion in 2014 according to industry estimates. More information on how USDA investments are connecting producers with consumers and expanding rural economic opportunities is available in Chapter IV of USDA Results on Medium.

Since 2009, USDA has worked to strengthen and support American agriculture, an industry that supports one in 11 American jobs, provides American consumers with more than 80 percent of the food we consume, ensures that Americans spend less of their paychecks at the grocery store than most people in other countries, and supports markets for homegrown renewable energy and materials. USDA has also provided \$5.6 billion of disaster relief to farmers and ranchers; expanded risk management tools with products like Whole Farm Revenue Protection; and helped farm businesses grow with \$36 billion in farm credit. USDA has engaged its resources to support a strong next generation of farmers and ranchers by improving access to land and capital; building new markets and market opportunities; extending new conservation opportunities; offering appropriate risk management tools; and increasing their outreach, education, and technical support including 102,000 direct and guaranteed farm operating and ownership loans. USDA has also provided more than 18,000 microloans totaling over

\$406 million since the program began in January 2013. Nearly 89 percent of microloans, or more than \$363 million, were used by new, beginning and underserved farmers to grow their farming operations. For more information, visit www.usda.gov/results.

Research highlights importance of high-quality protein

Texas A&M University researcher Guoyao Wu recently released a study analyzing the optimal combination of animal and plant-based proteins to achieve the necessary balance of amino acids for human growth. The study, which was published in the journal *Food & Function*, showed that high-quality proteins, such as those found in lean meat and milk, are critical for optimal development.

The study's conclusion states, "In practice, adequate consumption of lean meat... can help individuals realize the health benefits of moderate or intense exercise... Sufficient intake of high-quality protein from animal products (e.g., lean meat and milk) is essential for optimal growth, development, and health of children, as well as for optimal maintenance, function and health of tissues... in adults."

To learn more about this study, visit <http://pubs.rsc.org/en/content/articlehtml/2016/fo/c5fo01530h>.



Judge Austin Langemeier selected the entry shown by Timber Neal, Dexter, as the reserve champion market hog at the 2016 Flint Hills Classic Spring Livestock Show in Eureka.

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• Items available in Concordia, KS 66901, Tracie Archer 402-348-3871	• Bill Sexton 785-366-6247, Abilene, KS 67410	• 2005 John Deere 4720 Sprayer
• Royce Lange 316-204-3889, Conway Springs, KS 67031	• Neitzel Farm & Ranch, Tadd Neitzel 785-332-7004, St. Francis, KS 67756	• 2010 Gleaner R76 Combine
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LAND AUCTION

When: Tuesday, May 31 • 7:00 p.m.
Where: American AgCredit • 925 W. Magnolia Rd, Salina
Seller: Norman Tillberg Estate
Saline Co. Cropland

Legal & General Description: Tract I: NE4 11-14-4, 131.42 Cropland, Class I, II, III soils. 26.2 acres m/l creek and timber. **Tract II:** North 40 acres SE4 2-14-4, 40 acres cropland I & II soils. **Land Location:** Land is located east of Hedville, KS at Muir Rd and Armstrong Rd.

Taxes: 2015 Tract I: \$1,516.98 and **Tract II:** To be determined. **Possession:** After harvest of now growing crop. On or before August 1, 2016. **Terms:** 10% down day of auction and sign sales agreement. Balance due in certified funds at closing on or before June 30, 2016. Title insurance and closing cost shared equally between Buyer and Seller. 2016 property taxes paid by Seller.

Announcements day of auction take precedence over printed material.
Auction conducted by Omli and Associates, Inc.
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AUCTION

SATURDAY, MAY 21 — 9:30 AM
421 S. Ash (OLG) — NEWTON, KANSAS

CLOCKS & STERLING SILVER: Howard Miller Clock; Hampden 10K Gold Case Lever Set Pocket Watch; 1915 Hampden 10K Gold Case, Pendant Set Pocket Watch; Elida Swiss Pocket Watch, Sterling Case Swing Out; 100 Pieces Governor Bradford by International Sterling Silverware; 26 Pieces Reed & Barton Sterling Silverware; Grandfather & Grandmother Emporer Clocks; German Kuckoo Clock/dancers; 1881, 1879, & 1926 Silver Dollars, 4 1935 \$1.00 Silver Certificates; Silver & Gold Teeth Fillings. **COLLECTIBLES & GLASSWARE:** Germany Lemonade Set/6 Cup; Red Bohemian Glass Decantor/Cruet/Stems; 13 Hummels; 145 Pieces Desert Rose Dishes/Extras; American Fostoria; RS Prussia Plate; Stag & Holly Carnival Bowl; Pink Fenton Fluted Vase; 1978 W Germany Christmas Dish Setting/Extras; 20 Piece Bird Collection marked Royal Winchester, Germany, W Goebel, Lenox, Second Nature Design, W Germany, & Anslay; 1967-1988 German Christmas Plates; Swavorski Swans; 18 Beer Steins; 1971-1972 Budweiser 1st Edition Steins signed; Syracuse China Railroad Pattern; Dilesia Fluted Bowl; Lg. Set Bavarian Germany Maple Leaf; 2 Murano Birds; Pink Lenox Collection Capodimonte Porcelain Rose & Lily Bouquet Bowl; Two Double Cart (Italy); Cut Glass & Other Quality Glass; 1880's Quilt Donkey Wedding Ring & Fan Pattern made by Mildred's Grandmother (some damage); Latch Hook Rugs made by Mildred & Fred Markee; 8 Framed Railway Company Litho Indian Prints; Cast Iron Boston Terrier Door Stop; Teddy Bears; Dragon Fly Tiffany Style Lighted Base Lamp; 2 White Fluted Top Fenton Lamps. **ANTIQUES & FURNITURE:** East Lake Love seat from Reece Auction (1979); 6 Victorian Style Lamp Tables-oval, round, rectangular/marble; 2 Oak Tables/extra leaves; 4 Oak Spindle Back Chairs; 5 Barrel Chairs/Rollers; Stressed Oak High-back Desk Chair; 2 Night Stands; Antique Oak Wardrobe; Oakwood Interiors, 5 Piece Bedroom Set-King Bed, 10 Drawer Dresser/Mirror, 7 Drawer Chest & 2 Night Stands; Kenmore Elite Front-Load Washer & Kenmore Elite Gas Dryer.

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Red meat exports move higher in March; first-quarter volumes up 2 percent

March exports of both U.S. beef and pork increased year-over-year in volume, according to statistics released by USDA and compiled by the U.S. Meat Export Federation (USMEF). March export values were lower than a year ago but trended upward, with both reaching a 2016 high.

Beef exports totaled 89,482 metric tons (mt) in March, up 3 percent from a year ago and pushing first-quarter volume to 254,986 mt – up 2 percent. March export value was \$483.3 million, down 8 percent from a year ago but the highest since December. For the first quarter, export value was \$1.36 billion – down 13 percent from the same period last year.

March pork exports were the largest in 11 months at 195,898 mt, up 3 percent year-over-year. First-quarter

exports reached 534,321 mt, up 2 percent. March export value (\$480.4 million) was down 3 percent from a year ago but the highest since May 2015. First-quarter export value totaled \$1.3 billion, 9 percent below last year's pace.

"Exports showed an encouraging level of improvement in March, especially to our key Asian markets," said USMEF president and CEO Philip Seng. "The U.S. pork industry is now better positioned to capitalize on strong demand in China. Pork exports to Japan were also higher, though we are still in a very tough battle for market share as Japan's imports from Europe increased at a faster pace. On the beef side, exports continued to perform well in Japan, South Korea and Taiwan. So while U.S. exports continue to recover from a down year in 2015, volumes

are on track for improvement in most markets this year."

Beef variety meat demand bolsters exports to Asia, Middle East

While lower beef prices pushed export values below year-ago levels in most destinations, Korea and Taiwan stood out as top performers. For the first quarter, exports to Korea increased 25 percent from a year ago in volume (34,638 mt) and were steady in value at \$205 million. Exports to Taiwan increased 20 percent to 7,634 mt, while value climbed 3 percent to \$66.4 million. These markets continue to show strong demand for high-quality chilled U.S. beef cuts in both the retail and foodservice sectors. Beef variety meat exports to Korea have also performed exceptionally well in 2016, with first-quarter exports more than doubling in volume (3,954 mt, +133 percent) and increasing 84 percent in value (\$17.6 million).

First-quarter beef export volume to Japan improved 9 percent from a year ago to 52,841 mt, while value fell 7 percent to \$300.4 million. Led by strong demand for

U.S. beef tongues, beef variety meat exports to Japan were very strong in the first quarter, increasing 21 percent from a year ago in volume (9,877 mt) and 22 percent in value (\$70.4 million).

Beef exports to the Middle East increased 13 percent in the first quarter to 27,641 mt, though value fell 11 percent to \$60.3 million. Variety meat exports to Egypt increased 47 percent year-over-year in March, pushing the first-quarter total to 24,543 mt (+14 percent). The United Arab Emirates (UAE) is the leading market in the region for beef muscle cuts, with first-quarter exports increasing 8 percent year-over-year to 1,507 mt. Export value to the UAE fell 2 percent to \$17.3 million.

Weakness of the Mexican peso and Canadian dollar continues to be a significant obstacle for U.S. beef. First-quarter exports to Canada declined 9 percent from a year ago in volume (26,246 mt) and 21 percent in value (\$160.7 million). First-quarter exports to Mexico were down 14 percent (48,916 mt) and 23 percent (\$219.4 million), respectively, though beef muscle cut exports to Mexico rebounded to some degree in March at 9,103 mt – the highest volume since December.

First-quarter exports equated to 12.5 percent of total U.S. beef production and 9 percent for muscle cuts only – both down slightly from a year ago. Export value averaged \$243.21 per head of fed slaughter in the first quarter, down 16 percent from last year's pace.

Pork exports surge to China/Hong Kong; chilled

pork drives improvement in Japan

March pork exports to the China/Hong Kong region were 50,695 mt, up 80 percent from a year ago and the largest volume since December 2011. For the first quarter, exports to China/Hong Kong increased 83 percent in volume (124,231 mt) and 54 percent in value (\$233.7 million). But China's imports from all suppliers – especially the European Union – have been record-large in recent months, raising concerns that the market could soften despite the downward trend in domestic production.

Japan's pork imports from all suppliers showed renewed momentum in March, which helped boost U.S. exports to Japan above year-ago levels for the first time this year. Led by strong demand for U.S. chilled pork, March exports were 36,914 mt, up 3 percent from a year ago and the largest volume since May 2015. March export value increased 5 percent to \$138.7 million. For the first quarter, exports to Japan were still lower year-over-year in both volume (94,982 mt, -9 percent) and value (\$363.2 million, -6 percent).

Pork exports saw mixed results in North America in March, with exports to Mexico falling 17 percent in volume (51,452 mt) and 16 percent in value (\$86.6 million). For the first quarter, exports to Mexico were down 11 percent (159,947 mt) and 18 percent (\$262.7 million), respectively. March exports to Canada were the largest in six months at 18,871 mt, which was steady with last year. Export value slipped 4 percent to \$68.7 million. First-quarter exports to Canada were down 3 percent from a year ago in volume (47,510 mt) and 9 percent lower in value (\$174.2 million).

Driven by strong growth in the Philippines, first-quarter exports to the

ASEAN region increased 2 percent in volume (9,658 mt) and 1 percent in value (\$21.1 million). Exports to the Philippines were up 10 percent (8,007 mt) and 18 percent (17,021 mt), respectively.

First-quarter pork exports to Central America were also higher in both volume (15,491 mt, +24 percent) and value (\$35.5 million, +9 percent), led by strong growth in Honduras and Guatemala.

First-quarter exports equated to 24 percent of total pork production and 20 percent for muscle cuts only – both steady with last year. But for March, the muscle cut ratio was 22 percent – the highest in ten months. Export value averaged \$44.41 per head in the first quarter, down 10 percent from the same period last year.

Lamb export volume higher than a year ago; value shows signs of improvement

March exports of U.S. lamb increased 20 percent from a year ago to 875 mt. Export value was the highest since December at \$1.68 million, but still down 12 percent year-over-year. For January through March, exports increased 18 percent in volume to 2,676 mt while value fell 16 percent to \$4.49 million. Bermuda has re-emerged as a strong destination for U.S. lamb in 2016, though total exports to the Caribbean region were lower in the first quarter. Other emerging markets performing well this year include Singapore and the UAE.

Complete first-quarter export results for U.S. beef, pork and lamb are available from USMEF's statistics web page. Monthly charts for U.S. beef and pork export volumes are also available online.

If you have questions, please contact Joe Schuele at jschuele@usmef.org or call 303-547-0030.

AUCTION

SATURDAY, MAY 28 — 9:00 AM

LOCATION: 1503 Indigo Road, HILLSBORO, KANSAS

DIRECTIONS: From Hillsboro, 4 miles South on Ash St / Indigo Road, on West side (corner of Indigo & 150th)

TRACTORS

'69 756 IH Tractor; '67 806 IH Tractor; '49 McCormick IH Cub; '44 Oliver 60 Row Crop (runnable); International H; '37 WC Allis on steel, running; 530 Case Loader Tractor; **OLD TRACTORS IN VARIOUS STATES OF REPAIR INCLUDING:** '37 L Case, high speed rear end; '38 C Case; '51 D Case; '34 D John Deere; '37 F20; IH H; Twin City 1728 on steel; '48 Oliver 60.

MACHINERY/TRAILERS/MISC

New Holland Manure Spreader; 5'x16' Hale Bumper Trailer; 2 Wheel Trailers; 4 Wheel Hay Trailer; IH 510 8-16 Drill; Hesston 1014 Hydro-Swing Swather; New Holland 5 Bar Beam Rake; Case 16' Tandem Wheel Disk; 5' & 6' Rotary Mowers; 2) New Holland 851 Round Balers, (1 for parts); 495 New Holland 12' Swather, rough; Birch 4 Row Cultivator; Fold Up 20 Springtooth; 269 New Holland Square Baler, broken needles; IH 3-16 Semi Mount Plow; 47' Semi Trailer Box Van on wheels; 3) 300 Gallon Tanks on Stands; Asst Hog & Cattle Panels; 2 New Rolls Barbed Wire; T-Posts; 2) Honda 75 Motorcycles; 100 Cub Cadet Mower & Trailer; Gas Powered Log Splitter.

OLD & COLLECTIBLE MACHINERY

8) Dump Rakes; 9' John Deere Pull Tandem Disk; John Deere Horse Drawn Disk Plow; John Deere Stalk Cutter; Emerson 1 Bottom Sulky Plow; Numerous John Deere & Moline Horse Drawn Planters & Cultivators; 3) John Deere Pull Plows, 2 & 3 Bottom on Steel; 2 Horse Drawn Road Graders; Case, John Deere & IH Horse Drawn Sickle Mowers; IH Manure Spreader, Steel; Case Side Rake, Steel; 1 Bottom, 16" Avery Pull Plow on Steel; Fast Hitch, 3 Bottom IH Plow; 2 Row, Allis Chalmers Snap Coupler Cultivator; Continental Trip Post Hole Digger; IH Hammer Mill; New Idea Side Rake; Harrow Carrier & Harrow; Walking Plow.

GUNS

410 Stevens #39 A Bolt Action; Winchester Model 94 30-30 ; 20 Gauge Stevens Single Shot; 410 EXCEL Single Shot; .22 Remington 550; .22 Mossberg; .22 Wards Western Field; .22 J.C. Higgins; 12 Gauge Savage 30 Series; 12 Gauge Single Shot.

ANTIQUES/COLLECTIBLES

OLD ADVERTISING SIGNS INCLUDING: McCormick Deering Service, Dairy Equipment & Hamilton Hardware Signs; Large Ford A 1 Used Car Sign; Large Ford & Firestone Signs; Poof's "Sweetprof" Work Clothes Sign; Anti Sludge ISO= Vis "D" Motor Oil Sign; 3 Coca-Cola Signs; Tucker & Griffith Merc Co Sign; Grimwood & Sons Burns, KS IH Sign; Shell Sign; **OLD METAL CANS INCLUDING:** Ford Anti-Freeze Can; Mobilene Motor Oil Can; IH, MM, Ford, Allis Chalmers & other cans; Bay Bronze Gas Globe; Santa Fe Lantern; Phillips 66 Battery Stand; **OTHER ASSORTED ANTIQUE / COLLECTIBLE ITEMS INCLUDING:** Lumber Wagon with Spring Seat, good condition; 1940's Cushman Scooter; Several Pedal Tractors including: 1949 Small H, IH, Case IH, Western Flyer; Full Set Undated Kansas License Plates 1913 -1920; 80+ Steel Wheels; 4) Wood & Coal Stoves; Topsy Stove; MANY Old Wrenches; Coaster Wagons; Buggy Wheels; Buggy Steps; Wooden Sleigh Box; Partial Racing Cart; Wagon & Buggy Tongues; LOTS of Hames, Single & Double Trees, Neck Yokes, Harnesses, Bridles & Bits, Collars; H Radiator & Shutter; IH Pulleys; Implement Tool Boxes; Numerous Tractor Manuals; Old Implement Seats (4 Cast Iron); Rear Steel Wheels with Lugs, Fordson, 9N Ford, H or M; Cut Outs, Allis, IH, M, John Deere, D, Case, L & C; **MANY OLD CAR PARTS INCLUDING:** Carburetors, Magnetos, Starters, Box & Buzz Coils, Radiators, Flat Heads, Generators, Hub Caps, Head Lights, Windshields, Horns, Steering Wheels, Running Boards & MORE; Tractor Governors; Oliver 60 Radiator & Grill; C Case Head; Numerous Plow Shears; Many Endless Belts; Small Belt Driven Burr Grinders; Hand Grain Grinders; Small Pedal Grind Stone; Large Cotton Scale; Numerous Lightening Rods & Balls; LOTS of Door Knobs; Old Cameras; Wall Telephones; Wash Tubs; Assorted Old, Odd Spark Plugs; 3 Post Drills; Old Radios & Phonographs; Kerosene & Gas Lamps; Ice Cream Chairs; Weather Vanes; Vernado Fan; Metal Toys; Metal Cans; 2) 1921 Marion County Atlas; Fisher Price Houses, Garage, Barn, Cow; Area Thermometers, Rain Gauges, Calendars; Wind Up Clock; Hoosier Type Glass Containers for Coffee, Tea, Soda, some blank; Chicken Crate; John Deere & IH Corn Shellers; 1 1/2hp L.B. Engine, IH, L.B. Style; Stationary Engine Carts; Old Style School Desks; Metal Wheel Barrows; 5 Gallon Gas & Oil Cans; Jacks; Drip Oilers; Check Plate Marker Stakes; De Laval & IH Cream Separators; Cream Cans; Barn Door Hinges; Scythes; 2 Man Saws; Hay Knives; WC, AC Fenders; 7) Well Hand Pumps & MUCH MORE!!

OLD, ANTIQUE FURNITURE, HOUSEHOLD, TOYS, MISC.

Hoosier Style Cabinet; China Cabinet; Wooden Beds; 3 Dressers; Pie Safe (not complete); Square Parlor Table with Claw Feet; Oval Walnut Table; Wooden Rocker; 5) Treadle Sewing Machines; Organ Stool; Stereoscope & Pictures; Beaded Stemware; Old Tabor Yearbooks, Cookbooks (Ebenfeld Church) & Misc Books; Antique Dishes Set; Cookie Jar; Silverware; Child Sized Folding Table & Chairs; Erector Set; Asst Toys.

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AUCTION

SATURDAY, MAY 28 — 9:00 AM

FOR BARBARA JORDAN ESTATE

Auction Location: Russell Co. 4-H Bldg. Russell, KS.

Open for Viewing Friday, May 27, 1:00-6:00 P.M.

FURNITURE: Wicker Loveseat, Chair, Rocker & End Table Set; Clawfoot rd. oak Table w/5 Press-back Chairs; Primitive Deacon's Bench; Primitive Potato Cabinet; Primitive Baking Cabinet; Walnut Dining Room Table w/7 Cane Bottom Chairs; Highback Oak Chair; Pennsylvania Dish Cupboard; Small Tilt Table; Nice Double Lid Flour Bin w/Rolling Pin; lg. walnut wardrobe; 4 Legged Pedestal Dropleaf Pine Table w/Drawer; Flyback Commodes; Primitive Dry Sinks; Corner Glass Front Shelf w/Key; Screen Door Pie Cabinet; Hall Tree; Cabinet w/acorn size drawers; Burl Walnut Asst Pull 3 & 4 Drawer Chests; Knock Down Wardrobe w/Glass Front; Teardrop Pull Walnut Commode; Teardrop Pull Walnut 3 Drawer Chest; Walnut Spool Bed; 2 Door Pie Cabinet; Trunks; Blanket Chest; Dovetail Carpenter's Trunk; Telephone Table; Old Kitchen Cabinet; Child's Rocker; Large Primitive Cabinet; Double Sided Woodworking Bench. **ANTIQUES, PRIMITIVES, COLLECTIBLES:** Limestone Water Trough; Blue Enamelware; V. Collard-Dinant; Spice Cabinets; Blue Jars; Pennsylvania Baskets; Pyrex Measuring Bowl; Blue Crocks; German Salt Box; Cobalt Bottles; Redcliff Grape Pattern Ironstone; Apothecary Jars; Nice Wooden Lion Coffee Box w/ Etching; Wood Butter Churn; Chatham Milk Scale; Wood Handle Cutmaster Knife; Cl Leaded Pot; Several Butter Molds; Wood Dippers; Large Wood Bowls; Small Slate; Central Union Tobacco Tin; Blue Stoneware Pitcher; Beshlie Pictures; Pine and Wire Hat and Coat Rack; No. 1 Oleo Stock Wooden Bucket; Frank Illers Harness Dressing Box (JD Plow Co); Printer Drawer; Corn Stretcher Tool; Elec. Aladdin Lamp; Valenci

Figurines; Kero Lamps; Still Life Metal Tray; Jeep, Turkey, Car & Rabbit Candy Containers; 500 lb. Brass Scale Weight; Paperweights; Brass Applesauce Buckets; Oval Fostoria Platter; Butter Jar; Fancywork; Denmark Mothers Day Plates; Tip Up bottle; J.G. Meakin Soup Tureen and Platter; Silver Platter w/Lid, Silver Pitcher; Elec. Brass Rayo Lamp; Pegged Wall Cabinet w/2 Drawers; Sleepy Eye Crock Pitcher; Glass Spooner; Crown Pottery Chicken Figurine; 1871 Ruby Cut to Clear Toothpick; Lonaberger Baskets; Nice West German Stencil; Brass Rabbits; Wall Mag. Rack; Cl Bird/Nest; Rowe Pottery Salt Glaze Lap; Speckled Crock Spittoons; Coleman Elec. Brass Lamps; Oak Framed Oval Mirror and Others; Mercury Glass, Cl Santas and Others; Large Oval Rug; Still Life; 6 gal. Birch Leaf Butter Crock; Mildred State Bank Bank; Nice Old Christmas Box; Kalidascope; Seth Thomas Mantle Clock; Ruthling Picture; Duck Head Umbrella; Finger Lamps; Kansas Belt Buckles; CORCORAN Lantern; Velvet Tobacco Tin; Misc. Jewelry; Cl Rabbit Door Stops; Embroidered Quilt and Others; Pitcher Commode/Bowl; Marbles; Delaval Milk Bucket; Sewing Spool Cabinet; B&D Fan; Wrought Iron Wall Candle Holder; Bulls Eye BB Tube; Johnson Citation and Princess & Viking Reels; Watering Can; Nice Lap Robe w/ Pockets; Horse Hair Lap Robe; Bear Lap Robes (2); Cannon Camera; Blue Coin Glass Piece; Oxen Yoke; Winchester Brass Shells; Cl Wagner Skillet; Flat Irons; Maynerd Reece Picture; 6 gal. Western Crock.

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- Seller is offering a \$200 per acre discount for a Seller carry, finance package for 10 years.
- Seller and Buyer to split equally the cost of the Title Insurance and Title Closing Cost
- Final Bid subject to Seller Confirmation

Announcements Sale Day take precedence over prior information

SELLERS: ADAM, JR. & RUTHANN NOCKTONICK TRUST

Auctioneer: Roger Hower, Associate Broker, KELLERMAN REAL ESTATE, 101 W 4th St. Holton KS

785-364-8272 rhower@kellermanrealestate.com

More details available at

www.kellermanrealestate.com

ROGER HOWER

785-364-8272

The upstanding, outstanding pinto bean

Pinto beans are the most common type of bean cultivated in the United States, accounting for more than a third of all edible, dry bean production. Harvesting them, however, has been a complicated ordeal—until now.

Researchers have released a new variety of upright pinto bean, Long's Peak. Mark Brick, Professor of Plant Breeding and Genetics at Colorado State University, led the researchers.

Long's Peak combines upright architecture with high yields, excellent seed color and weight, and resistance to several diseases such as common rust. The upright architecture of Long's Peak makes it faster and cheaper to harvest.

Traditionally, U.S. pinto varieties have "prostrate" architecture. "They would grow upright initially; then mid-season, when they started to show pods, they would vine out and grow horizontally along the ground," says Brick.

Harvesting prostrate

beans is a complex process. Harvesters cut the bean plants below the ground, pull them out, and lay them on the field to dry in piled rows. Finally, combine harvesters are used to thresh and harvest the dried beans.

"Each step in this harvesting process has the potential to decrease yields by shattering of the bean seeds," says Brick. Additionally, while beans are drying in the fields they remain exposed to the weather, which can discolor seeds, damage yields or even ruin the crop completely.

Bean plants with upright architecture, such as Long's Peak, can be direct-harvested using a combine-harvester. This one-step harvesting process saves time and fuel. It also increases yield by reducing shattering of bean seeds, and reduces the risk of damage through exposure to adverse weather.

The story of upright pinto bean varieties begins several thousand years ago, according to Brick. When

humans domesticated dried beans across Central and South America, geographical variations gave rise to different bean varieties.

In the high plateaus of Mexico, Native Americans domesticated pinto and red beans that had large seeds and prostrate architecture. But in lowland tropical regions of Central America, white and black beans with upright architecture and small seeds were grown.

Breeding an upright pinto meant using the best of bean worlds. "We had to make crosses between the upright, tropical types with small seeds and the large-seeded highland varieties," says Brick.

While the initial crosses yielded some plants with upright architecture, breeders had difficulties with seed size.

"Seed size is a vital feature of how marketable a bean variety is," says Brick.

Researchers used a process called recurrent selection, where they continued to interbreed the upright plants with small seeds and select the offspring with the largest seeds for the next breeding cycle.

"Each generation of intercrossing, you can slowly make progress not only on seed size and upright architecture, but other traits such as yield and disease resistance," says Brick.

Long's Peak has been a long time in the making. Brick, and other researchers across the U.S., have been working for more than three decades to generate upright pinto beans with large seeds, high yield, good color, and pest resistance.

"Plant breeders are patient people," says Brick, "and as long as we see a tiny bit of progress, we persevere."

Geography and weather play a role in growers' bean selection. More than 70% of the bean crop in Michigan consists of upright varieties. "Where the risk of rain during harvest is relatively low, such as Colorado, growers have been slower in switching to upright varieties," says Brick.

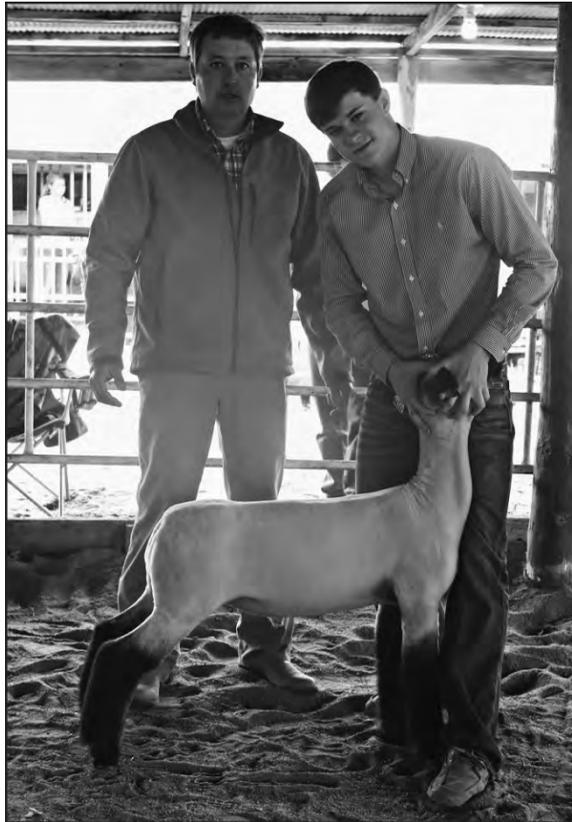
Brick continues to work on breeding bean varieties with increased disease resistance, higher yields, and more nutritional value. "Pulse crops, such as beans, are highly associated with health in people and we need to eat more of them," he says.

Dry beans are a nutrient-dense food and a vital source of protein in large parts of the developing world. Beans also provide dietary fiber, which aids in

maintaining digestive health and offers protection from developing certain kinds of cancer. Consumption of beans brings other health benefits, such as lowered blood cholesterol levels and reduced obesity.

Dried beans are part of a food group known as pulses. The United Nations Food and Agriculture Organization declared 2016 the International Year of Pulses (IYP). In celebration, the Crop Science Society of America (CSSA) created a web page for the public about pulses, www.crops.org/iyp. Special tabs for the public include K-12 Education, Beans in the News, Grown Your Own, and Delicious Ideas. CSSA has also compiled links to various recipes, so you can increase your consumption of pulses.

CSSA will release more information about pulses during the 2016 IYP celebration.



The champion market sheep at the 2016 Flint Hills Classic Spring Livestock Show in Eureka was shown by Kylar Lee, Burlington. Shannon Scotten was the judge.



Emma Stewart, Baldwin City, exhibited the champion commercial ewe at the Flint Hills Classic Spring Livestock Show, as selected by judge Shannon Scotten.

**2 TRACTS IN MARION COUNTY, KS
226.7 ACRES CROPLAND
AUCTION**

THURSDAY, JUNE 2 — 7:00 PM
AUCTION LOCATION: Burns Community Center,
BURNS, KANSAS 66840

SELLER: HELEN E. BECKER REVOCABLE TRUST

PROPERTY ADDRESS: Intersection of Rd 20th & Yarrow St. Property is on the west side of the intersection on the south and north side of 20th St.

PROPERTY LOCATION: 1/2 mile north of Burns, Ks., to Rd 20th and 1 1/2 miles west.

TRACT 1: 148.7 Acres more or less

BRIEF LEGAL: NE/4 of Sec. 31, Twp 22 S. Rge 5 E. Marion Co Ks. Less a home site tract located south side of Rd 20th.

TAXES: \$1591.92 MINERALS: Buyer shall receive 1/2 of seller's mineral rights or 100% of seller's minerals if there is no production as of May 29, 2017.

PROPERTY DESCRIPTION: Here is a nice short quarter ready to work for you! Productive ag land, without improvements to pay taxes on. The ag land breakdown is as follows: 131.59 Acres of dryland, 15.22 acres of native grass with a pond, 1.97 acres of tame grass. The property is not fenced on the east, west, or north sides. The soils are : (approximate acres from Surety maps) Irwin silty clay loam 1-3% slopes-104.84 Acres, Labette-Sogn Silty Clay Loam 0-3% slopes-11.51 acres, Ladysmith silty clay loam, 0-1% slopes-3.92 acres. There is approximately 60 acres currently in wheat and approximately 70 acres to be planted to beans. The balance is in hay meadow, pond & waterway. The Care of the land by the sellers is evident. Terraces and waterways are in place with concrete spillways on the south and drainage tubes in place on some of the terraces. The brush & trees have been kept out of the waterways and pasture, other than around the pond. This short quarter works well with today's modern equipment!!

TRACT 2: 78.0 acres more or less.

BRIEF LEGAL: S 1/2 of the SE 1/4 of Sec. 30, Twp. 22, Rge 5 Marion Co. Ks.

TAXES: \$799.88 MINERALS: Sellers minerals pass to the buyer, there is no production.

LOCATION: North side of Rd 20th, across from Tract 1.

PROPERTY DESCRIPTION: Here is 78 acres of all usable ag land. There are no improvements. The ag land breakdown is as follows: 72.85 Acres of dryland, 4.77 Acres of tame grass. The soils are: (approximate acres from Surety maps) Labette-Dwight complex, 0-3% slopes-34.15 Acres, Irwin Silty Clay Loam, 1 to 3% slopes- 30.88 Acres, Labette-Sogn Silty Clay Loam 0-8% slopes-8.68 Acres, Ladysmith Silty Clay Loam, 0-1% slopes- 4.78 acres, Irwin Silty Clay Loam, 3to 7% slopes- .08 Acres. There is currently approximately 35 acres in wheat and approximately 36 acres to be planted to beans and the balance is waterway and tame grass. Here again one can see the care of the land by the seller. The waterway has just recently been cleared of any brush and trees and the water drainage area has been smoothed over for better access with farm equipment. The property is not fenced on the east, south or west sides. This is a nice affordable size acreage for the young ag producer or add this tract to your present operation.

TERMS: Earnest money deposit on Tract 1- \$30,000.00, Tract 2-\$15,000.00 made payable evening of the auction to Hannaford Abstract & Title Co. Closing on or before June 23, 2016 at which time appropriate deed will be given. Cost of the title insurance policy and closing fees of the title company shall be shared 50/50 by the sellers and the buyers. Taxes for 2016 shall be the responsibility of the buyers. The property is being sold with an ag lease for 2016. The Buyer will receive 1/3 of all 2016 crops. The tenant is planning on double crop beans after the wheat and the buyer will receive 1/3 of those bushels as well. Buyer will receive full possession after the harvest of all 2016 crops. The property is being sold as is with consideration for the ag lease. All financing arrangements need to be made prior to the auction. All information has been gathered from Marion Co sources, and is considered accurate, but is not guaranteed.

AUCTIONEER'S NOTE: Here is an opportunity many of you have been looking for-affordable size acreages in the Burns area of Marion County. It is quite an opportunity for us to be able to offer properties that have been well cared for and maintained. Good access with gravel roads on two sides of both tracts. Terraces and waterways are already in place. With wheat harvest coming soon, you the buyer will receive income from your investment almost immediately. The opportunity is yours! We will look forward to seeing you at the auction.

Tract 1

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

Griffin Real Estate & Auction Service LC

305 Broadway
Cottonwood Falls, KS 66845
Phone: 620-273-6421 • Fax: 620-273-6425
Toll Free: 1-866-273-6421
In Office: Nancy Griffin, Heidi Maggard
Email: griffin123r@gmail.com
www.GriffinRealEstateAuction.com

LIVING ESTATE AUCTION
ROSIE & HAROLD POIRIER LIVING ESTATE
SATURDAY, MAY 21 — 9:00 AM
614 Walnut Street — JAMESTOWN, KS

**BUGGY SURREY **
DOCTOR'S BUGGY****

FURNITURE: 2 pc pine display cabinet; lg. Grandfather Clock (Log); coffee tables; walnut marble top stand & wall table; Ornate Highback Chairs; Dinette Table w/lg. Ornate Pedestals; Ornate Victorian Curved China Cabinet; Corner Curio Cabinet; Curved Glass China Cabinet; Victorian Loveseat; Grandmother Clock Type Cabinet; Kitchen Cabinets; Dropleaf Kitchen Table w/chairs; Twig Lamp Table; Shaving Stand; Jelly Cabinet; 2 dr glass front bookcase; Fainting Couch; Carved Trunk; Chests; Regular Size Iron Bed; Serpentine Front Dresser w/Mirror; Oak Dresser w/Mirror; Quilt Rack; Glider Chairs; Log Rocker Chair; Wrought Iron Picnic Table w/ Chairs & Bench. **ANTIQUES-PRIMITIVES, COLLECTIBLES:** Lanterns; Indian Relics; Deer Mounts; Wood Eagle; Knives; Bow and Arrow; Mounted Bobcat; Ammo Shooter Box; Fishing Creel; Marlin 22 w/Scope; Cranberry Parlor Lamps; Declaration of Independence Plate; Nice Religious Pictures; Jewelry; Porcelain, China & Composition Dolls; Occupied Japan Lamp; Miniature Lamps & Other Kero Lamps; Teapots; Snow Domes; Art Nouveau Floor Lamp; Nice fruit Picture; Nice Victorian Ladies Picture; Lead Crystal Chandelier Table Lamps; Lady Mannequins; Crocks; Black Memorabilia; Red Riding Hood Cookie Jar & others; Aprons; Kitchen Scales; Campbell Adv. Pieces; Enamelware; Lone Wolf Pictures; Fish Mounts; Fishing Poles, Reels & Tackle; Moose Horn & Pheasant Mounts; Coyote Pictures; Cannon Ball; Wheel Hubs; Oil Spout Bottle; License Plates; Wood Sled; Wooden Ironing Board; Sad Iron; Comics; Ornate Wood Pieces; Spittoons; Gilbert Mantle Clock; Kitchen Step Stool; Teddy Bears; Harp; Victorian Clock by C A Nelson; Precious Moments Stuffed Dolls in orig. boxes; Quilts; Chelsea Lamp (Italy); Raggedy Ann and Andy; Linens and Fancywork; GE Radio; Galvanized Tub; Glassware; Kitchen Primitives; Meat Grinders. Mastercraft 32" Cut Riding Mower; Woodworking Tools.

SALE CONDUCTED BY: WOLTERS AUCTION
627 Market St., Box 68 • Portis, KS 67474
Cols. Jim Wolters and Rich Fairbank, auctioneers
Phone 785-346-2071; Cell 785-545-7097
Email: wauaction@ruraltel.net
Website: www.woltersauctionandreal.com

AUCTION
SATURDAY, MAY 21 — 10:00 AM
Offering for sale at Public Auction, located at
425 S. Weaver, HESSTON, KS

VEHICLES, SHOP EQUIPMENT & TOOLS
1997 Mercury Grand Marquis LS 4 door car, 141K, clean; 1978 Ford F-250 Ranger pickup, 121K, clean; John Deere LTR 166 mower with grass catcher; Toro push mower; B & D line trimmer; B & D hedge trimmer; lawn spreaders; pole saw; Campbell Hausfeld 5 hp air compressor; air tank; gas cans; grease guns; log chains; bushel baskets; post driver; Craftsman 1/2 hp bench grinder; adj. wrenches; channel lock pliers; propane torch; organizer; hand tools; C-clamps; Craftsman socket sets; battery charger; hardware; bolt cutter; auger bits; hammers; jumper cables; staple gun; John Deere paint; saws; wheelbarrow; high lift jack; hyd. jack; bars; forks; rakes; shovels; garden supplies; rope; garden hoses; 2 - Nelson tractor sprinklers; gutter cleaner nozzle; 8' & 6' step ladders; 14' wooden ladder; 26" mens bike; misc. lumber; 8' lawn windmill; sawhorses; sprinkle can; galvanized buckets; paint supplies; wood planes; toolboxes; Skil circular saw; Milwaukee drills & sander; soldering gun; oil; & more.

FURNITURE & HOUSEHOLD
Colonial Maple drop leaf end table; Oak 3 pc. Queen sz. bedroom set; full sz. bed; Oak chest-of-drawers; lg. Oak desk; night stand; end tables; Oak chairs; TV; stereo; clocks; floor lamp; magazine rack; pictures; books; Brass lamp; sewing box; quilts; wool blankets; bedding; luggage; Schwinn exercise bike; DVD player; records; Colonial style chairs, recliners & sofa; Hoover upright sweeper; 4 D battery lantern; picnic basket; dehumidifier; massage recliner; 4 drawer file cabinet; Channel Master AM-FM radio; card table & folding chairs; old maps; games; BBQ tools; twin & full bed frames; shoe stretcher; wheelchair; elec. heater; music box; camera; John Deere toy tractors; jewelry; figurines; ice cream freezer; Coleman cooler; nativity set; cake plate; glassware; vases; flatware; small kitchen appliances; blender; Tupperware; pots & pans; Pyrex; measuring cups; melamine dinner set; Early Blossom ironstone set; cups & mugs; Corning Ware; utensils; knives; mixing bowls; Copper bottom cookware; linens; Gott jug; utility cart; cassette tapes; & more.

WILBUR E. GOERTZ REV. TRUST, SELLER
TERMS: Cash day of sale. Statements made day of sale take precedence over advertised statements.

VAN SCHMIDT • Auctioneer/Real Estate
7833 N. Spencer Road, Newton, KS 67114
620-367-3800 or 620-367-2331
Schmidt Clerks & Cashiers/Lunch by: K & B Catering
www.hillsborofrepress.com



Auction Sales Scheduled

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

May 17 — Sumner County land in 3 tracts held at Wichita. Auctioneers: Gene Francis & Associates.
 May 17 — Cloud County farmland held at Glasco for Mike Loy & David Loy. Auctioneers: Thummel Real Estate & Auction, LLC.
 May 17 — Morris County

land at Dwight for Curzydlo & Thomi. Auctioneers: Hallgren Real Estate & Auctions.
 May 18 — Farm equipment of all kinds online at (www.bigiron.com). Held by Big Iron Online Auctions.
 May 18 — Tractors, combines, trucks, trailers,

pickup, farm equipment, cattle equipment, mower near Dighton for Merle & Janis Foos. Auctioneers: Berning Auction.
 May 20 — Tractors, farm machinery & antique items at Park City for Bill & Sharon Mierau. Auctioneers: Van Schmidt.
 May 20 — 240 +/- acres cropland & grass with 2 wind turbines (Lincoln County) held at Wilson. Auctioneers: Farm & Ranch Realty, Inc.

May 21 — Clocks, watches, sterling silver, collectibles, glassware, antiques A& furniture at Newton for Mildred C. Markee. Auctioneers: Auction Specialists, LLC.
 May 21 — Vehicles, shop equipment, tools, furniture & household at Heston for Wilbur E. Goertz Rev. Trust. Auctioneers: Van Schmidt.
 May 21 — Car, trailer, tractor, equipment, horse collections: bits, spurs, hames, collectibles, furniture, household, Budweiser items, vintage toys & misc. at Lawrence for Tom & Nancy Swearingen Estate. Auctioneers: Elston Auctions.
 May 21 — Real estate, 15 acres with a home & personal property held at Elmdale for property of Larry & Carol Kohr. Auctioneers: Griffin Real Es-

tate & Auction Service, LC.
 May 21 — Abilene high school carpentry class 3BR house held at Abilene for USD 435. Auctioneers: Reynolds Auction Service.
 May 21 — Tractors, trucks, semi trucks, tillage, irrigation and livestock equipment, shop items at Minneapolis for Rupert Land & Cattle Co. Auctioneers: Bacon Auction Company.
 May 21 — Caterpillar dozer, tractors, vehicles, household goods, guns, tools, collectibles, automotive tools at Beatrice, Nebraska for Don Fitzwater Family & Mike Calkin. Auctioneers: Jurgens, Henrichs, Hardin.
 May 21 — Furniture, collectibles, dolls, cookie jars, Little Red Riding Hood items & more at Rossville for Dale & Bobbi Vail. Auctioneers: Gannon Real Estate & Auctions.
 May 21 — Furniture, antiques, primitives, collectibles & misc. at Jamestown for Rosie & Harold Poirier living estate. Auctioneers: Wolters Auction.
 May 21 — 4BR, 3BA home, 80 acres at Rosalia. Auctioneers: Select Homes Auction.
 May 21 — 234.4 acres of productive cropland and pasture timber. 2 tracts in Rooks County held at Stockton. Auctioneers: J.P. Weigand & Sons Auctions.
 May 21 — Collectible & household furniture, mower, tools, & misc. items held at Onaga, KS. Morgan & the late Lila Johnson Estate. Auctioneers: Cline Realty & Auction, LLC.
 May 23 — Tractors, skid loader, pickup, truck & trailers, 4-wheeler, haying equipment & other machinery near Circleville for Willie Niehues. Auctioneers: Cline Realty & Auction, LLC.

May 24 — 9480 acres m/l in 5 tracts of Finney & Haskell counties held at Garden City. Auctioneers: Schrader Auction.
 May 25 — Harper County land held at Harper. Auctioneers: Gene Francis & Associates.
 May 25 — 732 acres Flint Hills pasture held at Eureka for Frank N Bills Living Trust. Auctioneers: Sundgren Realty, Inc.
 May 25 — Farm equipment of all kinds online at (www.bigiron.com). Held by Big Iron Online Auctions.
 May 28 — Furniture, collectibles, household & misc. at Lawrence. Auctioneers: Elston Auctions.
 May 28 — Tractors, machinery, trailers, old & collectible machinery, guns, antiques, collectibles, old car parts, antique furniture, household, toys & misc. at Hillsboro for Dan & Donna Dalke. Auctioneers: Leppke Realty & Auction.
 May 28 — Furniture, wooden duck decoys & others, household & misc., toys, antiques, primitives & collectibles at Russell for Barbara Jordan Estate. Auctioneers: Wolters Auction & Realty.
 May 28 — Cabinets, KSAC items, 100s old wrenches, tools & more at Manhattan for Albert Nielson Estate. Auctioneers: Gannon Real Estate & Auctions.
 May 28 — Toys at Salina for Bob Brooks. Auctioneers: Thummel Real Estate & Auction, LLC.
 May 28 — Trucks, trailers, grain bins, farm equipment held at Chilicothe, Missouri for Waits Farm Auction. Auctioneers: Sewell Auction Service.
 May 28 — Pickup, 4-wheeler, tractor, portable welder, tools, collectible, guns, & furniture, N. of Emporia, for the Norman Thomas Estate. Auctioneers: Hall-

AUCTION

SATURDAY, MAY 28 — 9:00 AM
 2110 Harper Dg. Fairgrounds Bldg. 21, LAWRENCE, KS

FURNITURE, COLLECTIBLES, HOUSEHOLD & MISC.

Maple dining table & chairs; modern stackable lawyers cabinet; Fountain Shop counter-top display cabinet; cherry style dresser & chest; oak coffee table & end tables; oak sideboard; oak commodes; walnut commode; walnut washstand; **wooden theater double folding seats; child's roll-top desk & chair; Mission style sofa & loveseat; Hoosier cabinet; glass front cabinets; book shelves; lamps; pictures; Cheyenne Frontier Days belt buckles; KU Jayhawk items; figurines, sports cards, die cast vehicles, yearbooks; 1956 Corvette cookie jar; Native American: Kachin's (signed), pottery (signed), dolls, fetishes, drums, turtle shells, claws; cigarette lighters; pocket knives; figurines of all kinds! **Very Large Amount Jewelry of All Kinds!**; vintage violin w/case; Thomas Kincaid **gnomes; Roseville & Hull pottery; Aldofo china set; 1000 plus 1960-70's Toys of all Kinds!** Star Wars, Tractors, Trucks! **Coins:** Morgan & Peace dollars, Eisenhower uncirculated dollars, **1970's US Proof Sets, Jefferson nickels, pennies, foreign bills/coins;** Shelby Cobra remote control car; fruit jars; large amount of kitchen décor & small appliances; high end stereo & audio equipment; Honda Harmony tiller; Weber grill; rolling tool chest; power washer; chain-saw; power & hand tools; riding lawn-mowers; push mowers; **numerous items too many to mention!****

Auction Note: Very Large Auction! Two or Three Auction Rings most of the day! Happy Trails Chuckwagon. KS Sales Tax Applies
 Please visit us online www.KansasAuctions.net/elston for pics!
 Auctioneers: **ELSTON AUCTIONS**
 (785-594-0505) (785-218-7851)
 "Serving Your Auction Needs Since 1994"

ANTIQUA AUCTION

SUNDAY, MAY 29 — 10:00 AM
 Auction will be held in Kenwood Hall at the Saline Co Expo, 900 Greeley, SALINA, KS

COLLECTABLES & TOYS
 Toys: Gragston school bus; T bird; 2 Sears trucks; musical clown & circus cars; Western Arrow locomotive; Tootsie jeep; 3 scale model cars; Mercedes sedan; Triumph TR3 coupe; 1933 Cadillac; 1964 1/2 Mustang; all above NIB; Buddy L Railway Express truck; Tootsie Army jeep; Giard side dump truck; Hallmark Murray Kiddie Car; Hubley red roadster; United Van Line truck; Fire Chief car; 6 Danbery Mint pewter cars; 1930 Tinker Toy jockey on horse; 1920 Tinker Toy Twins (Tom & Belle); Hubley airplane; cast iron horse & buggy; 6 tops; Ohio Art (1942 sand toy, sprinkling can, 3 sand pails); Howie canon w/peg ammo nib; Marx typewriter; horse bell toy; cast iron Arcade rake & plow; Kent cast iron stove; Chain drum; Hubley Colt 45 10" gun; other cap guns; 2 wind up robots; Arcade, Kilgore, Tootsie Toy doll house furniture; 3 carnival canes; 4 German noise makers; Favorite Funny's print set; sweeper pull push toy; child's Casige sewing machine; Unique Galloping Goose; Games (American baseball, Model shooting gallery w/gun, 1933 2 piece Uncle Wiggly board games; Tiddley Winks; 2 Lone Ranger hand games; Popeye hand game; Black Out hand game; Popeye pipe toss game); **Halloween** (small German Jack O Lantern, large black cat jack o lantern, large cardboard jack o lantern, small black cat candy container & others, Witch tambourine noise makers board games; pull out black cat; cat & witch fun game in box; 1920 mint Halloween napkin; small jack o lantern; mint cups; black cat & skull horns; devil hand puppet; devil mask; assortment plastic Halloween candy containers; 16 Halloween cards; plastic jack o lanterns); **Christmas** (3' feather tree; 2 rare German Dugal ornaments; old Christmas rock; 1980 tin Chain Santa; 1981 tin Chain Mrs Santa; papier mache Santa; Father Christmas on board; rubber Santa; plastic Santa in sleigh w/rein deer; Angel tree topper mib; bubble lights; 12 figural bulbs; old candle holders; 3 wise men candle holders; old tree lights; white & red ceramic Christmas tree; Swedish wooden candle centerpiece; 50's colored aluminum Christmas items; several boxes ornaments; red tree topper; 8 Christmas cards; 2 Anna Lee Christmas elves; Santa plastic candy containers; Christmas card place setting; Stiefel Santa Toy book; 1952 BF Goodrich Christmas catalogue); Easter (tin biscuit box; large papier mache egg candy container; chicken in cage; large papier mache rabbit candy container; small papier mache rabbit candy container; large rabbit bobbing head candy container; 2 stand up rabbits on boxes; tin Easter basket; large wooden rabbit pulling cart; plastic rabbit on wheels; several plastic rabbits; Easter candy containers; 8 Easter cards); **Thanksgiving** (papier mache turkey; 2 pilgrims; small set pilgrims & turkey; 8 Thanksgiving cards); **Patriotic** (Betsy Ross w/flag & allegiance tin box; sparkler toy on board; all American tin file; large Uncle Sam pencil w/cap; centennial 1976-1926 pencil w/bell top; Betsy Ross ceramic pin cushion w/tape measure; 1980 Sam ceramic eagle; Uncle Sam Jr. saving bank & clock; red white & blue horn; 2 German red, white & blue noise makers; 4 flags; 3 paper fans; 8 patriotic post cards; lady fingers fire crackers); **Candy containers** (8 glass small lantern, telephone, locomotive, Charlie Chaplin, donkey w/man & cart, sitting rabbit, car); Ford promo cars (57 T Bird convertible, 63 T Bird, 64 T bird, 63 Fairlane station wagon, 72 Grand Torino, 57 Chrysler Plymouth car, Ford Ranchero, 66 Comet Cyclone); Ford emergency kit; 2 Walt Disney school buses; Ohio Art school box; KC Royals bobble head; KC Chief bobble head; Desert Storm trading cards; KC Athletics celluloid baseball player; small blue bird clock; whiskey gig; football cards; 1934 Dazy Dean bat & glove; 1925 Ford model A decanter; 1976 Bicentennial decanter; Cracker Jack tin prizes; advertising pens & pencils; **post cards** (Halloween, Christmas, Patriotic, Easter, Thanksgiving, others); 15 pc Queen Mary tea set in box; large glass jar from Lowe Drug store; wooden duck decoy on stand; large globe; children's books (1909 Kelloggs Funny Jungleland moving picture book rare, 4-1922 Thornton w Burgess, Jerry Muskrat, Unc Billy Possum, Peter Rabbit, Buster Bear Old Mr. Toad, 5 Uncle Wiggly & friends mib, 3 Little Pigs, The Three Bears, 2 Little Red Riding Hood); Banks (1929 Popeye dime, cast iron US Mail, Baseball, Plymouth Rock Farmers National Bank, Chain 1930, Prosperity penny, Hershey, small cast iron turkey, small cast iron camel, 12 tin oil advertising, Save-O-Clown mib, tin Dodge, small cast iron turkey, cast iron small camel); Salina memo: (3 license tags, City on the Move, Wagons to Wings, Hotel Warren; Sid Oil match safe; State Street Grocery sifter; ash tray; Indian Burial; Weeks; Big Johns; Wadell; F Wyatt Mfg Co framed advertisement; Sid Bacon calendar; Home Grocery Market 249 N. Santa Fe adv in frame; Indian Burial Ground pennant; Salina Rug Factory fly swatter; Salina Co. Emergency Corp badge; 3 Salina Ice Co picks; many other); Daisy 4 qt churn; 2 pewter ice cream molds; wood butter press; Dutch girl grocery list; 15 piece granite ware set; wooden bowls; 13 piece red handle table ware; 7 red utensils; red handle cookie cutters; wooden utensils; long handle metal cop corn popper; 12 1930's tea towels new; other fancy work; white wicker shoe shine kit; crock cookie jars; other collectables.

Note: Check our web site for pictures at www.thummelauction.com. This is a very nice individual collection.

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

May 29 — Collectibles & toys at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.
 May 30 — Signs & advertising, toy trains & collectibles at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.
 May 30 — Harley Gerdes 23rd Annual Memorial Day consignment auction at Lyndon. Auctioneers: Harley Gerdes Auctions.
 May 31 — Saline County cropland held at Salina for Norman Tillberg Estate. Auctioneers: Omli & Associates, Inc.
 June 1 — Tractors, combine, headers & grain cart, trucks, trailers, farm equipment near St. John for Kelly Crissman Estate. Auctioneers: Carr Auction & Real Estate, Inc.
 June 2 — 226.7 acres m/l of Marion County cropland sold in 2 tracts held at Burns for Helen E. Becker Revocable Trust. Auctioneers: Griffin Real Estate & Auction Service, LC.
 June 2 — 440 acres m/l Jackson County land held at Holton for Adam, Jr. & Ruthann Nocktonick Trust. Auctioneers: Kellerman Real Estate.
 June 4 — Real estate & sod growing equipment, truck skid loader, shop tools, welders, etc. at Rossville for Matt & Janell Campbell. Auctioneers: Cline Realty & Auction, LLC.
 June 4 — Tractor w/loader, Bug Hog, go carts, guns, rifles, tools mowers, furniture, handicap items & more at El Dorado for Curtis Lynes Estate. Auctioneers: Chuck Korte Real Estate & Auction Service, Inc.
 June 4 — 3 BR home, appliances, furniture, collectibles, sports memorabilia & McDonalds items, guns & hunting, tools & yard & misc. at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.
 June 4 — Guns, cars, trucks, tools & lawn mowers, collectibles & other at Salina for Corkie Youngdahl Estate. Auctioneers: Thummel Real Estate & Auction, LLC.
 June 4 — Real estate & personal property at Minneapolis for Leanna Crist. Auctioneers: Wilson Realty & Auction Service.
 June 11 — Pickup, tractor, machinery, tools & lawn equip., antiques, household & office equipment at

WEIGAND AUCTIONS

234.4 ± Acres
Rooks County, KS

PRODUCTIVE CROPLAND - PASTURE
TIMBER - GREAT LOCATION

Saturday, May 21st @ 10:00 a.m.

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90-drawer wood cabinet (some KSAC drawer pulls); 2 18-drawer KSAC cabinets; 2 24-drawer KSAC cabinet; large 2-door painted pine cabinet; 3 mailbox storage cabinets; wooden 2-door cabinet; Early 1900's wooden work bench; 6 metal lockers; primitive cabinets; metal & commercial shelving & pegboard; white metal cabinet; folding table; metal shelves; lighted primitive cabinet; miscellaneous cabinets; **KSAC ITEMS including** waffle iron, milk bottle, paperweights, watch fobs, screwdriver, ashtrays, foundry iron door; wooden KSAC molds of all types; Royal Purple yearbooks 1906, 1911, 1926, 1928, 1933, 1940, 1945, 1947, 1948, 1949, 1958 & 1976.

NOTE: Impossible to list everything! Thousands of fun collectables & tools. Pictures on website. LUNCH BY KEATS UNITED METHODIST CHURCH

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Helpful tips for managing the home landscape

Chester, Nebraska for Foote Service & Charles Cleveland Estate. Auctioneers: Novak Bros. & Gieber.

June 11 — 3BR home, furniture, appliances, glassware, collectibles, yard & tools & misc. at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

June 18 — Real Estate & collectibles at Waterville for Earl & Helen DeWyke Estate. Auctioneers: Olmsted & Sandstrom.

June 18 — Machinists and mechanics tools, car parts, shop supplies, boat & misc. at Wamego for Bob (Linda) Lada Estate. Kretz & Bloom Auction Service.

As we get deeper into spring, our attention will likely turn to making our lawns and gardens look their best. Anyone who has done yard work probably knows that a well-manicured, green lawn is not going to happen by itself. Luckily, Raymond Cloyd, professor of entomology at Kansas State University, has helpful tips for properly managing home lawns and gardens, particularly when it comes to controlling insects and other lawn-dwelling creatures.

Cloyd said one of the biggest dangers lurking for landscapers are eastern tent caterpillars, which are

common throughout Kansas. "One of our earliest caterpillar defoliators we encounter is the eastern tent caterpillar," said Cloyd, a pest management specialist with K-State Research and Extension. "Although it is still a bit early, we should be aware. As soon as anything in the Rosaceae family — such as crabapple trees — starts to leaf, you will see nests at the crotch of the trees. What is in these nests are the larvae of these caterpillars."

When the caterpillars begin feeding, he said, it causes stress to the plant that can negatively affect its appearance and overall health. The caterpillars are active during the day and return to the nest at night; therefore, they should be removed quickly — during the night preferably — to minimize possible damage.

Cloyd recommends knocking nests off the tree and breaking them up with either a stick or a rake, which would allow birds to easily eat the larvae. There aren't preventative measures to control the eastern tent caterpillars, only reactive measures.

In addition to the crabapple, other trees in the Rosaceae family that could be impacted by eastern tent caterpillars include plum and pear trees.

Unlike eastern tent caterpillars, bees are a positive insect to have living around lawns and gardens, but currently, honeybees, bumblebees and other native bees are under a lot of stress due to habitat loss, lack of diversity, farming systems and pesticides, Cloyd said.

He stressed the importance of preventing pesticide drift on plants that are

visited by bees.

"One of the most toxic materials is Sevin, which is a broad-spectrum insecticide," the entomologist said. "If you are going to use Sevin, make sure to avoid using it where bees are due to it being extremely toxic to that order of insects (Hymenoptera)."

It is best to not spray when the bees are active — above 55 degrees Fahrenheit for honeybees and 40 F for bumblebees, he said, adding that it's also important to not spray plants in bloom, which attract bees. In addition, try not to spray on a windy day to minimize the possibility of unintentional drift. Spraying early in the morning will minimize the possibility of direct contact with the bees, as they are not active at that time.

"It is important to keep these things in mind, because without the bee we are going to have a restricted diet," Cloyd said. "Many crops are almost completely pollinated by bees."

A less-talked-about aspect of insect control, he said, is proper sanitation throughout the growing season. Many insect species, such as the squash bug, will winter in various debris and weeds. These insects often bore into the ground. By removing debris in the lawn or garden from last year, peo-

ple can reduce the likelihood that these bugs will become a problem in the spring and summer.

K-State Research and Extension Entomology has a newsletter that runs into November, which provides timely information on common garden and field crop pests. It is available online

at <http://www.entomology.k-state.edu/extension/newsletter>.

More information is also available at local Extension offices throughout Kansas or through K-State Research and Extension's Master Gardeners, who are trained to answer lawn and garden questions.



Tate Crystal, Uniontown, showed the reserve champion commercial ewe at the 2016 Flint Hills Classic Spring Livestock Show in Eureka. Shannon Scotten judged the event.

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AUCTION

SATURDAY, MAY 21 — 9:30 AM

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Beautiful fancy Oak corner china cabinet, 2-door, with carving (very very nice); Claw foot round Oak table & 4 chairs; fancy Oak buffet with mirror; Oak curved glass china cabinet; Oak corner cabinet (newer); Oak 2-door cabinet; Oak curved glass china cabinet; 4 Oak pattern back chairs; Bentwood butter churn; cedar chest; small display case; 2 Oak chairs; child's trunk.

Over 100pcs old RS Prussia & RS Germany including chocolate pots, cookie jar, chocolate set, hatpin holders, plates, bowls, creamers, sugars, cracker jar, cider pitcher, 3 handled toothpick, relish trays, berry set (scenes-mill & steeple, floral, sheep herder & other patterns); large Royal Bayreuth vase; large Warwick portrait vase; 2 Royal Bayreuth vases; 2 Rose tapestry creamers; Collection of 24 Napkin Ladies some with S&P; cranberry hobnail pitcher; Dame Nancy tumbler; 5pcs Sabino; coin dot cranberry vase; cracker jar; cruets; syrup pitcher; baskets-millifora, Fenton, Vaseline, opalescent, cranberry; Fenton cranberry fluted bowl; 2 Phoenix vases; Lenox vase; 10 paperweights; 7 Lady head vases; Fenton Burmese vase; Royal Doulton lady figurines; Candlewick punch bowl set; Rosepoint creamer, sugar, mayo set; Muffinere (shaker); 34 bells; 20 cups & saucers; egg timers; etched stemware; Austria moose pitcher; candleholders; 3pc cranberry dresser set; cranberry fern pattern fluted vase; Victorian lady picture; 4 dark green canister jars; salt & pepper collection including noddars, Shawnee Puss 'n Boots, Smiley, Mugsey, owl, chef & many others; candlewick bowl; old Ivory creamer & sugar; butter pats; salt dips; shaving mugs; jadeite S&P; Tweety & clown figurines; toothpick holders; 51pc 8pl set Czechoslovakian china; blue fluted Brides basket; Kate Greenaway 11pc tea set; Hiesey salt dips; etched rose pitcher, creamer, sugar & dish-

basket; dresser trays; German baby dishes; satin peach blow pitcher; Parker ware cake set; pie birds; Humpty Dumpty cup; Joe Montana Chiefs ornament; green depression cookie jar; German bowl; several handmade Sunbonnet Sue & other quilts; **Little Red Riding Hood** cookie jar, coffee canister, large & small salt & peppers, marmalade with spoon, small creamer, flower containers; **Cookie Jars**-Little Red Riding Hood, Red Wing, Shawnee clown, Shawnee drummer boy, Smiley the Pig, Puss 'n Boots, Mugsey, large Aunt Jemima; Shawnee Howdy Jody bank; Shawnee Charlie chicken pitcher; Shawnee gray teapot; Shawnee Dutch Boy & Girl; 2 Little Red Riding Hood items; large banquet lamp; 4 kerosene lamps; cranberry peg lamp; Aladdin green font lamp; Alacite Lincoln Drape Aladdin; Aladdin pink font; Gone With the Wind lamp; Fenton Special Limited Edition pink Aladdin lamp & shade; Fenton coin dot cranberry hanging lamp; 3-1905 tin portrait plates; Collection of 114 pocketknives (most are Case); 61 fountain & Ever-sharp pens; old marbles; Oak clock; Thomas Kincade 'The Forest Chapel' framed print; old cast iron banks-2 horses, cow, lion, pig, bulldog, elephant, 2 buildings; 2-3-5 gallon Red Wing Cocks; Sponge ware chamber pots; 2 Watt pitchers; 5 Sleepy Eye pitchers; Sleepy Eye sugar bowl & creamers; 2 old yard long pictures (Dogs & Chicks); copper boiler; rope maker; painted cross-cut saw; cream can; 2 child's sleds; Barb wire collection; colored fruit jars; 3 Dazey churns; milk bottles including cream tops with spoons & 2 KSAC bottles; Stanley #45 & #55 wood planes with extra bits; 6 Historical Kansas belt buckles; gold rim stemware; soup bowls; Aunt Jemima memo pad & Grocery list pieces; 9pcs Aunt Jemima & Uncle Remus F&F plastic including cookie jar, syrup, creamer & sugar, salt & pepper. Many more items!

NOTE: Dale & Bobbie have collected quality items for years. This is an outstanding Auction.

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pair kits; cleaning cloth tins; oil cans; banks.

TOY TRAINS & COLLECTIBLES
Trains O: locomotives (681, 671, 736,246, 1688, 2682, 2543-2358, 629, 630, 8111, 6465, 9303, 6059, 283, 2020, 675, 2025); American Flyer set 1934; Lionel 2436, 2432, 2434; Burlington 2328; Lionel 1655, 1666E set 1937; Marx M10005 set; Lionel cars (6414 auto loader "gray bumpers", 2532, 2533, 2534, 2531, 6057, 6045, 6415, 3472, 3482, 3386, 2454, 6464, 2460, 6650, 490, 7707, 9366, 7809, 9368, 9383,) Marx (6000-6000, 666, 999, 702,, 237, 400); 2343, 8155, 8156, 8801, 3419, 6801 boat, American Flyer Gang car, 2430, 1680, 1682, 2682, 1679, 2680, 6560, 2560, 8902, 2025, 666,813 green roof 222, 238, 2037, 8632, "transformers"; 150 watts V-W; 275 Watts Z-W; 4-90 watts 1033; 5601 cleaning car, 50 other cars; Lionel Train Master Command set 6-12969; Santa Fe 5018 N scale new; Franklin FY 88-P American Flyer 027; American Flyer 21105 set; Pennsylvania Fire 8379; UP 8002 sets; Marx 666 set; Lionel 9366; Rail King 4503; Lionel 6424 lifeguard boat; Rail King 174020; Lionel (9205, 9811, 9367, 9419, 5733); Christmas trains; new old stock in boxes; cast iron trains; 4 windup trains; Section Gang #50; operating switchman; town set; train parts; farm sets; crossings; switches; many accessories; tunnels; bridges; towers; signal lights; **HO scale:** Montgomery Ward 25, Gandy Dancer; 6206, 638, 1120, John Deere set, Army supply train 500, 4866, 1776, 1639, 34, 1257, 3415, 3217, 265, 3443, 307, 866, 6067, 2007, 3901, 4441, 2418; O & HO fast track; railroad post cards; railroad date nails (Santa Fe, other); wire; books (Lionel 1952; Santa Fe System Standards 1,2,3; 30 train); dominos; older Lionel boxes; train lanterns; 3 drawings of drains by Theodore A. Karas; drawing by "Boss" 1927 Morland, Ks no 105; **Collectibles:** 1800's Rockingham pitcher hound handle; copper still; pictures inc.: 3' artillery camp, 1918 Zachary Taylor; Kansas car tags; airplane propeller; Kellogg wall telephone; mantel clock; 1920's bank coin counter; adding machine; scales; assortment books inc.: Big Little, Wyatt Earp, Roy Rogers, Kit Carson, Tom Sawyer, many other; farm machinery repair parts books; 100 movie posters inc. Cad-dyshack, Pretty Woman, Spider Man; 1893-1899 Youths Companion; 1893 Ladies Home Journal; post cards; pocket ledgers; western calendars; catalogs; tins; bottles; cow butter mold; child's ice cream table & chairs; duck decoys & calls; hunting knives; shotgun boxes; watches; religious items; wooden plane; sad irons; buttons; jars; cameras; milk crate; Rugger pistol BB gun; cigar boxes; marbles; Toys inc: Heinz Metalcraft truck 1932; Hublely "Phaeton"; Schuco Examicio 4001 BMW; Popeye celluloid windup; Highway truck wood; salesman sample violin; France paper dolls; Donald Duck; Hon-eymoon Express; lead soldiers; Lumar Army truck; Nylint grader; Lehmann German Cableway nib; Ohio Art bucket; Tonka trucks; Fisher Price; Match Box; farm toys; scooter; Dipsy Doodle Bug; Tootsietoy; Hasbro; Hot Wheels; Pez's; assortment of other toys & collectables.

Note: Check our website for pictures at www.thummelauction.com. This is a 2 person private collection. The train collection is over a 50 year collection.

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
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The trend toward cage-free eggs is based on misinformation

More than 100 companies purchasing eggs now are demanding their sources produce cage-free eggs. The idea of chickens roaming about, scratching in the dirt, elicits an idealistic thought that it leads to better animal welfare and better quality eggs. The National Association of Egg Farmers wants consumers to know that this is simply not true.

Not more humane - Removing chickens from cages, where they have been for decades, will lead to issues with more chickens dying. Chickens establish a "peck-

ing order" among those in their group. Imagine a flock of thousands of chickens establishing a pecking order among themselves. Those lower on the pecking order are pecked more often. This is minimized in a cage environment where only a few birds are placed.

Food safety concerns - Cage-free eggs are more likely to be contaminated with bacteria due to prolonged exposure from litter and manure in the nest boxes or on the ground. The most recent Salmonella enteritidis (a food-borne

pathogen) outbreak linked to eggs comes from a cage-free farm in Lebanon, Ohio. A recent Food and Drug Administration warning letter was issued to a cage-free egg farmer in Missouri. Yet the narrative that cage-free chickens produce a better quality egg gains traction because few are exposing this false premise.

Farm workers adversely affected - As for the workers in cage-free barns, the amount of dust, which can transmit pathogens, inside the barn represents a health risk to farm workers, and

the need for workers to collect floor eggs creates ergonomic challenges, too.

Fewer egg farmers - Farmers want to please their customers and so there will be more cage-free farms built, but the smaller farmer will struggle with the estimated costs of \$40 per bird for the labor, building, feeders, waters, and nests in their cage-free barns. The larger egg farmers will build these structures and increase their market share as the smaller farms cannot compete and simply quit the business. The end result will be fewer, but larger farms producing eggs.

Source: Ken Klippen, President, National Association of Egg Farmers (Offices in Philadelphia and Washington, DC) www.eggfarmers.org, 610-415-1055



BAXTER BLACK

ON THE EDGE OF COMMON SENSE

I danced with another woman tonight
My wife didn't seem to mind.

We took to the floor like a pair of swans
That fate forever entwined.

Leaving our wake through the dancers who flowed
Like notes in search of a song

We tested our two step, tried out a waltz
and laughed when something went wrong!

I led and she followed, trusting each step,
Spurred by the beat of the band

Like birds taking wing the very first time,
It helps... to hold someone's hand.

Although I had known this woman before
I'd thought of her as a child

But there on the dance floor, arm 'round her waist,
I found my heart was beguiled.

For her a window had opened.
I was there,
I'm eternally glad.

The rest of my life I'll remember
The first night she danced with her dad.

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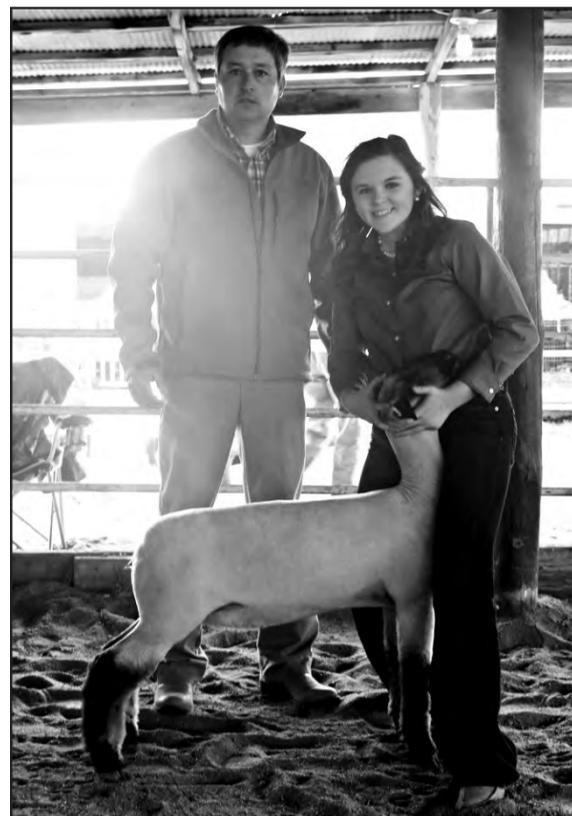
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Kansas students invited to enter Happy Birthday, Kansas! photo contest

Second grader Morgan Nabus of Junction City was so inspired by farming he

watched in his community, he captured a photograph of a farmer working on an im-

plement. Morgan's photo received first place in its category last year in the Happy Birthday, Kansas! photo contest. He won an iPad for his work. Morgan's was one of approximately 250 contest entries and he was one of 24 students to receive awards.



Judge Shannon Scotten selected the entry shown by Jillian Keller, Iola, as the reserve champion market sheep at the 2016 Flint Hills Classic Spring Livestock Show held in Eureka on May 1.

For the third year, students will have the opportunity to photograph activities that inspire them and enter that work in the Happy Birthday, Kansas! photo contest. This year's theme is Making a Difference in Your Kansas Community.

L.W. Halbe was an early 20th century student who made a similar impact in his community. With a small box camera, the 15-year-old captured photos of Dorrance and left a remarkable pictorial history, which is preserved at the Kansas Historical Society. Today's young photographers are encouraged to make similar contributions to provide a permanent record of the activities they find important.

The contest, for first through 12th grade students, will be held August 1 through November 1, 2016. Winners will be announced as part of the state's 156th birthday commemoration at the Kansas State Capitol on January 27, 2017. Twelve first place and 12 second place prizes will be awarded. First place prizes are iPads; second place prizes are Kindles. For more information and a complete list of contest rules, visit happy-birthdayks.org.

The contest is sponsored by the Kansas legislative spouses in conjunction with the Kansas Historical Society.

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Left uncontrolled, weeds would cost billions in economic losses every year

Imagine that weeds were left to grow uncontrolled in corn and soybean fields across North America. That scenario would cut U.S. and Canadian yields by about 50 percent, resulting in \$43 billion in annual economic losses to those two crops alone, according to a new study.

The research, conducted by the Weed Science Society of America and led by Kansas State University professor Anita Dille, spanned seven years from 2007 to 2013. Details about the study are available at <http://wssa.net/wssa/weed/croploss/>.

"We were interested in trying to understand just how much impact weeds still have on our crops. Despite the great improvements we have in crop genetics and fertility, we're still having to manage weeds," Dille said, noting that weeds compete with crops for everything from sunlight to moisture to nutrients in the soil.

The WSSA is a professional organization of scientists from universities, industry and government agencies across the United States and Canada who are interested in weed science. Dille chairs the WSSA's weed loss committee.

"What we saw in corn is that we'd lose over half of our yield if we didn't man-

age those weeds - a 52 percent yield loss," Dille said. "And in soybeans, almost the same - 49.5 percent total yield loss on average."

The United States leads the world in both soybean and corn production, while Canada ranks 7th and 11th, respectively, according to the United Nations Food and Agriculture Organization.

"We wanted to document that weeds were still a significant pest to manage, that we need to maintain all the different weed control practices that we have. There's a lot of pressure on the industry to say, 'Hey, stop doing this or that.' We wanted to highlight that these weeds are still so important and that we need to come up with every option that we can to manage them."

A recent dramatic reduction in research funding for weed management in crops is a trend she and other scientists find disturbing.

Weed scientists conduct a number of weed control studies each year. Dille said, so the WSSA team asked them to provide the yield data from corn and soybean trials, specifically the untreated plot yield, and yield from plots with their best weed control methods. The team looked at the yields from both and took the difference to calculate how much yield loss hap-

pened. "So, the idea," she said, "was they did everything right to produce their best crop - their best seed, they fertilized it, they irrigated it - whatever they needed to do, but they just didn't control the weeds in the untreated plots, so we could see what kind of yield loss impact that would have."

In comprising the WSSA report, the scientists used data from these trials, plus the U.S. Department of Agriculture's National Agricultural Statistics Service and Statistics Canada on how many acres were harvested of those crops and the value of the crops over the years studied to determine the total potential impact of weeds on the crops.

Dille likes to break weed management into four categories:

Chemical weed control - herbicides.

Biological - in some crops, insects will eat certain weeds and in others, livestock grazing helps, but those methods don't work in row crops.

Cultural - narrow row crop spacing (to limit the area where weeds can develop) or fertilizing just the crop and not the weeds are examples.

Mechanical - Tillage is sometimes used before the crop is planted or after it's established.

Dille recommends crop producers identify exactly what weed species are a problem on their farm, and to use more than one strategy to control them.

"Weeds are smart. They keep figuring out how to survive whatever we throw at them," Dille said, including altering their genetic make-up to tolerate some herbicides. "The reason some people ended up with herbicide-resistant weeds is that they often used a really good product over and over again and the weeds weren't exposed to other control practices. If we change it up, keep the weeds on the defensive, then they potentially won't become resistant because we've controlled those resistant ones with a different technique."

Know what your weed species is, she advises. When does it come up? How fast does it grow? How long does it compete with the crop?

"Once we know about their biology, then we can design and pick the best practices to go after the plants before they're a problem," she said, adding that many resources are available to help producers identify weeds, including online fact sheets and publications with photos. "County Extension agents and university faculty and Extension specialists are ready and will-

ing to look at pictures or specimens to determine what plant a grower has."

The WSSA researchers are planning to release similar reports across winter and spring wheats, grain

sorghum, vegetable crops, rice and cotton.

A video of an interview with Dille is available at https://www.youtube.com/watch?v=F4R_AP4LKGU.



The champion breeding doe at the 2016 Flint Hills Classic Spring Livestock Show in Eureka was shown by Mindy Cook, Hutchinson.

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<p>All classes of steers & heifers offered on our sale Friday, May 13 were finding a good demand at steady to \$5 higher prices. Cull cows were selling from steady to \$3 lower on a large offering.</p> <p>STEER & BULL CALVES - 300-550 LBS.</p> <table border="0" style="width: 100%;"> <tr><td>Westmoreland</td><td>3 blk</td><td>310@228.00</td></tr> <tr><td>Westmoreland</td><td>8 blk</td><td>343@222.00</td></tr> <tr><td>Westmoreland</td><td>7 blk</td><td>365@217.00</td></tr> <tr><td>Beattie</td><td>5 blk</td><td>378@213.00</td></tr> <tr><td>Oskaloosa</td><td>8 blk</td><td>425@211.00</td></tr> <tr><td>Soldier</td><td>8 Red Angus</td><td>425@210.00</td></tr> <tr><td>Allen</td><td>3 blk</td><td>411@210.00</td></tr> <tr><td>Randolph</td><td>3 blk</td><td>381@206.00</td></tr> <tr><td>Oskaloosa</td><td>7 blk</td><td>465@205.50</td></tr> <tr><td>Soldier</td><td>8 xbred</td><td>496@203.00</td></tr> <tr><td>Corning</td><td>5 blk</td><td>445@200.00</td></tr> <tr><td>Onaga</td><td>4 blk</td><td>506@197.00</td></tr> <tr><td>Silver Lake</td><td>3 blk</td><td>475@195.00</td></tr> <tr><td>Cummings</td><td>9 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<tr><td>Burns</td><td>4 blk</td><td>598@167.00</td></tr> <tr><td>Silver Lake</td><td>7 blk</td><td>588@166.50</td></tr> <tr><td>Meriden</td><td>4 blk</td><td>692@163.00</td></tr> <tr><td>Burns</td><td>7 blk</td><td>659@159.50</td></tr> <tr><td>Clay Center</td><td>3 blk</td><td>645@158.00</td></tr> <tr><td>Blaine</td><td>3 Angus</td><td>738@152.50</td></tr> <tr><td>Basehor</td><td>3 bwf</td><td>778@147.50</td></tr> <tr><td>Cummings</td><td>9 xbred</td><td>819@145.50</td></tr> <tr><td>Cummings</td><td>9 xbred</td><td>908@138.50</td></tr> <tr><td>Leavenworth</td><td>7 blk</td><td>997@129.50</td></tr> </table>	Westmoreland	3 blk	310@228.00	Westmoreland	8 blk	343@222.00	Westmoreland	7 blk	365@217.00	Beattie	5 blk	378@213.00	Oskaloosa	8 blk	425@211.00	Soldier	8 Red Angus	425@210.00	Allen	3 blk	411@210.00	Randolph	3 blk	381@206.00	Oskaloosa	7 blk	465@205.50	Soldier	8 xbred	496@203.00	Corning	5 blk	445@200.00	Onaga	4 blk	506@197.00	Silver Lake	3 blk	475@195.00	Cummings	9 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Corning	5 blk	445@200.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Onaga	4 blk	506@197.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Silver Lake	3 blk	475@195.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Cummings	9 xbred	488@191.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Meriden	5 blk	433@190.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Allen	3 blk	511@186.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Soldier	18 Red Angus	563@195.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Enterprise	8 blk	608@179.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Basehor	5 blk	588@178.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Enterprise	5 blk	679@176.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Basehor	12 blk	662@176.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Olsburg	6 blk	576@168.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Burns	4 blk	598@167.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Silver Lake	7 blk	588@166.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Meriden	4 blk	692@163.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Burns	7 blk	659@159.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Clay Center	3 blk	645@158.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Blaine	3 Angus	738@152.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Basehor	3 bwf	778@147.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Cummings	9 xbred	819@145.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Cummings	9 xbred	908@138.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Leavenworth	7 blk	997@129.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Westmoreland	5 blk	332@192.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Westmoreland	4 blk	356@185.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Cummings	5 xbred	429@183.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Soldier	11 Red Angus	454@182.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Randolph	3 xbred	395@175.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Allen	8 blk	450@173.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Westmoreland	3 blk	466@173.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Soldier	3 xbred	441@171.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Soldier	10 Red Angus	548@170.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Beattie	3 xbred	371@170.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Onaga	6 blk	523@169.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Corning	3 blk	490@166.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Basehor	6 blk	537@160.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Soldier	3 blk	583@162.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Basehor	10 blk	618@154.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Meriden	9 blk	619@152.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Cummings	5 xbred	608@150.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Spring Hill	7 blk	629@146.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Waterville	3 Char	686@143.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Clay Center	5 xbred	706@141.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Waterville	6 Char	810@140.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Junction City	1 Hereford	770@137.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Alma	3 xbred	958@134.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Junction City	1 Hereford	825@121.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Randolph	1 xbred	1115@120.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Wheaton	1 blk	910@118.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Goff	1 blk	1280@118.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Strong City	1 xbred	1080@116.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Leonardville	1 blk	1025@115.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Olsburg	5 blk	1034@112.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Manhattan	1 blk	1295@111.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Goff	1 blk	1185@106.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Lincolnvill	1 blk	880@88.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Randolph	1 xbred	1405@84.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Clay Center	1 blk	1230@82.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
Tonganoxie	1 blk	1875@81.00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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St. George	1 blk	1375@76.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Alma	1 blk	1270@74.50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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CONSIGNMENTS FOR MAY 20:

53 blk str & hfrs, 3 rds shots, pinkeye & poured, 475-650 lbs.

20 choice OCV Red Angus 1st calf heifers w/3 week to 60 day Angus sired calves by side

20 Holstein steers, 2 rds shots, 500-550 lbs.

8 blk & red fall bred cows, bred to blk bull for fall calvers

VISIT US ON THE WEB FOR DAILY CONSIGNMENT UPDATES AT WWW.MCCLIVESTOCK.COM

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

Kansas Hay Market Report

Hay trade activity slow, with spots moderate. Demand moderate for grinding alfalfa, pellets, dairy alfalfa and grass hay. The rain that fell in the previous weeks has really helped the Kansas hay crop. According to the USDA Drought Monitor, the D1 (moderate drought) category has been eliminated and the D0 (abnormally dry) category has been reduced by 76%. The alfalfa is looking good and some folks are starting to bale. The NASS Kansas Crop Progress and Condition report for the week ending May 8, 2016 stated that pasture and range conditions rated 0 percent very poor, 3 poor, 30 fair, 60 good, and 7 excellent. The 2016 Kansas Wheat Tour took place recently and reported higher-than-expected yield estimates. If you have hay for sale, pasture to rent or need hay and/or grazing, use the services of the Hay and Pasture Exchange: www.kfb.org/commodities/haypasture/index.html

AUCTION CALENDAR

SATURDAY, JUNE 4 — 10:00 AM
CURTIS LYNES ESTATE AUCTION
 904 SE Pioneer Rd — El Dorado, Kansas

1 1/2 mi east of El Dorado on Hwy 54 to Pioneer Rd

Selling Kioti modLK3054x7 tractor w/KL1231 loader, modKB2376 rear mt backhoe; Rhino 5' bush hog; 8N Ford w/weak motor; 2 Go Carts Hammerhead & Yerf Dog; 1984 Honda Gold Wing motorcycle, 11K act. mi runs & looks good; 1995 Geo Tracker 4x4, 43K mi; '04 Diamond Workhorse dump trailer 10'; Guns inc: WW2 Springfield M1 Garand auto army rifle & Bayonet; 30-06 scoped rifle & others; 12 ga & 22 long rifle ammo; Tools; Mowers; Furniture; Handicap items & more.

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CHUCK KORTE REAL ESTATE & AUCTION SERVICE, INC.
 Augusta, KS — 316-775-2020

Southwest Kansas

Dairy alfalfa, grinding alfalfa, alfalfa ground and delivered steady. Movement moderate for all hay types. Alfalfa: Horse, small squares 220.00-250.00. Dairy, .85-.95/point RFV, Supreme 150.00-180.00, Premium 140.00-170.00, Good 120.00-160.00. Some new crop dairy alfalfa contracted at 85.00, standing in the field. Stock or Dry Cow alfalfa, old crop, 80.00-100.00. Fair/Good grinding alfalfa, old crop, 70.00-85.00, 90.00-105.00 delivered locally, some new crop grinding alfalfa contracted at 90.00, first cutting, in the corner. Ground and delivered locally to feedlots and dairies, old crop, 95.00-120.00. The week of 5/1-5/7, 9,542T of grinding alfalfa and 556T of dairy alfalfa were delivered. Straw, good, small squares 5.00/bale. Corn stalks, ground and delivered 80.00-85.00. Oat hay, 80.00-90.00 delivered locally. Cane or BMR Sudan, none reported.

South Central Kansas

Dairy alfalfa, alfalfa pellets, alfalfa ground and delivered, grinding alfalfa, steady, movement moderate. Alfalfa: Dairy, .70-.95/point RFV, Supreme 130.00-175.00, Premium 125.00-170.00, Good 110.00-150.00. Stock cow alfalfa, 120.00-140.00. Fair/Good grinding alfalfa 55.00-75.00, 80.00-95.00 delivered locally. Ground and delivered locally to feedlots 100.00-115.00. The week of 5/1-5/7, 4,509T of grinding alfalfa and 912T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 145.00-155.00, 17 pct protein 155.00-165.00, Dehydrated 17 pct 235.00. Grass hay: bluestem, mid squares none reported, large rounds 60.00-70.00. Corn stalks, ground and delivered 55.00-65.00, Oat hay, none reported. Cane or BMR Sudan, none reported.

Southeast Kansas

Alfalfa, brome, prairie hay steady, movement moderate. Alfalfa: Horse or Goat, mid squares 250.00-265.00, small squares 265.00. Dairy and Stock Cow .80 to 1.00/point RFV. Good grinding alfalfa 80.00-85.00. Grass hay: bluestem, small squares 100.00-135.00. Good, mid squares 75.00-90.00, large squares 70.00-80.00, large rounds 50.00-75.00. Brome: small squares 130.00-135.00. Good, mid and large squares 95.00-110.00, large rounds none reported. Straw, mid squares 60.00-70.00. Grass Mulch, large rounds 40.00-50.00.

Northwest Kansas

Dairy alfalfa, grinding alfalfa steady, movement slow. Al-

alfa: Horse/Goat, small squares 225.00-275.00 delivered locally. Dairy, Premium/Supreme .90-1.00/point RFV. Stock cow, fair/good 100.00-120.00. Good, large rounds 80.00-90.00. Fair, grinding alfalfa 65.00-85.00. Ground and delivered locally to feedlots and dairies 100.00-120.00.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, prairie hay and brome steady, movement slow. Alfalfa: Dairy .80-1.00/point RFV, Supreme 175.00-210.00, Premium 160.00-180.00, Good 140.00-150.00, small squares 200.00-210.00. Stock Cow, good 100.00-140.00. Fair/Good, grinding alfalfa 70.00-80.00, utility/fair, large rounds 55.00-60.00. Ground and delivered 105.00-120.00. Grass hay: bluestem, small squares 6.00/bale delivered locally, large squares 70.00-85.00. Brome: Good, small squares 7.00/bale, 120.00-145.00/T, mid squares 100.00-120.00, large squares 110.00-120.00, good large rounds 25.00-50.00/bale, 60.00-75.00/T, fair 50.00-60.00. Straw, good, small squares 4.00/bale or 5.00/bale delivered, large square bales 60.00-80.00/T, and large rounds 70.00-85.00. CWF grass mulch 65.00 per large

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

**RFV calculated using the Wis/Minn formula.*

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

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

Posted to the Internet: www.ams.usda.gov/mnreports/DC_GR310.txt

Meat and poultry exports ship profits to U.S. soybean farmers

The importance of poultry and livestock to soybean farmers is well documented. What may not be as well-known are the benefits for soybean farmers when U.S. meat, milk and eggs are exported. As human demand for protein grows globally, so do the opportunities for U.S. soybean farmers.

According to a soy check-off-funded study, 40.1 million tons of soybean meal, or the meal from 1.6 billion bushels of U.S. soybeans, were exported as meat and poultry between the 2005 and 2015 marketing years. This was worth \$13.8 billion to the U.S. soybean industry. In particular, exports of chicken meat and pork were worth \$6.4 billion and \$5.5 billion, respectively.

"As a soybean farmer, it's important to understand that when demand grows for livestock, our demand grows as well," says Dan Corcoran, a soy checkoff

farmer-leader from Ohio. "Exporting meat and poultry extends the market for our soybeans and benefits the U.S. economy all at the same time."

Continued collaboration with the meat and poultry industries is important to farmers' bottom lines. According to future projections from the study, 58.1 million tons of soybean meal will be fed to animals that will be exported as meat and poultry over the next 12 years. This will be worth \$18.9 billion to the U.S. soybean industry.

U.S. animal ag consumes 97 percent of the domestic supply of soybean meal, making it the most important end-user of U.S. soy. The checkoff works with organizations such as the U.S. Meat Export Federation and the USA Poultry and Egg Export Council to promote consumption of U.S. meat and poultry abroad.

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 2005 CHEVY 2500 HD 4WD 6.0 VORTEC \$10,988 Reg Cab & Chassis, Auto, good miles	 1998 CHEVY 2500 REG. CAB 4WD \$3,995 5.7 Vortec, Auto, GOOD MILES!	 2004 CHEVY 2500 HD 4WD \$3,995 Reg Cab & Chassis, 6.0 Vortec NICELY EQUIPPED!
 2005 GMC SIERRA 3500 4X4 \$18,995 Dually, Reg Cab & Chassis, 6.6 Duramax, Allison Auto, loaded, excellent miles. Call!	 2010 CHEVY 3500 HD CREW CAB \$17,988 4WD, 6.6 Duramax, Allison Auto.	 1996 CHEVY 3/4 TON \$2,900 Reg Cab, 4x4
 2003 CHEVY SILVERADO 2500HD 4WD \$11,995 Reg. Cab, 6.6 Duramax, Allison Auto, Loaded!	 2006 DODGE RAM 2500 CREW CAB \$17,988 4x4, 5.9 Cummins Diesel, FULLY LOADED!	 2007 CHEVY 2500HD REG CAB 4X4 \$6,995 * \$5,995 6.0 Vortec, Auto, Cab & Chassis
 2002 GMC SIERRA 2500HD REG CAB \$6,995 4WD, Good Miles!	 2005 CHEVY 3500 REG. CAB 4WD \$12,988 6.6 Duramax, Allison, Auto, single rear wheel plus Winkel Flatbed!	 2004 CHEVY 2500HD 4X4 \$13,988 6.6 Duramax Diesel, Allison Auto
 2007 CHEVY SILVERADO 2500 HD 4WD \$19,995 * \$18,988 Crew Cab, 6.0 vortec, Auto Loaded. Good miles. Call!	 2008 CHEVY 3500 HD \$19,995 * \$18,988 6.6 Duramax Allison Auto, Reg. Cab, 4WD	

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AUCTION

SATURDAY, MAY 21 — 10:00 AM
OVERBROOK, KS 10 1/2 mi E on Hwy 56, 4 mi S on E 550 to Stop sign, 3/4 mi E on Thomas Rd. (1384 Thomas Rd., Ottawa, KS)

LAWNMOWERS: 2-2015 Country Clipper zero turn, 60" deck, joy-stick steer, 25 Hp Kawasaki eng, approx 150 hours, like new. 1-2015 Country Clipper zero turn, 60" deck, twin stick steer, 25 Hp Kawasaki eng, approx. 150 hrs, like new. Mowers will sell at 10:30, followed by lumber. **LUMBER & HARDWARE:** 1100-2x4, 8'-20'; 460-2x4x92 5/8" precut studs; 140-2x6, 8'-20'; 36- 2x8, 20'; 200-2x10, 12'-20'; 7-2x12, 16'-24'; 100-4x4 treated 8'-14'; 100-6x6, 12'-16' treated posts; 80-1x12, 8'-16'; 33-1x10 16'; 840-7/16 & 5/8 OSB board; 121-3/4" sheets Advantech flooring; 5-3/4 CDX plywood; 116-4"x4"x14"; asst. white melamine plywood & sheeting; other misc lumber; 2-3'x4' x22" & 4'x10'x36" melamine tabletops; 3-4 shelf units; 7-36" steel doors; 750 lbs Torx drive screws; 100 coat hooks; 450 hurricane & shelf brackets; R13 & other insulation; 25-40' 4/12 pitch trusses. Trusses are certified w/paperwork. **ELECTRICAL:** receptacles; switches; gang & ceiling boxes; 14-2, 12-2, 12-3, 10-2, 10-3, 1/0, 4/0 wire; fluorescent & other lights; Elec. conduit; service heads; ground rods; ceiling & other fans; other misc electrical. **MISC:** paper towel holders; 66 qt sterilite cont.; 5 gal buckets; many plastic containers; 13 & 32 gal. trash cans; 24 Coleman 50 qt. chest coolers; 238 long handled teaspoons; spatulas; pans; medical supplies; 2-8" Lifetime tables; brushes; weather radios; 65-wood canes; orange snow fence; 2-50lb K-31 fescue seed; corn stalk bales; 10 gal Elec water heater; 50 gal LP heaters; 800-1 1/2"-4" SCH 40 pipe; 1700'PEX; 110-55gal barrels; 28 volleyballs; 23 volleyball nets; 6 basketball goals; other sporting equip; free standing laundry tubs w/faucets; plywood bench cones; windmill head; 36" stock tanks; 2000 pillows; 800 bath towels; 130 full size sheet sets; 1 & 3 compartment SS sinks; Maytag gas stove; 2 chest freezers; older refrigerator; HP 8610 Office Jet Pro all-in-one printer; approx. 42 Ton masonry sand. **FOOD & GROCERY:** 2" cubed uncooked, frozen Sirloin beef, 50# size boxes; 1 & 5 gal pickles; #10 can peaches; apple butter in pints; numerous various condiments; many items not listed.

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Schwieterman Market Outlook

A marketing commentary by Bret Crotts

The May supply and demand report held one major surprise and that was the new crop ending stocks figure, which came in 100 million bushels below expectations at 305 million. The combination of lower than year-ago production and higher than year-ago demand is expected to draw stocks down. With the current supply and demand scenario, the summer weather becomes all the more critical, because a loss of just two bushels to the acre would force prices higher to conserve supplies.

On the bearish side of the coin, we may very well have seen the lowest production estimate of the year. There is a very good chance that we see the acreage estimate grow as we move through the crop year due to the recent run-up in price and the current yield estimate of 46.7 bu/ac is lower than either of the past two years, which suggests that good

summer weather will result in a higher yield estimate at the end of the year as well. Then there are those high demand estimates that we have to live up to. Production problems in Argentina will make the demand estimates more likely to happen, but it isn't a guarantee.

Going forward, it looks like the soybean market is due for a downward correction, but we won't see sustained losses until traders are confident that summer weather will be non-threatening. Once the crop is assured, then we can see pressure in the soybeans. Until then traders will be looking to buy breaks.

As for the corn, the new crop ending stocks estimate came in at 2.153 billion bushels, which was a little lower than expected, but far from a friendly number. Demand is good right now and there is a good chance that acreage ends up being lowered at some point in the

crop year, so it isn't much of a stretch to get ending stocks to fall as we move through the crop year.

Weather, of course will be the deciding factor. As with the soybeans, the current yield estimate of 168 bu/ac is lower than the past two years, which means that a good growing season will likely increase the yield estimate and also stocks. On the other hand a loss of 1 million acres due to switching to soybeans and a 2 bu/ac yield loss would mean that we will use more corn than we produce. It is fascinating to me that with the third highest acreage in modern history and the third highest yield ever, we may still use more corn than we produce. That is why the market will be very sensitive to the weather and why there is so much fear of La Nina.

There is nothing positive to say about the wheat market. The new crop ending stocks estimate is 1.029 billion bushels and we haven't seen something that big since the 1980s. The best hope for the wheat market is that there is a weather prob-

lem with the corn this summer and we feed a lot of wheat and draw down stocks. Other than that, one must hope for a sharply lower Dollar and for some demand to be attracted that way. Sell rallies.

The cattle market had a wild week. Cash cattle shot up to \$134, but there wasn't a great response in the futures. The June live cattle finished the week at \$123.50, which is a huge basis. Basis is generally wide in early May, but this is exceptional. If the delivery process was easier there would be more buying to bring the futures up to the cash market, but that probably won't happen until we get past option expiration.

The live cattle charts look okay since the market is still above the 50-day moving average and the cash cattle market and the beef markets are moving higher. I'm optimistic enough to say that I think the June live cattle can make it to \$129 soon. The feeders don't look as good on the charts, but Friday's rebound suggests that the August feeders will make another run at the 50-day moving average, so I am planning on a move back to \$151 very quickly.

Schwieterman Marketing, L.L.C. specializes in risk management and cash grain and livestock marketing plans. For information on the markets or our marketing service you can contact Bret Crotts at

888-437-9131 or bret@subbell.net.

The information contained herein is based on data obtained from recognized statistical services and other sources believed to be reliable. However, we have not verified such information and we do not make any representations as to the accuracy or completeness. Past results are not necessarily indicative of future results. All statements

contained herein are current opinions, which are subject to change. The risk of loss in trading commodity future contracts is substantial. You should therefore carefully consider whether such trading is suitable for you in light of your financial condition. Neither the information, nor any opinion expressed shall be construed as an offer to buy or sell any futures or options on futures contracts.

U.S. grain elevators facing a host of challenges in new crop year

U.S. grain merchandisers are beginning the new-crop growing season facing significant challenges, according to a new research report by CoBank. Low price volatility, ample grain and oilseed inventories, slow farmer selling and an anemic export program suggest elevators are in for a difficult 2016-2017 season.

"With no relief immediately in sight, grain merchandisers will undergo further belt-tightening in the year ahead," said Tanner Ehmke, senior economist with CoBank's Knowledge Exchange Division. "Most grain elevators have solid balance sheets thanks to multiple years of strong revenues. Nonetheless, pressure for consolidation will likely intensify in an environment of slimmer profit margins."

Amid ample inventories in the U.S. and a lackluster export market, the grain and oilseed basis markets continue to remain stagnant, offering limited opportunities for elevators to profit on old-crop basis appreciation. However, grain elevators could still stand to profit by year's end off the opportunity to buy wider new-crop basis post-harvest, says Ehmke.

A growing concern among co-op managers is the availability of storage space this fall. High carryover stocks mean inventories will continue to build. Elevators are already holding a significant amount of farmer-owned old-crop in their facilities. Most years, inventories are about 10 percent farmer-owned, but many co-ops report that level at around 30 percent this year. Experts predict that only a major weather-induced crop failure could reverse this trend, and even then supplies are expected to remain sufficient to meet demand.

"Barring any significant weather-related crop losses this year, grain handlers could be tasked with managing huge farmer-owned inventories into the new-crop year and creating, at least temporarily, additional storage," notes Ehmke. "Whether or not farmers will be willing to sell grain, remains the co-ops' wildcard."

The risk of a repeat La Niña event, which is normally associated with dryness in the Midwest, is another area of concern. The National Weather Service forecasts a 50 percent chance of another La Niña this fall. If that happens, grain companies will likely experience another season of low grain drying revenue which can account for as much as 10 percent of a typical co-op's profits.

With a stagnant basis market, and storage and weather concerns looming, co-op managers anticipate consolidation in the industry to continue. "Mergers, acquisitions or joint ventures could become more likely," says Ehmke. "Efforts to reduce price risk exposure based on these headwinds will be critical for co-ops looking ahead to the end of 2016."

A brief video overview of the report, "Grain Elevators Braced for a Challenging 2016" is available on CoBank's YouTube Channel. A summary of the report can be found on CoBank.com with the full report available to media upon request.

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METAL SHOP AUCTION
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Hystler 90, 8,000lb, propane 2030 hrs side shift 3 spd frt & rear -- Enco 48" sheet metal pan/box brake on stand -- Chicago 8' brake conversion 40 power unit -- Wolf 10' basic machine model 129X1/4psh 1/4" shear -- Uni-hydro iron worker model P80-24w/dies -- Grizzly Ind model 65777 mini radial drilling machine -- Millermatic 300 3ph mig welder -- Millermatic 251 wire welder -- ESAB PCM-1125 plasma cutter -- Ingersoll Rand T30 air compressor -- Ridgid 300 pipe threader -- Kalamazoo metal band saw -- (5) Metal sheet storage racks -- 1000lb lifting magnet -- Various metal/steel.



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GERALD CORCORAN ESTATE
160 +/- ACRES
FARMLAND AUCTION
 Quarter section in northeast Saline County located southeast of E Humbarger Rd & N Donmeyer Rd intersection
WEDNESDAY, MAY 25, 2016 AT 7:00 PM
 Sale location – 601 S Broadway (Auction House), Salina, KS
AUCTIONEER'S NOTE: Total Ag Acres – 157.55 (DR Acres 142.58, NG Acres 10.62, and TG Acres 4.35)
 2015 taxes \$1320.50. Possession upon closing (no growing crops). Mineral rights transfer to buyer.
TERMS: 10% down & balance due upon closing. Title insurance and closing cost will be split 50/50 between buyer and seller. Kansas Secured Title will be the closing agent.
DIRECTIONS: From I-70 Solomon exit north on Solomon Rd 1 mile then west on Humbarger Rd (2400 Ave) 1.5 miles. The property has signs and flags.



Tract description - UNPLATTED, S11, T13, R1, ACRES 157.5, NW/4 LESS RD R/W
 Any announcement made the day of sale takes precedence over any printed matter.

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HARLEY GERDES 23RD ANNUAL MEMORIAL DAY CONSIGNMENT AUCTION

MONDAY, MAY 30, 2016 — 9:00 AM

LOCATED ON 75 HWY, NORTH EDGE OF LYNDON, KS (30 MILES SO. OF TOPEKA)
NO SMALL ITEMS, BE ON TIME! Tractors & Misc. Equip. lined in rows together

TRACTORS

2008 NH T-5060 Deluxe, CA, MFD, 3 pt., pto, LH shuttle, w/ldr., 4,401 hrs.
*1989 JD 4255, CA, p.s., 3 pt., pto, 8,222 hrs.
*1982 JD 4440, CA, p.s., 3 pt., pto, 6,259 hrs. *Clean Local tractors from same farm.
1982 JD 4040, CA, quad, 3 pt., pto, Good Local Tractor
1975 JD 4430, CA, p.s., 3 pt., pto, 6,220 hrs.
1974 JD 4430, CA, quad, 3 pt., pto, Clean
1973 JD 4230, CA, syncro, 3 pt., pto
JD 4030, cab, syncro, 3 pt., pto, needs work
JD 4010, 3 pt., pto, Good
JD 3020, gas, p.s., 3 pt., pto, w/ldr.
JD 3020, gas, 3 pt. pto
JD 2840, 3 pt., pto
JD 2510, gas, 3 pt., pto, Nice
JD 530, gas, n.f., pto
JD 401, 3 pt., pto, w/ldr., Not running
1984 IH 5088, CA, MFD, 3 pt., pto, 5,692 hrs., One Owner, Needs Trans work
1980 IH 3788, CA, 3 pt., pto, 5,125 hrs.
1979 IH 1486, CA, 3 pt., dual pto, 6,063 hrs.
1978 IH 1486, CA, 3 pt., dual pto, Motor needs work
IH 856, Standard, pto, Clean
IH 826, f.h., pto, Good
IH 460, gas, f.h., pto
1977 CASE 1175, CA, syncro, 3 pt., pto
KUBOTA L275, MFD, 3 pt., pto, 2,671 hrs.
KUBOTA 185, MFD, 3 pt., pto, w/60" belly mower, 581 hrs.
1989 FORD 8210, CA, MFD, 3 pt., pto, w/ldr.
FORD 9600, 3 pt., pto
FORD 8000, cab, 3 pt., pto
FORD 4000, gas, 3 pt., pto
1978 WHITE 2-105, cab, 3 pt., pto, rough
1980 AC 7020, CA, 3 pt., pto, 4,708 hrs., Nice
1976 AC 7000, CA, 3 pt., pto, 7,228 hrs., Super Clean
AC 180, 3 pt., pto, 7,983 hrs.
HESSTON 1580, CA, 3 pt., pto, w/ldr.
OLIVER 1650, 3 pt., pto, w/1610 ldr.

TILLAGE

2) JD BWA, 12', disc
JD 210, 12', disc
JD AW, 13', disc
JD AW, 12', disc
FORD 218, 20', disc
MF 820, 24', disc
CIH 496, 24', disc
CIH 496, 20', disc, Good
CIH 3900, 20', disc, Clean
IH 475, 18', hyd. fold, disc, Nice
IH 470, 14', disc
IH 37, 10', disc
KILLIFER, 6', 3 pt., offset, disc
WHITE 271, 24', rock flex, disc
JD 1630, 10', plow disc, Good
JD 331, 20', plow disc
JD TWA, 10', plow disc
WHITE 445, 10 spring shank, disc chisel
2) WHITE 435, 14 spring shank, disc chisel
GLENCOE, 9 spring shank, soil saver
7 shank, V-ripper, Nice
JD, 5 shank, sub soiler
JD 900, 5 shank, v-ripper
JD 400, 15', rotary hoe, Nice
JD 400, 15', rotary hoe, Low Acre
2) JD 400, 15', hoes
IH, rotary hoe, Nice
HAMIL, 7', 3 pt., springtooth
JD, 14', springtooth
IH 55, 11 shank, 3 pt., chisel
IH 55, 10 shank, pull type, chisel
JD 1600, 10 shank, pull type, chisel
JD 100, 12 shank, pull type, chisel
JD, 8', coil shank, chisel
JD, 10', 3 pt., coil shank, chisel
JD 825, 6x30, cult.
JD RM, 6x30, cult.
NOBLE, 6x30, cult.
2) LILLISTON, 6x30, cult.
CIH 183, 6x30, cult., Nice
JD 825, 6x30, Danish tine, cult.
IH 133, 8x36, hyd. fold, cult.
FERGUSON, 11 shank, cult.
MF, 9 shank, cult.
FORD, 7 shank, cult.
JD 980, 28', field cult., Late Model, Nice

JD, 8', pull type, field cult., Old LANDPRIDE, 6', 3 pt., pulverizer
VICON, 15', rotary, harrow
FORD, 4 btm., 3 pt., plow
IH 510, 3 pt., plow, Good
JD F-145, 3 btm., plow
IH, 2 btm., pull type, plow
WHITE, 1 btm., plow
WHITE 508, 4 btm., spring reset, plow
12' packer on disc frame
Ditcher

PLANTERS & DRILLS

IH 800, 12x30, 3 pt., hyd. fold
WHITE 5100, 4x30, Clean
JD, 4 row lister
CIH 5400, 20'x15", w/markers & dolly hitch
IH 5100, 21x7, DD, w/seedler, Good
IH 5100, 21x7, DD, Clean
GP, 21x7, dd, w/dry fert.
GP, 21x7, DD, drill, Nice
CRUSTBUSTER, 28'x8", folding
2) JD 8300, 21x7, SD
JD 8300, 21x7, DD
JD 750, 15'x7 1/2, no till, dolly wheel, 6,990 acre, Clean
JD 450, 21x7, DD, w/markers, Super Nice
JD B, 16x7, SD, w/seedler
JD FB, 13x7, SD
JD FB, 15x7, SD
MH, 15x7, SD
TYE 04-4404, 80", 10 DD, no till, grass seed

SHREDDERS

JD 1018, 10', 3 pt.
JD 709, 3 pt.
RHINO SE-7, 3 pt.
CALDWELL, 6', pull type
KING KUTTER, 6', Good
LANDPRIDE, 7', 3 pt., Clean
BUSHHOG, 7', 3 pt., Good
WOODS RD-6000, 60", grooming
KING KUTTER, 60", grooming
ARTSWAY, 60", belly mower
IH 40, flail, pull type, Nice
IH 50, flail, pull type

LOADERS & BLADES

JD 148, Super Good
JD 148
JD 158, Low Use
IH 2350, fits 1066
AG KRANE, hyd. lift
GB 800, fits JD
COONTZ, 8', hyd.
JD 65, 8'
8', f.h.
LEON 90, 8', 3 pt.
JD 534, 9', dozer
FRONTIER RB2310, 10', hyd., Like New
FRONTIER LR 2196, Rock rake
FRONTIER RB2310, 10', hyd.
WOODS BSM 84, box, New
BESSON, hay grapple
WESTENDORF, grapple, New

LIVESTOCK EQUIPMENT

2) CIH 1250, grinder-mixer
IH 103, pto, manure spreader
KELLY RYAN, 4x10, pto, manure spreader
JD L, manure spreader
OLIVER, ground drive, manure spreader
NI #12A, ground drive, manure spreader
GEHL 250, manure spreader, w/slop gate
KELLY RYAN, 5x12, Remix, feed wagon
KELLY RYAN, 5x12, feed wagon
FILSON, calf cradle
POWDER RIVER, calf cradle

WAGONS

Gravity w/hyd. auger on gear
EZ FLOW, gravity w/hyd. auger
Gravity, w/gear
LABOR SAVER, gravity w/hyd. auger on truck frame
2) Lundell, gravity boxes
PARKER 2600, gravity box
Box wagon, 6x16
LUNDELL, 10T, running gear
KILLBROS 475, grain cart
PATRIOT 220, seed tender
FRIESEN 220, seed tender, Nice
FRIESEN seed Titan
FORAGE EQUIPMENT
GEHL 99, Hi Throw, blower
GEHL 1540, Vortex, blower, Nice
HEIDER, 7x12, silage wagon
RICHARDTON 1200, dump wagon
JD 3940, 2x30 chopper, Good
JD 35, 2x30, chopper
NH Super 717, 822 2x30 chopper and hay head, Good

HESSTON 7155, 2x30, chopper, Clean
NH 391, tub grinder, Good

LAWN & GARDEN

Metal Storage building, 10x16 on skids, 5' double doors, New
KUBOTA F-2560, 72" front deck, 1,044 hrs., Cindy's mower for the last 7 years, Super Nice
DIXON ZTR-4515B, 0-turn, 36" deck
HUSQVARNA RZ-4619, 0-turn, 46" deck
JD 325, hydro, 48" deck
MTD, 8 hp., chipper-shredder
MIGHTY MAC, lawn vac trlr.

HAY EQUIPMENT

CIH RBX 452, rd. baler
CIH 8450, rd. baler
HESSTON 5510, rd. baler
HESSTON 565A, rd. baler
JD 566, rd. baler, 18,174 bales, Clean
JD 566, rd. baler, 15,881 bales
NH 640, rd. baler, auto wrap
2) JD 346-W, sq. baler
JD 346-W, sq. baler, w/Farmhand accumulator
JD 336-T, sq. baler, Clean
JD 24-T, sq. baler
JD 24-W, sq. baler
IH 435-T, sq. baler, w/accumulator
IH 430-W, sq. baler
IH 37-T, sq. baler
NH 315-W, sq. baler
NH 273-T, sq. baler, Clean
NH 271-T, sq. baler
NH 1190, 9', sq. baler
HESSTON 1275, 16', hydra swing, swather
JD 720, 9', swather, Super Nice
NH 492, 9', swather, Clean
IH 1190, 9', swather, Nice
JD 896 rake
JD 660, rake w/dolly wheel
JD 640 rake, w/dolly wheel
IH 56 rake
NH 259, w/dolly wheel
2) NH 258 rakes
NH 55, rake
MH rake
IH 120, 7', sickle mower
NH 452, 9', 3 pt., sickle mower
JD 350, 9', sickle mower, Good
JD 350, 9', sickle mower
AC, 9', 3 pt., sickle mower
NH 254, Tedder
NH 166, hay inverter, Good
WELCO, bale accumulator
2 wheel, windrow turner
2) 7x14, Hay Trailers
Bale elevators, 15' & 24'
SUPERIOR, bale unroller

CONSTRUCTION

1995 CASE 1840, skid ldr., 3,000 hrs.
CASE 60, trencher
KOEHRING Scattract 850, skid ldr., w/Kubota diesel
KELLEY 40, backhoe, 3 pt.
SOILMOVER 50-RF-dirt scraper
GARFIELD 850, scraper, Like New
Homemade, dirt scraper

COMBINES & HEADS
1998 JD 9510, Side Hill, CA, Hydro, chopper, 4,364 eng., 2,944 sep. hrs., Clean
1982 JD 7720, CA, Hydro, 4x4, 2,058 hrs., chopper, Clean
1978 JD 4400, CA, gear, 2,012 hrs., chopper, Nice
1976 MF 760, CA, Hydro, chopper
2012 JD 625, flex, Like New
2007 JD 625, flex, Good
1999 JD 922, flex
1990 JD 915, flex
1989 JD 920, flex
1987 JD 653-A row head, Clean
JD 653-A, row head
JD 220, Rigid, Clean
JD 216, Rigid, Nice
1999 CIH 1020, 20', flex
1997 CIH 1020, 15', flex, Nice
1993 CIH 1010, 25', rigid
IH 820, flex
1999 JD 693 corn head, hyd. deck, Nice
1998 JD 925, w/Sunflower pans
MF 1163, corn head
AC A-630, Black corn head

MISC. EQUIPMENT

3) DANUSER, post hole diggers
WICHITA Shear, tree cutter
Moulder, for vegetables
HOLLAND, transplanter
DANUSER, post pounder
SHAVER HD-8, post pounder, Like New

1986 JD 6000, CA, 5,738 mi., w/50' booms, Clean
SCHABEN, 200 gal, pull type, sprayer
Homemade, SS, 3 pt., sprayer, w/controls
HENDERSON WSH-21818, ss, sand spreader
Seeder, 3 pt., pto
Bale fork, 3 pt.
Mist sprayer
CRIPPEN, K2-5472-GA, grain cleaner
FETERL 85, grain cleaner
SNOWAY, 90", pickup blade
WESTFIELD, 51'x8", portable auger
FARMKING, 8", truck auger
SUDENGA, 8", truck auger
MC-5, air compressor, Duetz eng.
TIGER POWER, PTO 20, generator

TRUCKS, VEHICLES & TRAILERS

2000 CHEVY 1500, V8, auto, 4x4
1999 FORD F-350, V10, auto, 4x4, 116, 446 mi., w/Hiniker snow blade
1997 FORD F-450, Powerstroke, auto, w/service bed, Good
1973 FORD LN-700, V8, 5x2, tag axle, 67,999 mi., w/18" box & hoist
1973 GMC 6500, V8, 5x2, w/16" box & hoist
1973 IH 1600, V8, 4x2, w/18" box & hoist
1972 GMC 6500, V6, 5x2, w/16" box & hoist
1971 FORD LN-900, 534, 5x4, w/20" box & hoist
1967 FORD F-600, V8, 4x2, w/13" box & hoist
1996 LINCOLN Town Car, V8, auto
2013 PJ, 102"x44", 10' hyd. tail, dual tandem, g-neck
2007 WILSON, hopper btm., 41'x8'x66", C lean w/elec. Roll tarp, super singles
2003 ELITE, 102"x24", flatbed, gooseneck
2003 ELITE, 102"x25", tandem axle, flatbed, w/ramps
1999 ROADHOG, 7'x24", gooseneck, car trlr.
1996 TRAILMANN, 24'x8', enclosed, g-neck w/ramp door

MISCELLANEOUS

24) IH, 100 lb. front weights
4) IH rear weights
4 sets, JD rear weights
5) JD, slab weights
4) JD, L weights
7) JD 100lb. front weights
10) AC, front weights
4) sets, IH split, rear weights
Warehouse shelving, 16'x30", w/4 shelves
HUSKEE, saddle tanks
Utility bed, trlr.
4) Yetter, no til combo
TIRES:
14.9x30, 12.4x16, 18.4x161 & 18.4x26
18.4x26 tires & rims
6) 295-75-225 Truck tires
20.8x38, clamp on duals
3) 18.4x38, clamp on duals
18.4x38, clamp on duals
18.4x38, 9 bolt duals
JD, 10 bolt, 118.4x38, 4450 hubs, 75% Firestone tires
ALDOMI, loader to skid steer adaptor
POWER KRAFT, jig saw
CRAFTSMAN, table saw
Bale fork
Hyd. cylinders

COMING FROM RETIREMENT

FORD 800, gas, 3 pt., pto, w/ldr.
SHAVER #8, post driver
Trailer, 18', 3 axle

COMING FROM LOCAL FARM

2012 JD 333D, CA, 1,212 hrs., New Tracks, Field Ready!
2015 BRADCO XD, ground shank, w/shredder, Hi-Flow
2013 Turbo Saw, w/rotating head, Hi-Flow
2012 TITAN, 30'x102, dual tandem, g-neck, flatbed, w/ramps

ATTACHMENTS

TOMAHAWK, bale spear
TOMAHAWK, stump bucket
MDS, bale spear
MDS, bale spear for tractor
6', Bucket for loader
WESTENDORF, bale spear

Study finds declining levels of sulfur

Air pollution legislation to control fossil fuel emissions and the associated acid rain has worked – perhaps leading to the need for sulfur fertilizers for crop production. A University of Illinois study drawing from over 20 years of data shows that sulfur levels in Midwest watersheds and rivers have steadily declined, so much so that farmers may need to consider applying sulfur in the not-too-distant future.

"We don't think there are actual sulfur deficiencies yet, but clearly more sulfur is coming out of the soil and water than what is going in," says U of I biogeochemist Mark David. "As the Clean Air Act and amendments have taken effect there has been a reduction in sulfur emissions from coal combustion, so that the amount of atmospheric sulfur deposited each year is only 25 percent of what it used to be. At some point, farmers are going to have to fertilize with sulfur."

David says farmers whose fields have fine-textured soils that are high in organic matter have less of a concern. "For many, it could be ten or twenty years from now, but for some, particularly those farming on poorer soils, it'll be sooner. Farmers whose fields have poorer soil or notice a yield reduction may want to have their soil tested for sulfate. If it registers low, they can consider applying fertilizer."

David explains that sulfur in soil comes from two main sources. It's in the air from fossil fuel combustion and in groundwater where water has come in contact with coal or pyrite seams. It comes out of the soil through tile-drained fields and it is taken up into plants as they grow and are then harvested.

In their study, David and his team analyzed data from three rivers in east-central Illinois at times when the flow was high and low from the field drainage tiles and the rivers. Sulfate concentrations were greatest in the Salt Fork River, followed by the Embarras, and then the Kaskaskia Rivers.

"As we go from northeast to southwest across this part of Illinois, the sulfate that we think is from groundwater near coal seams, decreases. In the Tuscola and Atwood areas, we don't think there are any groundwater sulfate inputs.

"When we looked at a whole variety of fields with tile drainage systems, we found that some had very low sulfate concentrations – just a few milligrams per liter. One farm in our study had applied bed ash from a power plant. We saw high concentrations of sulfate in that field. There's no doubt

that it boosted the level of sulfur. But over the next three or four years most of it had washed out through the tile system," co-author and U of I agronomist Lowell Gentry says.

The long-term nature of the study allowed the team to do watershed balances and look at the inputs and outputs of the sulfur "budget" for the area.

"That balance is negative, with greater outputs from harvest and leaching, than inputs from atmospheric deposition and fertilizers, so what is missing is coming from the soil. There is a lot of sulfur in soil in organic forms and that's being slowly depleted. At some point, there won't be enough to keep up with what the crop needs. That's when farmers will need to add fertilizer," Gentry says.

David began his career in the 1980s studying the effects of acid rain – a main ingredient of which is sulfur. "Back then no one ever thought about fertilizing with sulfur because there was always plenty of atmospheric sulfur available from burning coal."

The samples David collected over the past two decades were primarily used to track nitrates that enter the rivers via drainage tiles in agricultural fields, and eventually reach the Gulf of Mexico. He says that unlike nitrate, "sulfate is not a problem in Midwestern streams and rivers. It's not like other chemicals that cause problems downstream and in the Gulf."

David believes that this is the first study looking at long-term trends in sulfur in agricultural areas. "Most of the studies about atmospheric deposition in sulfur have been in forested watersheds in the northeast where lakes were acidified, such as in the Adirondack Mountains in New York and in streams in the Appalachian Mountains, areas that were sensitive to acid rain. Sulfate is more of a problem in the northeast in forest soils," he says.

"Riverine response of sulfate to declining atmospheric sulfur deposition in agricultural watersheds" is published in the *Journal of Environmental Quality* and is available online through open access. It was written by Mark B. David, Lowell E. Gentry, and Corey A. Mitchell.

The work is based on research partially supported by the National Institute of Food and Agriculture, USDA, under Agreement No. 2011-039568-31127, the National Atmospheric Deposition Program through HATCH Project ILLU-875-935, and the Energy Biosciences Institute.

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Transform approved in ten states to treat sugarcane aphids in grain sorghum

Sulfoxaflo, the active ingredient in Transform WG—a Dow AgroSciences product, now has government approval for use in ten states to treat sugarcane aphids in grain sorghum.

Following last month's approval for use of sulfoxaflo in Texas, sorghum farmers in Alabama, Arkansas, Georgia, Kansas, Louisiana, Mississippi, North Carolina, Oklahoma and Tennessee now have another tool available to fight the pest. The 2016 authorization includes new restrictions related to pre-

venting exposure to bees, including a prohibition on the application of Transform from three days prior to bloom to seed set.

"Sorghum farmers in these states are now better equipped to control the sugarcane aphid and have a better opportunity to mitigate yield and revenues loss," said Tim Lust, National Sorghum Producers CEO. "NSP thanks the U.S. Environmental Protection Agency for their approval of this important crop protection tool, which augments industry efforts to develop better manage-

ment practices and resources to meet this challenge."

This season, the sugarcane aphid was found in low populations early in South Texas and recently as far north as the lower Texas Panhandle. Some growers in South Texas have begun spraying for the sugarcane aphid, reporting success in managing these populations in their fields as well as seeing an increase in beneficial insect numbers.

"This is much farther north and earlier than what was observed in Texas in 2015," said Brent Bean,

Sorghum Checkoff agronomist. "Although this is concerning, it does not give us any indication of how serious the sugarcane aphid may be this season. What it does mean is that growers will need to be diligent in following best management practices for managing the sugarcane aphid."

To protect sorghum from potential early season infestations, the Sorghum Checkoff advises growers to consider planting seeds treated with an insecticide seed treatment, which should give up to 40 days of sugarcane aphid control. In

addition, several commercial hybrids are being sold that have some degree of tolerance to the sugarcane aphid.

Once a region becomes infested with sugarcane aphids, fields should be scouted at least once a week for signs of the aphid and two to three times per week once discovered. Threshold levels may change depending on the growth stage of the sorghum and vary between regions. It is important to check with local experts to determine regional thresholds before applying insecti-

cide. Two products proved to be very effective during the 2015 growing season—Sivanto Prime by Bayer CropScience and Transform.

"It is extremely important to have multiple products available to treat the sugarcane aphid," Bean said. "By rotating chemistries, we can avoid insecticide resistance and maintain control of the pest."

For additional resources, including best management practices, tolerant hybrids, scouting recommendations and more, visit sorghumcheckoff.com.

Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

Selling Hogs & Cattle every Monday

RECEIPTS FOR THE WEEK TOTALED 3,475 CATTLE & 99 HOGS. BUTCHER HOG TOP ON MONDAY WAS \$45.00

STEERS					
300-400	\$198.00-\$215.00	58 blk	Sedgwick	893@145.75	
400-500	\$180.00-\$200.00	59 mix	Marion	886@145.50	
500-600	\$170.00-\$189.00	17 mix	Clafin	902@144.25	
600-700	\$162.00-\$171.00				
700-800	\$140.00-\$152.75				
800-900	\$135.00-\$154.50				
900-1,000	\$134.00-\$147.60				
HEIFERS					
300-400	\$175.00-\$186.00	2 mix	Lyons	318@186.00	
400-500	\$162.00-\$179.00	3 blk	Salina	353@181.00	
500-600	\$150.00-\$165.00	8 mix	Brookville	413@179.00	
600-700	\$142.00-\$154.50	3 mix	Brookville	423@176.00	
700-800	\$135.00-\$149.00	3 blk	McPherson	452@175.00	
800-900	\$128.00-\$140.00	5 blk	Maple Hill	530@165.00	
		6 blk	Barnard	515@165.00	
		3 blk	McPherson	492@161.00	
		11 mix	McPherson	535@161.00	
		5 blk	Moundridge	477@160.00	
		7 mix	McPherson	601@154.50	
		14 blk	Smolan	619@154.00	
		4 blk	Smolan	711@149.00	
		7 blk	Geneseo	729@145.25	
		7 mix	Great Bend	685@145.00	
		8 blk	Smolan	729@143.75	
		70 mix	McPherson	710@143.25	
		65 blk	Whitewater	752@141.00	
		5 blk	Solomon	851@140.00	
		63 mix	McPherson	778@138.60	
		53 mix	Inman	783@137.00	
		14 blk	Geneseo	809@136.25	
		17 mix	Clafin	851@135.75	
		61 mix	Parker	857@135.00	
		64 blk	Assaria	815@134.50	
		78 mix	Moundridge	842@134.35	
STEERS					
4 mix	Esbon	378@215.00			
2 red	Brookville	333@208.00			
6 mix	Brookville	463@200.00			
3 blk	McPherson	405@197.00			
12 mix	Inman	462@190.00			
11 mix	Brookville	524@189.00			
4 blk	Barnard	495@186.00			
8 mix	Wakefield	515@186.00			
13 mix	Moundridge	519@185.00			
3 blk	Wilsey	427@183.00			
3 blk	Carlton	525@182.00			
9 blk	Wilson	537@180.00			
11 blk	Clay Center	515@179.00			
12 mix	McPherson	523@177.00			
3 blk	Maple Hill	577@173.50			
5 blk	Carlton	634@171.00			
8 mix	Wilson	635@169.00			
6 blk	Wilsey	602@167.00			
9 blk	Great Bend	643@165.00			
5 blk	Hope	699@162.50			
3 blk	Maple Hill	688@162.00			
60 blk	Lindsborg	819@154.50			
51 mix	Hope	769@152.75			
8 blk	Lindsborg	758@152.00			
71 mix	Hope	867@150.85			
7 mix	Clafin	855@150.50			
2 blk	Brookville	730@150.00			
14 blk	Leonardville	840@150.00			
8 blk	Minneapolis	837@149.50			
60 blk	Enterprise	847@148.25			
21 blk	Lindsborg	844@148.00			
52 blk	Lindsborg	917@147.60			
58 mix	Hope	875@147.00			
66 mix	Abilene	870@146.75			
65 mix	Gypsum	830@146.25			
HEIFERS					
4 mix	Esbon	378@215.00			
2 red	Brookville	333@208.00			
6 mix	Brookville	463@200.00			
3 blk	McPherson	405@197.00			
12 mix	Inman	462@190.00			
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52 blk	Lindsborg	917@147.60			
58 mix	Hope	875@147.00			
66 mix	Abilene	870@146.75			
65 mix	Gypsum	830@146.25			
SOWS					
3 mix	Leonardville	630@45.00			
8 mix	Leonardville	639@45.00			
1 spot	Hays	680@43.50			
1 wht	Abilene	530@42.50			
3 wht	Abilene	562@42.00			
3 wht	Abilene	522@41.50			
HOGS					
7 mix	Solomon	277@45.00			
28 mix	Tescott	296@43.75			
CALVES					
1 bwf	Falun	295@610.00			
5 blk	Salina	286@585.00			
1 blk	Hoisington	210@450.00			
1 blk	Tescott	275@450.00			
1 bwf	Beloit	230@425.00			
1 rfw	Simpson	180@410.00			
1 blk	Simpson	165@400.00			
1 bwf	Miltonvale	190@400.00			

IN STOCK TODAY

- Heavy Duty Round Bale Feeders
- 6'8" X 24' GOOSENECK STOCK TRAILER METAL TOP
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Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901

Jim Crowther
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Roxbury, KS

Lisa Long
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Cody Schafer
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Durham, KS

Kenny Briscoe
785-658-7386
Lincoln, KS

Kevin Henke
H: 785-729-3473, C: 785-565-3525
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Austin Rathbun
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Cattle Sale Broadcast Live on www.cattleusa.com 1150 KSAL, Salina 6:45 AM - MON-FRI *** 880 KRVN 8:40 AM - WED-THURS. *****550AM KFRM - 8:00 am, Wed.-Thurs.**

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

THURSDAY — CATTLE ONLY

Selling starts at 10:00 a.m. Consign your cattle as early as possible so we can get them highly advertised.

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For a complete list of cattle for all sales check out our website www.fandrive.com

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SATURDAY, MAY 21st — 10:00 AM

Selling 300 good broke ranch, rope & family horses.

Rope Horse

Preview:

Friday, May 20

at 12 Noon

Ranch Horse

Competition:

Friday, May 20

at 6 PM

Call barn for a catalog!



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Lot #13 rodeo, jackpot ready head horse been hauled and won money on.



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1 blk	Sterling	1225@81.00
1 char	Gypsum	1320@78.50
1 char	Sterling	1285@78.00
1 blk	Smolan	1960@78.00
1 blk	Canton	1100@78.00
1 blk	Newton	1595@77.50
1 bwf	Salina	1515@75.50

BULLS

1 blk	Durham	1930@104.00
1 blk	Ellsworth	2100@102.00
1 blk	Canton	1905@100.00
1 blk	Clay Center	1805@98.00
1 blk	Lindsborg	1885@97.00
1 blk	Clay Center	1725@96.00
1 blk	Durham	1705@96.00
1 blk	Clay Center	1495@95.00

EARLY CONSIGNMENTS FOR THURSDAY, MAY 19:

65 blk hfrs, 800-850 lbs., Wyoming origin, One Iron, no sort; 53 hfrs, 700 lbs., checked open; 90 strs, 825-875 lbs.

PLUS MORE BY SALE TIME!

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CLASSIFIED AD DEADLINE IS 10:00 A.M. FRIDAY

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FIGURE YOUR COST HERE:

RATE: 65¢ a word.

Number of words: _____ @ 65¢ each

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

Run ad _____ consecutive weeks.

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Cost for _____ weeks: _____

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

Less discounts: _____

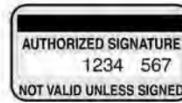
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- Please notify us of any errors at once. We cannot be responsible beyond the first insertion.
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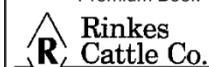
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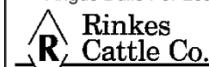
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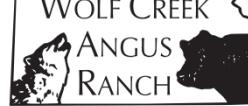
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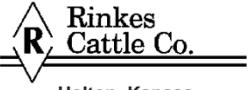
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12/30
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14'
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2205 sep.
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'91 JD 653A row head
'89 JD 643 cornhead
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hrs. eng., 1550 hrs. sep.
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KDA to host egg grading workshops

The Kansas Department of Agriculture (KDA) will host three egg grading workshops in Kansas this June, to train the state's poultry producers in egg grading and share other important poultry care information. Grading eggs provides additional market opportunities for poultry farmers. The workshops will take place in Hays, Lawrence and Wichita, but are available to all Kansas egg producers at no charge.

The workshops are funded through the Federal State Marketing Improvement Program (FSMIP) Grant which the KDA received from the U.S. Department of Agriculture. The grant award totals nearly \$25,000 and in addition to the egg grading workshops will make available for poultry producers an egg grading resource manual, egg cell gauges, and an egg candling unit cost-share program.

Producers can choose from among three egg grading workshops: Hays at the Ellis County Extension office on Tuesday, June 7; Lawrence at the Douglas County Extension office on Tuesday, June 14; or Wichita at the Sedgewick County Extension office on Tuesday, June 21. All workshops run from 5:30-7:30 p.m. and are free, but participants are encouraged to RSVP to events@kda.ks.gov.

Workshops will provide training on egg grading and other important information for poultry producers. Dr. Scott Beyer, associate professor in the K-State Department of Animal Sciences and Industry, will offer training on proper egg grading and poultry disease screening for maintaining healthy flocks. Adam Inman, assistant program manager for Food Safety and Lodging at KDA, will review Kansas rules and regulations for grading and selling eggs in Kansas. The poultry industry, including egg production, contributes \$112 million annually to the Kansas economy. These workshops will help fulfill KDA's mission of providing educational resources and support to help expand markets for agricultural products while encouraging economic growth of the agriculture industry.

The FSMIP grant provides matching funds to state departments of agriculture, state agricultural experiment stations, and other appropriate state agencies to assist in exploring new market opportunities for U.S. food and agricultural products, and to encourage research and innovation aimed at improving the efficiency and performance of the marketing system.

For more information about the egg grading workshops and how to obtain egg cell gauges or the egg candling unit cost-share provided by the KDA, contact Julie Roller at 785-564-6755 or Julie.Roller@kda.ks.gov or go to the KDA website at agriculture.ks.gov/egg-grading.



Skip ahead in herd planning

By Miranda Reiman

"I'll just DVR it," someone might say if they can't make plans to be in front of the television when their favorite show or special report is scheduled to air.

It's become something of a verb, like suggesting you do an Internet web search by "Googling it."

We don't have cable and haven't gone to the expense or trouble of getting a digital video recorder (DVR) to help us keep up with the three network stations we draw in for free.

I'm conflicted. It probably means we watch less TV than the average person, but I'm also very interested in efficiency and realize that when we do watch a show it probably takes us twice as long.

Enter the example from my parents' house: They don't turn on the 10 o'clock

news until it's ten or 15 minutes after. By DVR-ing it and skipping commercials, they can watch more than one show in the same half-hour slot. My dad claims he can view an entire NFL football game in two hours now, compared to the all-afternoon event it once was.

Imagine if we could have that same kind of efficiency in the cattle business—especially as it relates to genetics—cutting the time it takes us to see end results by half.

In a business where every improvement moves at a slower pace than our other protein-producing competitors, that would be a dream.

Or maybe it's reality. Today you can "DVR it." Dodge Variation Rapidly, that is. DNA tests are proven game-changers in making focused genetic ad-

vances more quickly.

Previously, if you wanted to use a young bull, you either had to take a chance that it really did what it was predicted to do or wait around until there was enough data to strengthen the accuracy. Genomics can fast-forward that timetable, and a simple blood test improves accuracy that is equivalent to having ten to 20 progeny records.

If you're in a herd rebuilding phase, stop to think of the value of a replacement heifer. What is the cost of making a bad decision?

DNA genomic tests are a simple tool that can help you characterize, sort and be more certain of which females belong in your herd and which ones don't.

It allows you to speed up the game, which is good if you're headed in the right direction. It's also good if you can find out sooner that your herd is veering off track and you need a course correction.

If you're aiming to improve quality and performance measures, to draw in rewards from the next segment in the beef chain, to create more consistency from your ranch all the way to the consumer, you might want to think of employing a little of this technology.

"Just DVR it!"
Next time in *Black Ink*® Steve Suther will look at multitasking. Questions? E-mail mreiman@certifiedangusbeef.com.

MKC, CHS to build grain terminal in Milan

CHS Inc., an energy, grains and food company and the nation's leading farmer-owned cooperative, and MKC, a full-service farm cooperative offering a complete line of products, programs and services throughout Kansas, announce plans to officially build and operate a high-speed rail-shuttle grain storage and loading facility in Milan, Ks.

Plans for the facility include seven million bushels of storage including upright and flat storage with receiving capacity of 100,000 bushels per hour by way of trucks. Rail load-out capacity will be in excess of 80,000 bushels per hour and will include a circle rail track capable of holding 120 railcars in addition to mainline locomotives with access to the BNSF.

Work on the project is expected to begin mid-May, with an anticipated completion date of May 31, 2017, weather permitting. The

site is approximately eight miles south of Conway Springs and six miles east of Argonia.

"The new assets will give area producers direct access and ownership in the supply and distribution chain, bringing them one step closer to world markets which will add value to our member-owner's farming operations," said Dave Christiansen, president and CEO, MKC. "The new facility fully aligns with our vision to be a financially strong, progressive, locally owned agri-business for our member-owners."

"CHS is excited to continue to expand state-of-the-art grain operations in the region with our partners at MKC," said Mike Johnston, senior vice president, CHS. "This new project is a great example of how cooperative relationships, like the valuable one between CHS and MKC, demonstrate our collective commitment to providing access to all markets

for producers' commodities."

The facility will be owned by Producer Ag, LLC, a limited liability company owned by CHS and MKC. Producer Ag, LLC is a 50/50 joint venture with a governing board of representatives from both CHS and MKC. The terminal will be operated by MKC. The LLC also operates a high-speed shuttle loading facility in Canton.

The LLC is a member of Team Marketing Alliance (TMA) which would handle grain marketing services for the Sumner County facility.

"The location in Sumner County quickly stood out as an excellent area when considering the number of acres in crop production, type of acres planted, grains produced, end users for bushels produced, and the future potential for production," Christiansen said. "We appreciate Sumner County's efforts to welcome us into the community and we look forward to helping local producers be more successful."

During the past several months, MKC has presented to both the Sumner County Zoning Board and the Sumner County Commission. MKC and CHS made announcements in November 2015 they were considering plans to build and operate a grain terminal in Milan.

ESTATE AUCTION

SUNDAY, MAY 22, 2016 — 12:00 PM NOON

Jefferson County 4-H Fairgrounds, 605 Ratz Street — VALLEY FALLS, KANSAS
NOTE: PRE-AUCTION ONLINE ABSENTEE BIDDING HAS BEGUN AT: www.ucnortheastkansas.com



VEHICLES & TRACTOR: 2004 Chevrolet Silverado 3500 Dually PU, 4-door crew cab, Vortec V-8, 4 X 4, 191k miles, long bed w/ gooseneck ball hitch; 1995 Lincoln town car, 4.6L V8, 238k miles; 1983 Ford F250, 4X4, AT, with a big bale bed, 71,184 miles; International 1066 turbo diesel tractor, dual hydraulics, 3-point, good rubber, blade mounting brackets not included, 7,329 hrs., 8-ft. blade w/International front mounting for 66 or 06 series tractors.

MOWERS, 4-WHEELER, TILLER ETC.: 2014 Craftsman VT 3000 riding mower, 21-HP, 42" deck (like new); 2011 Poulan Pro 24", 6.5 HP snow blower (used twice); 2015 Cub Cadet RT 45-rear tine tiller (used once); Briggs & Stratton Elite Series 5550 watt portable generator (used twice); 2002 Kodiak 4-wheeler, 4 X 4; ultramatic, front end winch; Swisher Predator 24" mower, 4-speed transaxle, 9-HP; Huskee 6-3/4 hp, 22 ton portable log splitter, new motor; 14' V-bottom aluminum boat and trailer.

ANTIQUE SIGN: Vintage double-sided FORD SERVICE porcelain sign in the shape of an old radiator.

UNI-LOADER & STOCK TRAILER: Case 90 XT Uni-loader, diesel, 7' tooth bucket; 2000- Circle D gooseneck livestock trailer; good 8' X 20' floor, some rust issues along the bottom but solid otherwise.

FIREARMS (KS residents unless you are an FFL or have FFL arrangements): Mossburg 12-ga. pump action shot gun, ribbed bbl.; Davis P32 semi-auto pistol; Remington model 700, 270 rifle, new in the box.

CAST IRON COOKWARE: Nice collection of cast iron including Griswold, New Triumph, Wagner, Stover and others. Waffle irons, kettles, skillets, food grinders, muffin pans, corn bread pans, griddles, Dutch oven etc.

SHOP TOOLS & EQUIPMENT: Makita cordless drill; Craftsman saber saw; Dewalt cordless drill 14.4V; Wagner HT 1000 heat tool; spray gun; tap & die set; air tools; Milwaukee sawzall; drill bit sets; Chicago 12V 1/2" impact; Rockwell 1/2" reversing drill; belt sander; 54" X 35" tool cabinet; Northern sawzall; Milwaukee Cabis saw; table saw; ratcheting screwdriver set; Kennedy 6-drawer tool chest; Kennedy 2-drawer tool chest; Kennedy 7-drawer tool chest w/side cabinet; 6-drawer bottom tool chest; Duracraft drill press; 3 1/2" vise; 6" bench grinder; 5" vice on stand; 6-plastic organizers (full); lots of wrenches and other hand tools; Water Wizard 1300 PSI presser washer; Homelite Super 2 17" chain saw; Feather Lite leaf blower.

MISCELLANEOUS: 5' step ladder; 2-fishing tackle boxes and contents; tie wire reel; yard hand cart; yard seeder; 7-position Versa ladder; creeper; Big Game tree stand; 30-elec fence posts; Flex Cut deluxe starter carving set; Weber kettle grill; Brinkman smoke n grill; and more.

AUCTIONEER'S NOTE: Doug was a personal friend of our auction company and is dearly missed by his family, community, and us. The big equipment, vehicles, firearms, sign, and cast iron items are for his estate. The shop tools and misc. are consigned by Jane Bell of Oskaloosa, which belonged to her late husband. Be on time. We look forward to seeing you.

SELLERS: THE ESTATE OF RUSSELL DOUGLAS VOELKER, JR. (Russell Douglas Voelker, Sr.- Administrator) and JANE BELL

Auction conducted by:



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Terms: Cash or bankable check. All items sold as-is with any faults. Statements made day of auction take precedence over advertising and previous statements. Full terms available on web site.

FARM AUCTION

TUESDAY NIGHT, MAY 31 — 7:00 PM

9141 S. Centennial Rd. — ASSARIA, KS. Directions from Salina, take I35 south to Ext 82 (Falun Exit) go west 1/2 mile to Centennial Road and then go south about 3/4 mile on east side of Road.

Tractors, Mower: 1983 John Deere 4250 Diesel tractor Quad Range, w/6073 hours, Fair rubber, AC, Front Weights, 3 point and dual hydraulics, New 3 point shaft, Oil changed in hydraulics, and new batteries, 1967 John Deere 4020 Diesel W/ 6670 hours, Good rubber, front weights, Hydraulic oil changed, new batteries, and fuel pump repair. Both tractors are straight, clean and have been in a shed. John Deere LT 150 Automatic Hydrostat 38" Riding Mower.

Combine: 6620 John Deere turbo, Hydrostat w/222 header, and fair tires with 1490 hours, New batteries, nice interior.

Truck: 1984 Chevy 60 series single axle truck w/V8 Detroit Diesel and 5 speed split ax with 67,000 miles, has AC with clean interior and exterior, metal 16 foot box and hoist.

Equipment: John Deere 315 double offset Disk, John Deere 960 sweep, 3 section, 30 foot Field cultivator.

Tools: There are a few hydraulic cylinders & some hand tools that sell last.

Auctioneers note: Please be on time as Equipment sells first. All machines have been in a shed. Ensure you have the funds or be financed to pay as we take cash and a good check!

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Riley County wheat plot tour planned for May 26

A tour of the Riley County Extension wheat variety plot will be held at 6:30 p.m. on Thursday, May 26 at the plot site located 5 miles north of Randolph on Hwy 77, then 2 miles east on Rose Hill Road, and 5/8 mile north on Halls Ravine Road. Ronnie and Roger Nelson are the co-operators.

The plot include: WB-4458, Everest, LCS-Wizard, Kan-Mark, LCS-Mint, SY-Monument, Winterhawk, WB-Redhawk, WB-Cedar, SY-Wolf, 1863, SY-Flint, WB-Grainfield, and Armour. St. Duncan, K-State Research and Extension Northeast Area Crops Specialist, will discuss the varieties.

of Farmway Co-op and the Kansas Wheat Alliance. The plot tour will be held immediately after supper, at approximately 7:00 p.m.

Reservations are requested by Tuesday, May 24 and can be made online at www.riley.ksu.edu or by contacting the Riley County Extension Office at 785-537-6350.

A free supper will be served at 6:30 p.m., courtesy



Kansas Pork Association sponsored closing keynote speaker Leah McGrath, above right, at the Kansas Academy of Nutrition and Dietetics Annual Conference.

Dietitians learn more about the ag industry

The Kansas Pork Association sponsored the closing keynote speaker, Leah McGrath, RD, LDN, at the Kansas Academy of Nutrition and Dietetics Annual Conference last month.

McGrath's address was entitled "Nutrition Doesn't Have to Be Boring: How to Frame the Message to Engage the Public."

McGrath has been a registered dietitian with the Academy of Nutrition of Dietetics since 1996. In the past few years she has become well known for her work in social media and is currently the most followed supermarket dietitian (@InglesDietitian) in the U.S on

Twitter. She coordinates both the Facebook and Twitter accounts for Ingles Markets and has developed innovative strategies to connect brands and products to consumers and inform customers about health and nutrition.

"We were excited to sponsor this session because we have seen the power of social media," said Jodi Oleen, KPA Director of Consumer Outreach. "In today's online food conversations, it's easy for the voices of nutrition professionals to get drowned out by the misinformation that's out there. We think Leah did a great job of help-

ing these dietitians create a plan to make their voices more prominent on social media."

Kansas Farm Food Connection (KFFC), of which KPA is a member, sponsored a pre-conference event which included a screening of the documentary "Farmland," followed by a panel discussion with farmers, ranchers and scientists.

KPA also had a booth at the conference with nutritional information about pork, as well as a sign up sheet for dietitians interested in attending the Farm Food Tour or Real Pig Farming Tour.

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SALE INFORMATION FOR MAY 12, 2016

CALVES BY THE HEAD		BLUE RAPIDS	
1 BLK HFR	\$560.00	1 CHAR COW	1,285@\$77.00
1 XBRD HFR	\$510.00	1 BLK COW	1,330@\$77.00
1 CHAR BULL	\$560.00	1 BLK COW	1,295@\$77.00
1 BLK BULL	\$500.00	1 BLK COW	1,370@\$77.00
1 XBRD BULL	\$425.00	1 BLK COW	1,925@\$76.50
1 BLK BULL	\$425.00	1 BLK COW	1,375@\$76.50
1 BLK BULL	\$385.00	1 BLK COW	1,420@\$76.50
1 BLK BULL	\$300.00	1 BLK COW	1,205@\$76.50
1 BLK HFR	\$300.00	1 BLK COW	1,540@\$76.50
		1 XBRD COW	1,555@\$76.50
STEERS		1 XBRD COW	1,475@\$76.50
6 XBRD BULL	269@225.00	1 BLK COW	1,290@\$76.50
1 BLK STR	265@219.00	1 RED COW	1,575@\$76.00
4 XBRD HFR	277@214.00	1 XBRD COW	1,675@\$76.00
3 XBRD BULL	328@213.00	1 XBRD COW	1,500@\$76.00
1 XBRD STR	425@208.00	1 BLK COW	1,245@\$76.00
5 XBRD BULL	341@208.00	1 BLK COW	1,295@\$76.00
10 BLK STR	506@205.00	1 XBRD COW	1,305@\$76.00
4 BLK STR	421@204.00	1 BLK COW	1,275@\$76.00
6 XBRD STR	540@202.00	1 BLK COW	1,245@\$76.00
9 XBRD STR	432@201.00	1 BLK COW	1,360@\$75.50
16 BLK STR	540@201.00	1 BLK COW	1,460@\$75.50
40 XBRD STR	511@200.00	1 BLK COW	1,495@\$75.50
4 XBRD BULL	375@200.00	1 XBRD COW	1,250@\$75.50
2 CHAR BULL	417@199.00	1 BLK COW	1,215@\$75.50
2 BLK STR	487@199.00	1 XBRD COW	1,645@\$75.50
7 BLK STR	453@196.50	1 RED COW	1,670@\$75.50
2 BLK BULL	385@196.00	1 BLK COW	1,305@\$75.00
6 BLK STR	525@194.00	1 BLK COW	1,730@\$75.00
2 RED STR	480@194.00	1 BLK COW	1,750@\$75.00
1 BLK STR	380@192.50	2 BLK COW	1,090@\$75.00
1 BLK STR	500@192.00	1 BLK COW	1,320@\$75.00
4 BLK STR	492@192.00	1 BLK COW	1,360@\$75.00
3 BLK BULL	411@191.00	1 XBRD COW	1,180@\$75.00
4 BLK STR	551@190.00	1 BLK COW	1,445@\$75.00
1 XBRD STR	370@189.00	1 BLK COW	1,175@\$75.00
4 WF STR	380@188.00	1 CHAR COW	1,390@\$74.50
2 BLK STR	407@186.00	1 BLK COW	1,280@\$74.50
1 BLK STR	510@185.00	1 XBRD COW	1,440@\$74.50
3 BLK STR	551@183.00	1 BLK COW	1,465@\$74.50
8 XBRD STR	551@177.00	1 BLK COW	1,495@\$74.50
4 BLK STR	611@173.00	1 BLK COW	1,295@\$74.50
4 BLK STR	606@171.00	1 BLK COW	1,490@\$74.50
1 XBRD BULL	510@171.00	1 CHAR COW	1,245@\$74.00
12 BLK STR	577@169.50	1 BLK COW	1,415@\$73.50
1 BLK BULL	505@167.00	1 BLK COW	1,355@\$73.50
6 BLK STR	669@166.50	1 BLK COW	1,350@\$73.50
1 BLK STR	595@166.00	1 BLK COW	1,365@\$73.50
7 MIX STR	658@160.00	1 XBRD COW	1,260@\$73.00
11 BLK STR	702@159.00	1 BLK COW	1,340@\$73.00
9 BLK STR	666@155.50	1 BLK COW	1,180@\$73.00
3 XBRD STR	590@155.00	1 BWF COW	1,780@\$73.00
65 MIX STR	811@151.60	1 RED COW	1,470@\$73.00
2 BLK STR	592@151.00	1 XBRD COW	1,715@\$73.00
1 XBRD BULL	620@146.00	1 BLK COW	1,310@\$72.50
125 BLK STR	889@145.75	1 BLK COW	1,760@\$72.50
8 XBRD STR	722@143.50	1 BLK COW	1,660@\$72.50
1 WF STR	825@140.00	1 BWF COW	1,435@\$72.50
59 XBRD STR	918@139.25	1 BLK COW	1,280@\$72.50
3 XBRD STR	680@138.50	1 BLK COW	1,575@\$72.50
2 BLK STR	780@136.50	1 RED COW	1,330@\$72.00
1 RED STR	725@133.00	1 XBRD COW	1,145@\$72.00
1 WF BULL	910@115.00	1 RED COW	1,480@\$72.00
1 BLK BULL	1,075@112.00	1 XBRD COW	1,185@\$72.00
HEIFERS		1 BLK COW	1,130@\$72.00
2 BLK HFR	345@184.00	1 BLK COW	1,525@\$72.00
8 BLK HFR	423@181.00	1 BLK COW	1,320@\$71.50
3 BLK HFR	361@180.00	1 RED COW	1,325@\$71.50
4 XBRD HFR	380@180.00	1 BLK COW	1,075@\$71.50
3 CHAR HFR	418@179.00	1 BLK COW	1,350@\$71.50
1 CHAR HFR	355@179.00	1 BLK COW	1,200@\$71.00
1 WF HFR	350@179.00	1 RED COW	1,690@\$70.50
15 BLK HFR	475@176.50	1 BLK COW	1,410@\$70.50
3 BLK HFR	481@174.00	1 XBRD COW	1,330@\$70.50
2 BLK HFR	370@174.00	1 BLK COW	1,210@\$70.50
3 BLK HFR	513@173.00	1 BLK COW	1,120@\$70.00
10 BLK HFR	523@172.50	1 XBRD COW	1,390@\$70.00
1 BWF HFR	455@170.00	1 BLK COW	1,220@\$70.00
13 XBRD HFR	462@169.50	1 RED COW	1,200@\$69.00
20 BLK HFR	506@169.00	1 BLK COW	1,120@\$69.00
2 BLK HFR	507@166.00	1 BLK COW	1,210@\$69.00
4 BLK HFR	510@164.50	1 BWF COW	1,075@\$68.50
1 BLK HFR	330@164.00	1 BLK COW	1,310@\$68.50
32 BLK HFR	579@161.50	1 RED COW	1,175@\$68.50
1 BLK HFR	455@160.00	1 BLK COW	1,210@\$68.00
2 BLK HFR	420@160.00	1 XBRD COW	1,135@\$67.50
1 BLK HFR	580@160.00	1 BLK COW	1,190@\$67.50
25 XBRD HFR	568@160.00	1 RED COW	1,385@\$67.50
3 BLK HFR	528@159.50	1 BLK COW	1,375@\$67.00
8 BLK HFR	548@159.00	1 RED COW	1,305@\$66.50
3 BLK HFR	608@157.00	1 XBRD COW	1,165@\$66.50
2 RED HFR	590@152.50	3 BLK COW	1,038@\$66.50
3 MIX HFR	550@151.50	1 XBRD COW	1,120@\$66.00
1 CHAR HFR	425@151.00	1 BLK COW	1,400@\$65.50
1 BLK HFR	610@149.50	1 XBRD COW	1,300@\$65.50
4 BLK HFR	656@147.00	1 BLK COW	1,235@\$65.50
6 BLK HFR	636@145.00	1 XBRD COW	1,075@\$65.50
1 RED HFR	675@142.50	1 BLK COW	1,400@\$65.50
1 BLK HFR	700@142.00	1 BLK COW	1,070@\$65.00
5 XBRD HFR	694@141.50	1 HANOVER	970@\$65.00
1 BLK HFR	600@138.00	1 BWF COW	1,395@\$65.00
1 BLK HFR	655@137.00	1 BLK COW	1,080@\$65.00
1 BLK HFR	765@131.00	1 BWF COW	1,210@\$65.00
1 BLK HFR	685@130.50	1 XBRD COW	1,645@\$65.00
2 WF HFR	862@129.50	1 XBRD COW	1,265@\$65.00
		1 XBRD COW	1,175@\$65.00
HFRETTES		1 XBRD COW	1,212@\$64.50
4 BLK HFRETTE	858@129.00	1 BWF COW	1,285@\$64.50
1 BLK HFRETTE	880@122.00	2 BLK COW	1,177@\$64.00
1 BLK HFRETTE	925@119.00	1 BLK COW	1,260@\$64.00
6 BLK HFRETTE	913@119.00	1 BWF COW	960@\$63.50
1 BLK HFRETTE	830@118.00	2 BLK COW	1,110@\$63.50
1 RED HFRETTE	825@118.00	1 BLK COW	1,290@\$63.00
1 BLK HFRETTE	970@117.00	1 BWF COW	985@\$63.00
1 XBRD HFRETTE	880@117.00	1 BLK COW	1,605@\$63.00
1 BLK HFRETTE	1,005@114.00	1 BLK COW	1,320@\$62.00
1 BLK HFRETTE	1,200@111.00	2 BLK COW	1,130@\$62.00
2 RED HFRETTE	852@111.00	WASHINGTON	2 MIX COW
1 RED HFRETTE	800@110.00	1 BLK COW	1,080@\$62.00
1 CHAR HFRETTE	1,075@109.00	1 BLK COW	990@\$61.50
1 BLK HFRETTE	1,275@109.00	1 BLK COW	990@\$60.50
1 BLK HFRETTE	860@109.00	1 BLK COW	1,150@\$60.50
1 BLK HFRETTE	910@108.00		
1 XBRD HFRETTE	855@107.00	ADULT BULLS	
1 BLK HFRETTE	1,110@103.00	WASHINGTON	1 BLK BULL
1 CHAR HFRETTE	1,085@100.00	1 BLK BULL	2,350@110.50
1 BLK HFRETTE	1,065@97.00	1 BLK BULL	2,405@98.00
1 BLK HFRETTE	965@97.00	1 BLK BULL	1,900@97.50
1 WF HFRETTE	940@97.00	1 BLK BULL	1,785@96.50
1 BLK HFRETTE	1,245@96.00	1 BLK BULL	2,025@95.00
1 BLK HFRETTE	1,020@95.00	1 BLK BULL	2,105@95.00
1 XBRD HFRETTE	1,100@93.00	1 BLK BULL	2,175@94.00
1 BLK HFRETTE	1,080@93.00	1 BLK BULL	1,885@91.50
1 RED HFRETTE	1,025@92.00	1 BLK BULL	1,785@90.50
2 BLK HFRETTE	940@92.00	1 BLK BULL	1,585@87.50
1 BLK HFRETTE	890@91.00		
1 BLK HFRETTE	925@90.00		
1 CHAR HFRETTE	1,140@86.50		
COWS			
1 BLK COW	1,255@81.00		
1 BLK COW	1,185@80.00		
1 XBRD COW	1,295@80.00		
1 RED COW	1,165@80.00		
1 BLK COW	1,400@79.50		
1 BLK COW	1,265@78.50		
1 BLK COW	1,245@78.00		
1 CHAR COW	1,180@78.00		
1 BLK COW	1,265@78.00		
1 BLK COW	1,275@77.50		
1 BLK COW	1,355@77.00		
1 CHAR COW	1,210@77.00		
1 BLK COW	1,645@77.00		

FARM HARD AG. PRODUCTS

BY HOFFMAN BROTHERS WELDING LLC

405 CENTRAL STREET HOYT, KS/785-986-6310

<h4>CONTINUOUS PANELS</h4> <p>4 BAR 14 GA 20'X 4' TALL \$66.00 5 BAR 14 GA 20'X 4' TALL \$79.00 6 BAR 14 GA 20'X 4' TALL \$89.00 7 BAR 14 GA 20'X 4'9" TALL \$103.00 4 BAR 11 GA 21'X 4' TALL \$89.00 5 BAR 11 GA 21'X 4' TALL \$109.00 6 BAR 11 GA 21'X 4' TALL \$123.00 7 BAR 11 GA 21'X 4'9" TALL \$135.00</p>	<h4>PORTABLE CORRAL PANELS</h4> <p>10' STANDARD 6 BAR PANELS \$99.00 10' HEAVY DUTY 6 BAR PANELS \$109.00 20' STANDARD DUTY 6 BAR PANELS \$189.00 20' HEAVY DUTY 6 BAR PANELS \$199.00 14' HEAVY DUTY BOW GATE \$299.00 10' BOW GATE \$199.00 4' WALK THROUGH GATE \$119.00 3' ALLEY WAY FRAME \$60.00</p>
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USED OIL FIELD PIPE

31' average length
 2 7/8" \$1.50 per foot
 2 3/8" \$1.25 per foot

POSTS

2 7/8" 8' \$16 2 3/8" 8' \$14
 9' \$18 9' \$16
 10' \$20 10' \$18

OTHER SIZES & LENGTHS AVAILABLE

<h4>FEED BUNKS & PANELS</h4> <p>20' PIPE BUNK OPEN END 24" \$475.00 20' PIPE BUNK CLOSED END 24" \$525.00 20' PIPE BUNK OPEN END 30" \$625.00 20' PIPE BUNK CLOSED END 30" \$675.00 20' BOTTOMLESS GROUND HAY FEEDER \$825.00 20' CONTINUOUS FEED BUNK PANEL \$189.00 10' PORTABLE FEED BUNK PANEL \$225.00</p>	<h4>CORRAL PANEL SETS</h4> <p>40 PIECE STANDARD DUTY SET W/PANEL TRAILER (38 PANELS, 1 BOW GATE, 1 WALKTHROUGH GATE) \$4950.00 40 PIECE HEAVY DUTY SET W/ PANEL TRAILER (38 PANELS, 1 BOW GATE, 1 WALKTHROUGH GATE) \$5250.00 12 PIECE STANDARD DUTY 35' ROUND PEN SET (11 PANELS, 1 WALK-THROUGH GATE) \$1075.00 16 PIECE STANDARD DUTY 50' ROUND PEN SET (14 PANELS, 1 WALK-THROUGH GATE, 1 BOW GATE) \$1625.00 BALE SPEARS & UNROLLERS SKIDSTEER MOUNT ROUND BALE \$575.00 SKIDSTEER MOUNT BIG SQUARE BALE \$850.00 3PT REAR MOUNT ROUND BALE \$600.00 AXIAL BALE UNROLLER HYDRAULIC DRIVE \$1600.00 TWIN ARM 3PT BALE UNROLLER \$1200.00</p> <p style="text-align: center; font-size: small;">Prices may be subject to change with material cost and adjustments.</p> <h4 style="text-align: center;">DISTRIBUTORS</</h4>
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Investigative article questions IARC processes

Reuters published an article questioning the processes used by the International Agency for Research on Cancer (IARC) in determining which carcinogen category various substances match. This investigation comes after a controversial decision by IARC to

place processed meats in the "carcinogenic" category and red meats in the "probably carcinogenic" category. Of the 989 substances and activities IARC has analyzed, the group has only ever categorized one item as "probably not carcinogenic."

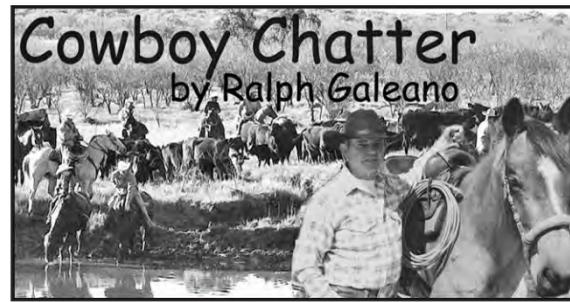
Not everyone in the scientific community agrees with IARC's methods, and even its parent group, the World Health Organization, had to make a statement following the red meat classification helping to clear up what IARC's findings really meant. Many have questioned whether or not IARC members are too biased on certain issues to give an objective analysis.

Bob Tarone, a statistician formerly at America's National Cancer Institute and now Biostatistics Director at the International Epidemiology Institute, said of the way IARC works, "It's not good for science; it's not good for regulatory agencies. And for people? Well, they are just being confused."

Geoffrey Kabat, a cancer epidemiologist at the Albert Einstein College of Medicine in the U.S., says the classifications do the public a disservice. "What the public wants to know is: What are the agents in our surroundings that are likely to have palpable effects on our health? Not theoretical exposures which might, under some far-fetched conditions, possibly have an effect,"

Tarone went on to further criticize IARC saying, "It's absurd to assert there are no issues of bias related to self-interest, reputation or careerism. It has nothing to do with bad motives; it's just human nature."

To read the full article from Reuters, visit <http://tinyurl.com/2016-04-22-IARC>.



Cowboy Chatter
by Ralph Galeano

Slow Down To Speed Up

Last winter I took in a horse to board for a man that was having trouble handling his horse. He was not only having trouble, he was putting himself in danger of some serious injury. When he first came to my place, I rode with him to see what type of problems he was having. It wasn't just one problem; it was a multitude of small things that amounted to the total lack of understanding the fundamentals of basic horsemanship.

We rode out to a pasture that had a concrete water trough for livestock. I rode up to the trough and let my horse drink. I watched the man and his horse. His horse didn't want any part of the concrete trough. He probably had never seen one before and was hell bent on steering clear of the evil-looking thing. Fidgety and nervous, the horse pranced around twenty feet from the trough trying to depart to what he thought was a better place. The rider repeatedly tried to stop him from leaving with some heavy leverage on the curb bit. I watched to see who was going to win. I felt the odds were in the horse's favor and I was right.

I decided to leave the water trough and move down the trail before somebody got thrown and possibly hurt. Instead of trying to calm the horse, the rider kept pulling and jerking the reins and calling the poor critter every name you can imagine, further antagonizing and confusing the animal.

Best to walk off down the trail and hope the rider would let his horse follow along to try and get some sense of calmness into the animal. As we walked along, I offered suggestions to the rider of how he could try a few things to make peace with his mount and hopefully get better results.

It was obvious the horse had not been treated well and was anticipating being snatched around and expecting harsh treatment from the bit. That, I figured, was why he was so nervous, was wild-eyed and prancing around trying to move away from the concrete trough when the rider was trying to force him to go up to it. I looked back at the horse and saw him fighting the bit with his mouth open and the reins pulled tight. It was like the rider was trying to stop an out-of-control freight train even though we were at a walk.

"Try easing off on the reins, give him a little slack, that bit is pretty tough on his mouth. If he starts to run off, just pull him around with a direct rein into a tight but gentle circle. Do it every time he tries to prance away and then bring him back to a walk and give him a little slack. I'll bet pretty soon he'll figure out that the best way to keep you from hurting his mouth is to simply walk and not

prance." I said. He tried it but didn't have much success. He simply couldn't get the hang of soft hands. When we got back to the barn, the man asked me if I would consider boarding and training the horse. I considered it and told him I would take the horse for a few months and after the first month, he would also have to come by a few days a week for lessons in basic horsemanship since he needed help in not only understanding the horse but the proper way to ride one of the critters. He readily agreed and seemed relieved I had put that condition into the deal. He knew he needed to learn how to ride.

The next day I started out with the horse. He was definitely a handful. He had a deep-down mistrust of a rider on his back. I knew I had a lot of convincing to do to get this horse to trust me. He was so nervous. I realized before I began any attempt to teach him anything, I first had to convince him that I wasn't going to inflict any heavy-handed treatment on his mouth. He was extremely hard to mount and tried every trick he knew to keep me off his back. We spent the first few hours on his ground manners and, eventually, I convinced him to stand still and not try to walk away when I tried mounting him.

The next day, I mounted him okay and he immediately started to take off. I pulled him around in a circle, brought him to a stop the way we were facing when I mounted and released all pressure. Away he went again. It took three days of this routine to get him to stop and stand still. This was one horse that I had to slow everything down before I could speed up to higher achievement. And so it went during that first month. Nothing earth-shattering happened but after two weeks, that wild-eyed look gradually went away and nervous prancing slowed to an occasional misstep. His ears even began to go from attention to parade-rest occasionally. And, I was finally able to mount him while he stood still and sit on him with slack reins and he would just calmly stand there with no intention of leaving until I gave a slight nudge with my spurs. Before that first month was over, I felt confident I had gained his trust.

Now the real work began instructing his owner to understand what soft hands are and how to transfer cues to his horse without hurting or frightening him. It is a work in progress but I can see the light at the end of the tunnel. Slowing down to speed up has helped both the horse and his rider to see that same light.

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

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

Date: 5/11/2016. Total head count: 452.
COWS: \$78.00-83.50; \$71-77.75; \$70 & down.
BULLS: \$95.00-111.00.

BULLCALVES		STEERS	
3 mix	372@184.50	5 mix	435@190.00
3 wf	382@178.00	3 blk	597@179.00
5 wf	447@187.00	3 blk	657@161.00
4 wf	468@166.00	7 blk	808@146.00
2 wf	783@126.00	15 mix	872@142.50
HEIFERS		5 mix	863@139.50
5 wf	354@171.00	3 mix	878@123.00
7 wf	450@178.00	36 mix	1000@133.00
4 mix	424@177.00	45 mix	1010@129.75
7 blk	644@147.50	15 mix	1019@129.75
7 blk	988@128.50	2 mix	1053@120.00

EARLY CONSIGNMENTS FOR MAY 18:
• 60 mix hfrs, 775-800 lbs, pending
• 300 blk red & char str, 850-950 lbs
NO SALE ON JUNE 22nd OR JULY 6th!

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

For Cattle Appraisals Call:
BRODY PEAK, 620-343-5107 GLENN UNRUH, 620-341-0607
LYLE WILLIAMS, Field Representative, 785-229-5457
WIBW 580 - 6:45 A.M. Thurs; KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.
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JC LIVESTOCK SALES INC.
Wednesday Sale, Hogs NOON • Cattle 12:30 PM

For the week of May 11th, 2016:

STEERS		15	670	140.25
4	343	212.00	57	728
3	395	204.00	47	788
3	535	204.00	6	832
2	593	188.00		
43	779	151.50		
32	811	150.10		
60	837	148.35		
60	858	148.00		
60	876	145.00		
31	905	141.25		
HEIFERS				
4	363	174.50		
5	392	170.50		
5	458	162.00		
5	490	159.00		
4	583	145.50		

UPCOMING SALE SCHEDULE
• June 1st sale • June 8th NO Sale
• June 15th Sale • June 22nd NO Sale
• June 29th Sale • July 6th No Sale
JULY 13TH BACK TO REGULAR SCHEDULE
Dates are subjectable to Harvest depending on when it is!

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

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JUNCTION CITY, KANSAS • Barn Phone 785-238-1471
Seth Lauer 785-949-2285, Abilene

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

KARL LANGVARDT 785-499-5434 Cell: 785-499-2945	MITCH LANGVARDT 785-238-1858 Cell: 785-761-5814	LYNN LANGVARDT 785-762-2702 Cell: 785-761-5813
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CLAY CENTER LIVESTOCK SALES INC.
Cattle sales Tuesday, 11:00 AM.

Market was \$5.00 to \$10.00 higher in all classes of cattle.

Top Butcher Cow: \$80.00 @ 1,575 lbs. **Bred Cows: \$1,075 to \$1,425**

Top Butcher Bull: \$97.00 @ 1,955 lbs. **Pairs: \$1,100 to \$1,825**

UPCOMING SALE SCHEDULE
• MAY 31ST NO SALE
• JUNE 4TH SHEEP & GOAT SALE
• JUNE 7TH SALE • JUNE 14TH NO SALE
• JUNE 21ST SALE • JUNE 28TH NO SALE
• JULY 2ND NO SHEEP & GOAT SALE
• JULY 5TH SALE
• JULY 12TH
BACK TO REGULAR SALE SCHEDULE
Dates are subject to Wheat Harvest.

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Differences in high- and low-profit beef producers influenced by record keeping, cost management

Profitability in cow-calf production can vary widely, so knowing what practices help support your operation can be crucial for a beef producer.

Dustin Pendell, Kansas State University livestock economist and co-author of the *Analysis of 2010-2014 Kansas Farm Management Association Cow-Calf Enterprise*, along with co-authors Youngjune Kim and Kevin Herbel, analyzed the differences between low-, medium- and high-profit cow-calf producers.

The report was written as an update to a similar publication that analyzed cow-calf enterprises from 2008-2012, and data were compiled from available information about revenue and expenses from producers enrolled in the Kansas Farm Management Association.

"We wanted to take a look again at the drivers and characteristics of producers who tend to be the most profitable," Pendell said.

Keeping thorough records of your costs and revenue is one of the best ways to control your profitability, the analysis found.

Returns over variable and total costs

In 2014, Kansas beef producers saw their largest average annual return since 1975 at \$589.50 per head, according to KFMA data. Six years previously, in 2009, the average annual return was at its lowest in the past 40 years at minus \$76.40 per cow.

"What we saw in 2009 was the lowest inventory, and what we're seeing now is that the cow-calf herds are being rebuilt," Pendell said.

"We're starting to see the cattle numbers increase, but there are other factors that are contributing to the difference in average returns as well."

Several reasons account for the almost \$670 difference in average return per cow between 2009 and 2014, he said. Along with cow-calf herds rebuilding the past few years, decreases in beef demand from 2008-09, a widespread drought in 2012 and an increase in beef demand in 2014 all contributed to the fluctuations within a relatively short timespan.

A high correlation exists between net returns over total costs and net returns over variable costs, according to Pendell. For instance, a medium-profit producer is likely to remain in the medium-profit category when all costs – not just variable costs – are factored in.

"Using the KFMA data –

the returns over total costs over the past 40 years – there were six years that had a positive (average) return," he said. "The other 34 years resulted in a negative return per cow."

When only six years of the past 40 years are profitable, staying in business may be a challenge, according to Pendell.

"However, if you're keeping records, that allows you to make better-informed management decisions," he said. "And, if you're able to make better-informed management decisions, hopefully in those bad years you are in the positive."

Cost management is key

The purpose of the analysis was to break down the different factors between high-, medium- and low-profit cow-calf producers, Pendell said. Over a five-year span (2010-14), researchers broke down the profitability of cow-calf en-

terprises, ranked them from highest to lowest profitability, divided them into thirds and analyzed the different practices of each group.

The highest-profit beef producers tended to allocate a higher percent of their labor to livestock production when compared to crop production and tended to be more specialized. They also had larger herds, slightly heavier cows at selling time and generated 16 percent, or close to \$134, more revenue per head.

Since beef producers are price takers rather than setters, profitability can be controlled best through cost management, Pendell added.

Two-thirds of the differences between net returns come from the costs; the remaining third comes from gross income, the economist said. When fixed costs are only favorable for the producer six out of 40 years, that's where the difference is made up.

"From a management standpoint, if producers track their records they can use those records to figure out if there's any opportunity for improvement, and that's probably going to come on the cost side," Pendell added.

Additionally, producers who specialized more in livestock production relative to crop production tended to have lower costs, although the reasons why need to be studied further, he said.

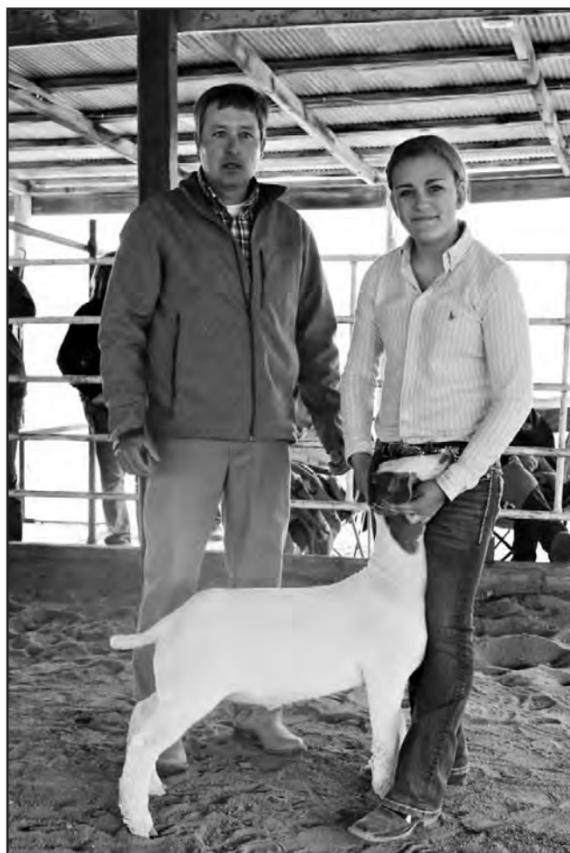
When data from 2015 becomes available, it will be added to the study, Pendell said.

"What we expect to see in the 2015 average net returns is probably not going to be as high as the 2014 returns, but we might see our second highest in the last 40 years," he added.

A video interview featuring Pendell is available on the K-State Research and Extension YouTube page.



Tate Crystal, Uniontown, led the reserve champion market meat goat at the Flint Hills Classic Spring Livestock Show. Shannon Scotten served as judge for the show that included 102 market meat goats and 57 breeding does.



Raine Garten, Abilene, showed the champion market meat goat at the Flint Hills Classic Spring Livestock Show in Eureka. Shannon Scotten judged the show.

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WASHINGTON, KS – PHONE 785-325-2243
Fax: 785-325-2244
** Sale Every Monday at 1 PM **
If you have cattle to sell, please call us anytime!

Results from 5-9-16:			
COWS			
1 black	985@117.00	1 black	1680@75.50
3 black	867@114.00	1 black	1520@75.00
1 bwf	1040@110.00	1 black	1560@75.00
1 black	1085@98.00	1 black	BULLS
1 black	1005@95.00	1 Char	1825@95.50
1 bwf	1820@76.50	1 Char	1990@94.00
1 Holstein	1730@76.50	FALL BRED COWS	
1 black	1605@75.25	1 black	1510@1325.00
1 black	1560@76.00	2 black	1598@1275.00
1 Holstein	1615@76.00	10 black	1371@1125.00
1 Holstein	1050@76.00	1 bwf	CALF
1 grey	1150@76.00	1 bwf	115@325.00

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View our live auctions at www.lmauctions.com
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Fieldman: Terry Ohlde: 785-747-6554
View our website for current market report!
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Eureka Livestock Sale
P.O. Box 267 Eureka, KS 67045
620-583-5008 Office 620-583-7475
Sale Every Thursday at 11:30 a.m. Sharp

On Thursday, May 12 we had 412 head of cattle with mostly packer cows & bulls.

STEERS			
2 red Char453@180.00	3 bk bwf 827@145.50	9 mix	569@150.00
3 bk 562@179.00	54 bk bwf 959@136.75	10 char	568@146.00
6 bk 457@175.00		4 bk	850@140.00
8 bk bwf 593@161.00		2 wf bwf	895@120.00
9 char 641@155.00		2 bk	1025@124.50
		3 bk	1163@120.00

HEIFERS

2 bk bwf 365@174.00	2 bk	1025@124.50
5 bk red 439@162.00	3 bk	1163@120.00

Butcher Cows: \$59-\$85, mostly \$73-\$83, steady to \$2 lower.
Butcher Bulls: \$93.50-\$109, mostly \$97-\$102, steady to \$2 lower.
Preg Cows: \$900-\$1,500. Pairs: \$1,675.

BUTCHER COWS			
1 blk	1325@85.00	1 blk	2280@107.00
1 blk	1175@83.50	1 blk	2505@106.00
1 blk	1150@82.00	1 blk	1840@105.00
1 blk	1290@81.50	1 blk	1875@104.00
1 blk	1455@81.50	1 blk	1730@102.00
1 blk	1405@80.00	1 blk	2245@100.00
1 blk	1460@80.00	1 wf	1640@98.50
1 blk	1735@79.50	1 blk	2175@97.50

BUTCHER BULLS **50 Packer Bulls sold.**

1 blk	1905@109.00
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EARLY CONSIGNMENTS FOR MAY 19 SPECIAL STOCKER FEEDER CALF SALE

- 300 fancy blk/bwf, few rbf steers & heifers, 400-650 lbs.
- 100 fancy Red Angus steers & heifers, 500-650 lbs.
- 55 fancy blk/bwf steers & heifers, 500-650 lbs.
- 85 blk bwf steers & heifers, 500-700 lbs., not weaned
- 60 mixed steers & heifers, 300-600 lbs., not weaned
- 150 mixed steers & heifers, 750-900 lbs.

20 mixed preg cows & pairs, 3-9 years old
Calves all home raised, weaned, 30-60 days, double vac.
CALL WITH YOUR CONSIGNMENTS TODAY!
Call Ron at 620-750-0123

We appreciate your business!

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

EL DORADO LIVESTOCK AUCTION, INC.

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

Market Report - Sale Date 5-12-16. Head count: 539.

300-400 lb. steers, \$140-\$197; heifers, \$130-\$187; 400-500 lb. steers, \$130-\$182; heifers, \$125-\$171; 500-600 lb. steers, \$130-\$180; heifers, \$120-\$158; 600-700 lb. steers, \$125-\$169; heifers, \$120-\$142; 700-800 lb. steers, \$125-\$145; heifers, \$110-\$136.

Trend on Calves: Choice steer & heifer calves, steady to \$3 lower. Trend on Feeder Cattle: Not enough feeder steers or heifers for a good market test. Butcher Cows: High dressing cows, \$70-\$76; Avg. dressing cows, \$55-\$70; Low dressing cows, \$25-\$55. Butcher Bulls, avg. to high dressing bulls, \$87.50-\$101. Trend on Cows and Bulls: Butcher Cows, \$2 lower; Butcher bulls, \$2 lower.

CONIGNED FOR MAY 19 SALE:
• 120 homeraised mixed str & hfrs, 1 rd shots, 400-600 lbs.

We welcome your consignments!
If you have cattle to consign or would like additional information, please call the office at 316-320-3212
Check our website for updated consignments:
www.eldoradolivestock.com

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

Cattle Sale Every Thursday 11:00 AM

Holton Livestock Exchange, Inc.

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

MARKET REPORT FOR TUESDAY, MAY 10, 2016
RECEIPTS: 821 CATTLE

STEERS			
3 bwf str	315@216.00	4 hols str	445@134.00
5 bwf str	372@208.50	4 hols str	427@126.00
3 blk bwf bulls	358@204.00	4 hols str	540@115.00
4 blk str	387@204.00	6 hols str	624@110.00
4 blk str	417@196.50	3 hols str	758@85.00
3 bwf char str	456@192.00		
6 blk str	322@191.50	HEIFERS	
11 mix str	452@182.00	3 bwf hfrs	403@170.00
6 blk char str	464@179.00	3 red hfrs	396@170.00
7 red str	470@179.00	4 blk hfrs	437@169.00
8 mix str	516@178.00	4 blk hfrs	386@162.00
4 blk bwf str	532@177.50	5 blk gry hfrs	543@157.75
4 blk bwf str	541@175.00	6 red blk hfrs	500@157.00
8 red blk str	559@172.50	24 mix hfrs	475@153.50
17 mix str	580@167.50	70 mix hfrs	751@144.35
5 blk rwf str	625@151.00	4 blk bwf hfrs	616@141.00
		7 blk hfrs	671@139.75
		21 mix hfrs	576@138.00

Dan Harris, Auctioneer & Owner • 785-364-7137
Danny Deters, Corning, Auct. & Field Rep • 785-868-2591
Dick Coppinger, Winchester, Field Rep. • 913-774-2415
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Craig Wischropp, Horton, Field Rep. • 785-547-5419
Barn Phone • 785-364-4114
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EMAIL: dan@holtonlivestock.com

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