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Academics by the acre – internships ready students for the workforce

By Philip McNew

For many University degree programs, practical experience is built into the curriculum. Nursing majors have “clinicals” in which they must participate, placing them in regional health care facilities to work alongside experienced professionals. Education majors must complete their student teaching semester, giving them first hand exposure to the demands of preparing the classroom for the day’s lecture. For Automotive and Engineering Technology majors enrolled in Pittsburg State University’s (PSU) Pittsburg College of Technology (COT) this practical experience, by way of internships, may not be specifically mandated but is highly encouraged.

One issue in making this type of educational experience mandatory is having an industry partnership in place, to facilitate this unique opportunity. For PSU, such a partnership exists with CNH Industrial (CNHi), makers of popular equipment brands such as Case, Case IH, and New Holland.

“We have been very fortunate to have successful Alumni working for CNHi,” stated Tim Thomas, chair of the Engineering Technology department at PSU “and these professionals have been key in fostering this program.” The process begins at the College of Technology’s Fall or Spring Career Fair with over 150 companies commonly in attendance. As students visit the CNHi booth, company representatives collect student resumes and make initial inquiries regarding the student’s goals and aspirations. After preliminary review, the company will then progress from on-campus interviews to final selection of qualify-



Intern Tyler Yahnig checking the CNHi technical database while on the phone with factory personnel in Grand Island, during a visit to Straub International, Larned.

Photo by Philip McNew

ing interns, cumulating with offers of employment.

For interns allocated to the company’s Harvesting Line Final Assembly Plant located in Grand Island, Nebraska, their experience is facilitated by CNHi’s New Product Quality Specialist, Kelly Burgess.

“When interns arrive we assign them a mentor for which they will be working, but more importantly the mentor is their key resource for any issue they may encounter during their membership on our team.” Interns are then involved in approximately a week of orientation discussing company policies, safety, day-to-day duties and expectations of the experience. “Major components of these student’s internship will be visiting customers in the field, interaction with dealership personnel, data collection, as well as projects here in Grand Island,” Burgess clarifies. “As with any piece of agricultural technology we are constantly upgrading and improving the quality, performance and advanced features of our product line thus, we want our interns to operate with the attitude that they are the eyes and ears of the factory, so to say.”

“We do make sure our interns realize we will treat them as “full-time” employees and impress upon them they are to be professional representatives of our company,” he continued. “Our interns are obviously in support of, or in addition to, our full-time team members. Regardless, we have the same expectations of their activities as any of our CNHi family.”

Mr. Thomas injected, “For many of our students this is their first experience in the corporate environment

and this intangible is difficult to replicate in the classroom, a great learning by-product of this internship.”

Students beginning their internships after spring semester classes, commonly travel from Grand Island to Texas and become an integral part of CNHi’s harvest support, for the wheat harvest as it migrates north to Canada. It should be noted that these internships are generally six-seven months in length providing an expanded learning experience versus the typical “summer” opportunity. Checking benchmark performance, collecting operator observations, reviewing software updates, ride-alongs with “custom cutters,” as well as interaction at the local dealership are all compiled in daily reports and sent back to Grand Island. “We have a standard reporting format our interns use, which includes digital photos, spreadsheet files and any other relevant information,” informs Burgess. Engineering Technology major and CNHi intern Tyler Yahnig adds, “Several of my reports were the center of attention during company on-line meetings, so you sure need to have double-checked your data and be ready for some technical questions when called on.”

Recent activities for interns has included data acquisition of engine performance, during the Environmental Protection Agency’s mandated diesel engine “Tier” evolution and even analysis of the Diesel Exhaust Fluid (DEF) tank, for its structural integrity.

“CNHi employs World Class Manufacturing as their quality methodology,” shares PSU’s Jason Kurzweil, “so this mandated that some of my projects be focused to-

ward root cause analysis of a variety of quality topics, even something as simple as decals.” For Kurzweil, one of the few in the group to be involved in a family farming operation, the experience had days where the magnitude just had to be relished. “My family runs a single machine with a 20-foot

wry grin appeared as he noted more than one 90-plus hour work week, to go along with the over 20,000 miles he traveled during his tenure with CNHi.

For several of these students this internship program has provided a worldly experience both figuratively as well as physically. For

meant travel to Australia in November for that continent’s wheat harvest and reliability analysis studies of various “next generation” components. 100 degree days in November were interesting to say the least for the Seneca resident but more surprising were field “conditions.”



For PSU student and family farm partner Jason Kurzweil, there were times where the sheer size of the operations had to be admired. Here Johnson Harvesting tackles ripened wheat in South Dakota.

Photo by Jason Kurzweil

header on our farm in western Missouri, shares Kurzweil. “On several occasions I was working on projects where there were eight and ten combines in the same field, pretty amazing,” he said, shaking his head with a grin.

For Automotive Technology major Bryan Bell, his internship was unique as he was assigned to CNHi’s Harvesting Marketing group out of Racine, Wisc. “I was on the Pro Demo team which traveled from dealer to dealer during the course of the country’s wheat harvest, demonstrating new machines to potential customers. We were there to run the combines with the customers and show them the ins and outs of a Case IH combine and answer any sort of questions they would have. We would also visit customers with recently purchased machines that might have questions on how to maximize the technology of the unit, as a whole.”

Southeast Kansas farmer Mike Coosman surmised, “From my point-of-view as a consumer, I can equate several advantages of this educational experience for these young people. They see first-hand the challenges today’s agribusiness operator faces regarding the ratio of machine efficiency to cost, potential issues with manufacturing quality and individually the simple realization that in this business, there is no such thing as nine to five.” For Matt Deters a



For PSU student-intern David Deters seeing deer, rabbits or pheasant dart between rows was expected, but the random kangaroo seen in Australia took a while to get used to.

Photo by David Deters

PSU’s Stephanie Henningsen, Matt Deters, Jason Kurzweil, and Matt Horne this meant travel to Grand Island’s sister facility located near Sao Paulo, Brazil. Their objective was to assist the resident CNHi team with the launch of new harvester models dedicated to that region. “We helped establish quality audit procedures, continuous improvement plans as well as manufacturing cycle times during the final assembly for these South American combines,” Horne provided. For David Deters, one of the first PSU students to intern with CNHi and brother to Matt, this

“In northeast Kansas seeing rabbits or pheasant dart out at end rows are commonplace but for Australians the random kangaroo was the norm,” he laughed.

Providing this kind of “real-world” experience is a major educational objective for Pittsburg State University’s, College of Technology. However, when the ups and downs of specific business sectors affect internship budgeting and staffing, this can be a challenge. Thus, the type of educational partnership highlighted, remains critical to the viability of this learning experience.



Boomin' times

By John Schlageck,
Kansas Farm Bureau

Being one of the early baby boomers there's plenty to talk about in my lifetime that's lasted into its sixth decade. During this wonderful, turbulent time my generation has been praised and pummeled.

We called for banning the bomb, making love not war, witnessed the horror and assassination of our beloved president John F. Kennedy, watched as integration took its first steps and beamed with pride as man first walked on the moon.

During our grade school years, penicillin was relatively new and saved millions of lives across this country and around the world.

We stood in a long line that wrapped the length of our school gym and took a sugar cube that contained the first polio vaccine. One of my classmates suffered from that terrible disease and walked with a limp the rest of her life.

Frozen food and TV dinners became the rage, although I never liked either. I preferred Mom's meals made from scratch with love.

Copying machines from Xerox made their debut in office buildings. We drank our sodas out of 12-ounce glass bottles. That was the "real" thing.

Plastic containers had yet to make the scene. During my sophomore year at Sheridan Community High School, Tab, the one-calorie

diet soda premiered – years before the diet soda craze took over the national landscape.

We shopped at five and dime stores where you could buy a candy bar for a nickel and a soda for a dime. You could call someone for a dime and mail a letter for four cents.

A new Ford coupe cost less than two grand in the mid-'50s and you could purchase a brand-new home for \$10,000. Heck, you can't even buy a car for that today.

Horned rim glasses were the rage and contact lenses a novelty. Frisbees and the pill ushered in the '60s.

The '60s – wow what a decade. War, free love, revolution, integration, college, making our own way without the oversight of our parents, neighbors, cousins and our small communities.

And the music, every year countless musicians like the Animals, Beatles, Stones, Cream, Dylan, Jefferson Airplane, Doors, Quicksilver Messenger, Country Joe and the Fish, Hendrix, Joan Baez and Roy

Orbison released new albums. Talk about classic rock, there's not a thing like it today. Never will be either.

As Dylan wrote about the times changin' – most of my contemporaries married first and then lived together. Manners meant, "Yes ma'am" and "Thank you."

Bunnies were no longer just furry critters named Bugs but beautiful young women serving drinks in upscale clubs in cities across the USA. Designer jeans were scheming girls named Jean or Jeanne.

We believed fast food was what we ate during Lent, not something eaten on the run. Househusbands, computer dating, dual careers and commuter marriages were still a decade into the future.

Yes, we arrived on the scene before day-care centers, group therapy and nursing homes although most of us have now encountered these phenomena. We started listening to our favorite music long before FM radio.

Continued on page 3



I probably should have aborted the trip before it ever started. Traveling at the end of April when I should have been getting cows out to grass probably set me up for failure. However, my wonderful, talented wife and wise, hard-working father (I am still trying to make amends) were there to carry on without me (and probably more capably). My flight departed at 4:45 from Kansas City, we had time to work the cows and calves at my house through that morning, or so we thought.

All I needed to do was to leave the house at noon; if we started right away it would be a piece of cake. Well, it was a piece of something all right, but it wasn't cake. Actually things weren't going too bad. The cows didn't want to come in, but we eventually got them. My new idea on how to run them through the chute didn't work too hot either, however, we fell into a rhythm and things were moving along.

Things were moving along right up until the cow pushed her way through the head catch and lodged her hips in the gate. After about 45 minutes of mechanic work we finally unbolted most of the head catch and freed the cow. This was all just in time to watch the cows in the cull pen go over the gate and mingle with the rest of the herd. Needless to say it was after noon when I got into the house and took a much-needed shower (there was no way I would have been allowed on the plane without one).

I am not a fast driver, but that day I was. I stood for fifteen minutes waiting on a shuttle bus from the parking lot (on the return trip, three buses would be lined up at my stop); it was going to be a miracle if I made my flight. I am happy to report that due to some very helpful people on my shuttle I walked onto my 4:45 flight at about 4:44 still putting my belt through the belt loops. I had made it.

My trip was to Louisville (Kentucky not Kansas) and I was quickly reminded that it was Derby week right away. My Uber driver (for those

of you who don't know, Uber is like a cab, only better) told me all about how Oaks Day was like a holiday and that no school or business would be open tomorrow. I asked about getting a cab or Uber the next day. He assured me it would be no problem. The next morning I waited 45 minutes for a cab driver to pick me up, paid an outrageous fee, only to have him drop me off in the wrong place. That is when I contacted the next Uber driver.

He picked me up after the meeting I was going to had already started. I was frazzled and annoyed. He made small talk with me and found out I was a farmer from Kansas. He told me he was a personal trainer when he wasn't an Uber driver. Then he asked me if I grew GMO crops. My first thought was, oh great, travel difficulties, now this. I prepared myself for a debate on the health and safety of foods made with GMO crops.

I explained to him the benefits of GMO crops; how they helped us grow more food, with fewer inputs and less impact on the environment. I also explained that no credible research had ever proven that there was any kind of risk associated with them at all. That is when he cut me off and told me that he had done his own research and came to the same conclusion and that he told this to all of the people he was a personal trainer for. I asked him if he had any kind of a farm background and he did not. My day was made and my trip was no longer a failure.

Maybe, just maybe, people are starting to see through all of the noise and misinformation. This Uber driver/personal trainer from Louisville, Kentucky gave me hope that all of the hard work we are doing in putting forth solid information and telling our story might just be working.

Now, the rest of my trip did not go any better. My meeting did not go real well, I waited for my flight in the Louisville airport for five hours and I had a middle seat on the flight home but somehow it all seemed worth it.

Prairie Ponderings

By Donna Sullivan

A week or so ago I met a very special little boy. I was covering Leonardville Pride's Cinco De Mayo event for our local paper when in he walked with his parents. He was carrying a plastic bag of coins, which he wanted to present to someone in the Pride organization. Each year he attends their summer event, the Hullabaloo, and enjoys it very much. So he wanted the money he had saved to go towards helping put it on.

"I like giving money to organizations," he said.

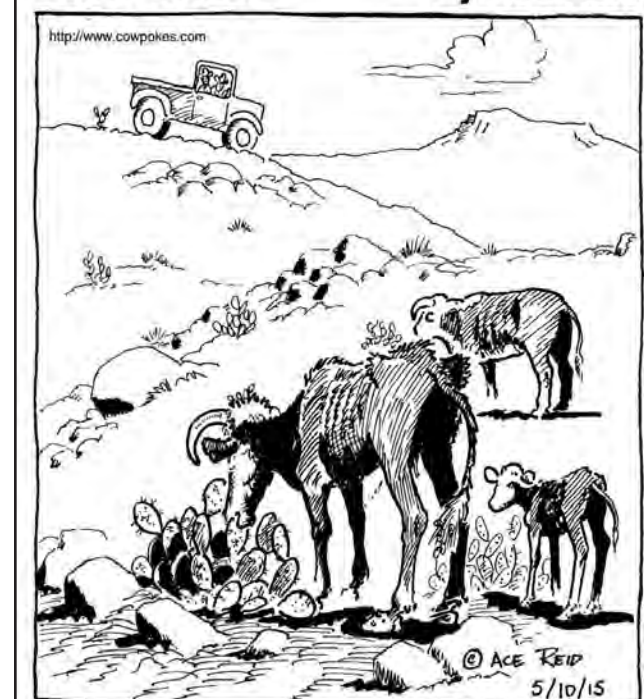
Wow.

Most seven-year-olds I know, and truthfully, most adults – have much more

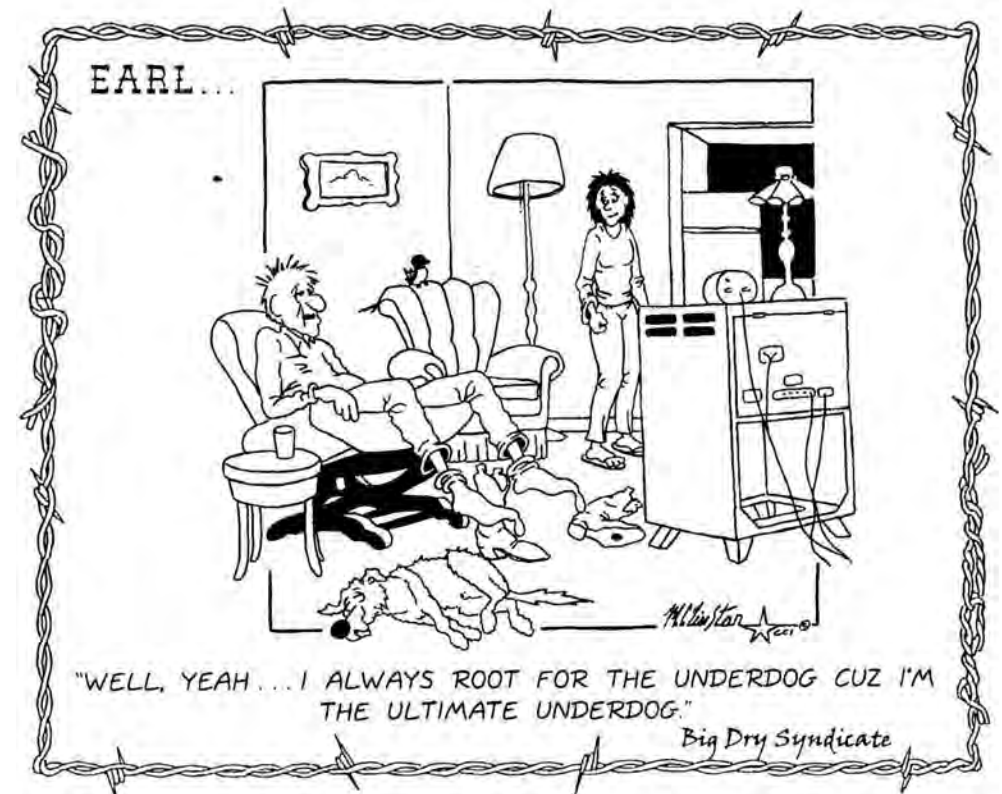
self-centered uses for their money. That's not all bad – we do have to meet our obligations. But here was a child that seemed to understand that the things we enjoy in life – while they might appear to the contrary – are never free. They are very costly, both financially and in terms of manpower. These one-day small-town festivals require months of planning and fundraising. And on the big day, those who planned and fundraised rarely have even a moment to enjoy the fruits of their labor, as they keep watchful eyes on every detail to make sure it runs smoothly. Often it's the same people, year after year, who put in the hours and never seem to tire from their efforts. Because if the truth were known, usually only about a month passes after an event before they're planning for the next year. Wise leadership in the organizations is always looking for new volunteers and giving them meaningful roles in the process so they feel their own sense of pride at the end result.

I sat down with the boy and his parents to enjoy our Super-Nacho meal. He told me about going fishing and what grade he was in and other seven-year-old things. I visited with his parents and learned they both have a great appreciation for small towns, which they had obviously passed on to their son.

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While the little bag of coins wouldn't have added up to a great deal of money, as the Pride representative accepted it, she beamed as though she'd been handed a million dollars. Why? I think it was because moments like that are when those volunteers and others like them all over the country really get to see their hard work pay off. They see it in the smile

ing faces of their community members as they enjoy the events; they hear it in the laughter of the children as they swing the bat at the piñata, bounce in a bounce house or slide down a giant slide. And they know that life in a small community, while it may not be perfect, really is pretty darned hard to beat.

Insight – Boomin' Times

Continued from page 2

For us time-sharing meant togetherness – not condominiums. Software wasn't even a word. When we were kids, "made in Japan," meant junk and the term "making out" referred to how you did on an exam.

In our day, cigarette smoking was still fashionable. Grass was mowed, Coke was a cold drink and pot was something you cooked in, not tripped on.

We discovered the differences between the sexes, but not sex changes. We were the last generation to think a woman needed a husband to conceive a baby.

Today, the golden age of boomers has become a distant memory. Instead of country clubs and Club Meds many of us are looking at the prospects of hearing aids, lens transplants and assisted living.

But hey, we once had the world by the tail. We kicked up our heels and lived like there was no tomorrow.

Now that tomorrow is here, it's time we continue to live, dream and experience each and every day with the same zest and exuberance for life that we once enjoyed in our youth.

For me that's continuing to tell the story of farming

and ranching, reading, family, friendships and listening to music.

I listen to blues, classical, blue grass, jazz and rock and roll. I prefer listening to analogue like I have for more than half a century. I listen to digital in the car.

It's almost time to spin some wax. You know, the latest craze, Daddy-O. Twelve-inch black vinyl on a turntable.

See you later, alligator. *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.*

ASA calls for assurances on grain inspection in reauthorization of Grain Standards Act

In response to several high-profile work stoppages that disrupted the flow of grain through the supply chain, American Soybean Association (ASA) director Bill Gordon testified before the Senate Committee on Agriculture, Nutrition and Forestry recently in Washington, calling on the committee to help ensure that grain inspections under the Grain Standards Act remain both mandatory and continuous, even in the event of a work stoppage due to strike or lockout. Gordon's testimony comes as Congress weighs reauthorization of the Grain Standards Act of 1976, under which official inspections are required for all export shipments.

"Our industry and our foreign customers are highly dependent on having a reliable and transparent export inspection and marketing system," said Gordon in his testimony. "It is critical that the requirement for mandatory official inspection of exported grains and oilseeds under the Grain Standards Act be maintained. In addition, there must be no question that, in the event of a disruption of

services, FGIS will continue to be required to step in to ensure the reliability and reputation of the U.S. inspection and weighing system."

Gordon, who farms in Worthington, Minn., testified on behalf of ASA, and had support from the American Farm Bureau Federation, National Corn Growers Association, National Association of Wheat Growers, and National Barley Growers Association. In his testimony, Gordon pointed specifically to last summer's longshoremen strike at the Port of Vancouver that disrupted inspection of shipments for more than a month before the state of Washington, which had been delegated responsi-

bility to carry out grain inspections at the port by FGIS, resumed its duties. Gordon called on the committee to establish a timeline for FGIS to step in and provide inspection in disputes like the one in the Pacific Northwest last summer.

"We encourage the Committee to engage (USDA) on whether it has discretion... to clarify when and how it will act to resolve a disruption of export inspection services by delegated state agencies," said Gordon. "If this discussion is in any way inconclusive, we recommend the Committee strengthen the language in the Act requiring FGIS to take action according to a fixed timetable based on a

number of hours rather than days or weeks. We further recommend that any state agency that withdraws services be suspended until the Department completes a review that confirms the agency is capable of resuming services without further interruption."

"Our grain inspection and weighing system is a fundamental guarantee to our foreign customers that supplies of U.S. grains and oilseeds will be officially inspected and not be disrupted," Gordon added. "Reauthorization of the Grain Standards Act presents an opportunity to correct the uncertainties in the system that have come to light in the last two years."

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GRASS & GRAIN *Our Daily Bread*
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Marilyn Hunt wins weekly Grass & Grain recipe contest

Marilyn Hunt, Salina: "As a young boy growing up in rural Jackson County, my husband picked gooseberries that grew along the creeks, then on Saturday nights, the family drove into Holton to shop and for the free movie and John sold his gooseberries for ten cents a gallon! Now we simply pick them from the bush he planted in our backyard garden!"

SOUR CREAM GOOSEBERRY PIE

- Pastry for double crust pie
 1 1/4 cups fresh gooseberries
 1 cup white sugar
 2 tablespoons all-purpose flour
 Scant 1/4 teaspoon salt
 1 cup sour cream
 2 eggs, well beaten
 1 teaspoon vanilla extract

Preheat the oven to 350 degrees. In a medium bowl stir together the gooseberries and sugar; let stand for 15 minutes. Line a 9-inch pie plate with one of the crusts. In a second medium bowl, stir together the flour and salt. Mix in the sour cream, eggs and vanilla. Add the gooseberry and sugar mixture and stir to coat evenly. Spoon into the pie crust. cover with second crust, crimp edges to seal, and cut a few slits to vent steam. If desired, brush lightly with milk and sprinkle with white sugar. Bake for 55 minutes at 350 degrees. Cool to room temperature.

- Shirley Deiser, Kanopolis:
OLIVE BALLS
 2 cups sharp Cheddar cheese
 1/4 cup butter
 1 cup flour
 1/8 teaspoon salt
 1/4 teaspoon mustard

- 1/4 teaspoon paprika
 8-ounce jar olives
 Melt cheese and butter. Add other ingredients except olives. Roll in balls around olives. Place on baking sheet and bake at 350 degrees for

10 minutes.

 Shirley Deiser, Kanopolis:
 "I add root beer to cake batter and frosting."
ROOT BEER FLOAT CAKE
 18.25-ounce package white cake mix
 1 3/4 cups cold root beer (divided)
 1/4 cup vegetable oil
 2 eggs
 1 envelope whipped topping
 In a small mixing bowl combine dry mix, 1 1/4 cups root beer, oil, eggs. Beat for 2 minutes. Pour into greased 9-by-13-by-2-inch baking pan. Bake at 350 degrees for 30 to 35 minutes or until toothpick comes out clean. In a bowl combine the whipped topping mix and remaining root beer. Beat until soft peaks form. Frost cake and store in refrigerator. Makes 12 to 16 servings.

 Doris Shivers, Abilene:
 "This is very good."
CARAMEL & APPLE POUND CAKE
 4 medium baking apples, peeled & cut into wedges
 1/2 cup apple juice
 1/2 pound caramels, unwrapped
 1/4 cup creamy peanut butter
 1 1/2 teaspoons vanilla
 1/2 teaspoon ground cinnamon
 1/8 teaspoon ground cardamom
 1 prepared pound cake, sliced

Coat inside of crock-pot or slow cooker with nonstick cooking spray. Layer apples, apple juice and caramels in crock-pot or slow cooker. Mix together peanut butter, vanilla, cinnamon and cardamom in small bowl. Drop by teaspoons onto apples. Cover, cook on low 6 to 8 hours or on high 3 to 4 hours. Stir thoroughly. Cover, cook 1 hour. To serve, spoon warm apples and sauce over cake slices.

It's Strawberry Time!!

By Cynthia S. Williams
 Meadowlark Extension District Agent
 Food & Nutrition, FNP

As the days grow longer and warmer, strawberries are first to show up in the market as they are in season from May to June. Strawberries are rich in vitamin C, which is linked to reducing the risk of certain cancers and lowering bad cholesterol levels. They are also rich in potassium and soluble fiber, and they provide a modest amount of iron.

There's no need to worry about limiting your serving sizes if you eat fresh, raw berries — 1 cup of strawberries only contains around 45 calories. You need only beware of adding sugar or high-fat products that add extra fat and calories, such as pie crust and whipped topping.

Selection tips:

*If you gather berries from a pick-your-own berry patch, go at the beginning of the season to get the best

berries. As the season progresses, the berries are smaller and less fully developed, but still juicy. Late-season strawberries aren't best for eating, but they are still great for jellies, jams and baking.

*If you grow your own strawberries, allow them to fully ripen before picking. Strawberries do not ripen after being picked.

*Most berries found in stores have been bred for hardness, both in the field and in shipping, and are picked before they are fully ripe. This results in a firm-textured but less flavorful berry.

*Large berries have the least flavor. Medium berries tend to be the tastiest.

*Choose firm, dry, bright red berries with fresh green caps.

*Check berries to make sure they are mold-free. If one berry has mold, mold spores will have traveled to the other berries in the same container.

*One-half pounds of whole strawberries = 1 quart or about 4 cups sliced berries.

Storage Tips:

*Use strawberries as soon as possible after harvest or purchase. Refrigerator storage can dull the flavor of the berries.

*Store loosely covered, unwashed berries in the coldest part of the refrigerator for two to three days at most. Do not wash berries until you are ready to use them. Leave the berry caps on until after berries are washed to prevent water from soaking into the berry. Removing the caps starts the destruction of vitamin C, so serve your clean berries with caps intact when possible.

*To wash, place berries in a colander and rinse under gently flowing cold water. Berries that sit in water will lose their color and flavor.

Mix-at-Home Cleaners

By Patricia Gerhardt, RVD
 Extension Agent

Household cleansers that you make yourself are often promoted as 'safer', 'healthier' or 'cheaper' than commercially formulated cleaning products...But are they? Maybe. Maybe not. It depends. It's important to know — and trust — who/where the information is coming from. Is it credible? Has it been tested? Remember, too, that the advice

you hear to create your own cleaning product recipes doesn't come with specific instructions on the safe or proper use, storage or disposal of the product.

All cleaners, whether purchased ready-to-use or mixed together in your own kitchen sink, are made up of chemicals. All chemicals (even common table salt) are harmful at some level of exposure. Commercial products have been evaluated for safety prior to ever being put in consumers' hands.

Commercially formulated cleaning products are tested, packaged, and labeled in accordance with standards set up by government agencies such as the Consumer Product Safety Commission and the Environmental Protection Agency. Consumers not only receive directions on how to use and store the product but what to do for an accidental exposure. Precautions and toll-free 'help' numbers are often provided.

Cleaning products mixed at home most often do not have these precautions.

Consumers may know how the ingredients act alone but may be unaware of the effects of combining this chemical with another product. Doing so may release harmful vapors or other unsafe chemical reactions. Another caution to take with mix-at-home cleaners, is the container it is put into. Is it child-safe (like its commercial counterpart)? Can it be 100% cleaned from the previous product it contained? If old food or beverage containers are used, could this home-made cleaning product be mistaken for something edible? Is there adequate labeling others will understand on this new mixed-at-home cleaner? With mix-at-home recipes, responsibility for product safety falls solely on the person who makes up the product.

Commercial products include directions on how to safely use the product for maximum effectiveness. If this information isn't available on mix-at-home products, consumers may use too much (which might cause damage) or too little (which might mean the cleaning will be ineffective or have to be repeated sooner than necessary).

Whether commercial or made-at-home, the best way to dispose of cleaning products is to use them up or share the remaining product with someone else. Empty packages can then be recycled or discarded with other household waste. If you find you can't finish the product, read the label again. If it's water soluble (mixes with water for cleaning) such as laundry and dishwashing detergents, multi-surface cleaners, bleaches, disinfectants, liquid metal cleaners/polishes, drain openers and toilet bowl cleaners, flush the excess down the drain with plenty of water. Dispose of powders in small quantities so they don't clog the drain. Solid cleaning products (bar soaps, toilet bowl cleaners, soap scouring pads, etc.) can be disposed of in the trash. Cleaning products that can't be combined for cleaning should not be combined for disposal either.

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Half My Plate, Really?

By **Barbara L. Ames**
Wildcat District
Extension Agent
Independence, Kansas

It's no surprise that healthy eating includes fruits and vegetables since research shows that people who eat more fruits and vegetables as part of an overall healthy diet are likely to have a reduced risk of some chronic diseases. In fact, MyPlate recommendations say we should make half of our plate fruits and veggies at each meal. For adults, that is about 2 1/2 cups of vegetables and 2 cups of fruit per day. For children, 1 1/2 cup of fruit and 1 1/2 cup of veggies will meet their daily needs.

As you plan your week's meals, this can seem overwhelming, particularly if you have a picky eater at your house. Here are some tips adapted from Iowa State University Extension's "Spend Smart. Eat Smart," to help you make fruits and veggies a fun part of every meal.

1. Mix it up - choose a variety of fruits and vegetables to purchase each week. Fresh, canned and frozen varieties are all nutritious. When shopping for canned fruits, choose those packed in water as opposed to syrup. Allow your children to help choose a new fruit or vegetable they would like to try.

2. Work veggies into your family's favorites. Whether it is mac and cheese, pizza or chili, there is always room for a veggie boost.

*Add frozen mixed veggies or broccoli to macaroni during the last 3 minutes of cooking time.

*Top pizzas with spinach leaves, chopped tomatoes and peppers.

*Boost your chili's flavor and nutrition with chopped peppers or grated carrots.

3. Don't forget about breakfast! Start your day off right with fruits and veggies.

*Serve fresh or canned fruit as a breakfast side dish, so quick and easy!

*Smoothies are a fun way to work fruit into a breakfast that children tend to enjoy. Try blending a banana, berries, or other fruit with yogurt for a cool summer breakfast.

*For busy mornings, have breakfast ready in the freezer! One possible recipe is Make Ahead Breakfast Burritos which can be ready in no time and they include veggies. Find it at: <http://www.extension.iastate.edu/foodsavings/recipes/make-ahead-breakfast-burritos>

Serve fruit on the side and you're well on your way to a healthy day.

4. We're just getting into the growing season here in Kansas. When fruits and veggies are in season, they will likely be at their peak of flavor and at lowest price.

*Consider planting a garden or growing some veggies in containers. This can be a fun family activity that also provides tasty and nutritious vegetables for your table. Also, kids are more

likely to eat vegetables they have helped to grow.

*Shop your local Farmer's Market to find locally grown fruits and vegetables to help you make half your plate fruits and veggies.

For more information this and other topics, please feel free to contact the Wildcat Extension District, Crawford County, 620-724-8233; Labette County, 620-784-5337; Montgomery County, 620-331-2690; Pittsburg Office, Expanded Food and Nutrition Education (EFNEP), 620-232-1930. Wildcat District Extension is on the Web at <http://www.wildcatdistrict.ksu.edu>. Or, like our Facebook page at facebook.com/wildcat.extension.district.

Make Ahead Breakfast Burritos

Makes 8 burritos

- 1 cup diced potatoes (1

- medium potato)
- 1/2 cup diced onions (1/2 medium onion)
- 1 cup diced bell peppers (1 medium pepper)
- 8 beaten eggs
- 1/8 teaspoon garlic powder
- 1/4 teaspoon pepper
- 1 cup shredded 2% reduced fat cheddar cheese
- 8 flour tortillas (8 inch)

Spray a large skillet with nonstick cooking spray. Cook the potatoes for 6 to 10 minutes over medium heat.

Add onions and peppers to the potatoes. Cook for 3 to 4 minutes until the potatoes are browned.

Add beaten eggs to the vegetable mixture. Cook for 4 to 5 minutes over medium heat. Stir off and on until there is no liquid.

Stir in the garlic powder and pepper.

Make each burrito using 2 tablespoons of cheese and 1/2 cup of the egg mixture. Serve or freeze.

You can freeze the burri-

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tos. Wrap each burrito tightly in plastic wrap. Freeze in a single layer on a cookie sheet. Seal wrapped burritos in a freezer bag when they are frozen.

To reheat the frozen burritos: Remove the plastic wrap. Wrap burrito in a damp paper towel. Set microwave on medium power. Heat burrito for 3 to 4 minutes.

Tips

• Add hot peppers, salsa, or cayenne pepper for a spicier burrito.

• Wash hands after handling raw eggs and before making burritos.

• Wash vegetables under running water.

Nutrition Facts for 1 bur-

rito: Calories 270; Total fat 9 g; Saturated fat 3 g; Trans fat 0 g; Cholesterol 190 mg; Sodium 500 mg; Total carbohydrate 31 g; Dietary fiber 2 g; Sugars 4 g; Protein 14 g;

Vitamin A 15%; Vitamin C 40%; Calcium 15%; Iron 15%.

Source: Spend Smart. Eat Smart. Iowa State University Extension

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Beef makes significant contribution to societal, economic fabric of Kansas

Many products get publicity and special recognition during the year. But in Kansas, if any product deserves its own month, it's beef. That's why Kansas governor Sam Brownback has

declared May as Beef Month in the state. This declaration makes this the 31st consecutive year beef has received this honor.

According to Barb Downey, chair of the Kansas

Beef Council, the value of beef to the economy and social fabric of the state is remarkable. "With six million cattle on ranches and in feedyards in the state, Kansas ranks third in the

country," says Downey. "That's more than twice the state's human population. Kansas cattle producers are proud of the nutritious, delicious beef they help bring to tables in this state, across the country and around the world."

Kansas also ranked third in cattle cash receipts, generating a record-setting \$8.9 billion last year. This is up more than \$1 billion compared to 2013. Additionally, the state ranked third in the U.S. in the value of beef production for 2014 at \$4.68 billion. Kansas has about 46 million acres of farm ground. Not all of this land can be used to grow crops, however. Grazing cattle is an ideal technique for efficiently utilizing grasses and plants growing on almost 16 million acres of Kansas pasture and rangeland. These acres would be wasted if not for ruminants like cattle that can turn these resources into essential protein and nutrients for humans.

Kansas also ranked second in fed cattle marketed,

with 4.82 million in 2012. This represents 19 percent of all cattle fed in the United States.

The effect of the beef industry on employment is significant as well. According to the American Meat Institute, Kansas companies that produce, process, distribute and sell meat and poultry products employ as many as 19,502 people, and generate an additional 48,070 jobs in supplier and associated industries. These include jobs in companies supplying goods and services to manufacturers, distributors and retailers, as well as those depending on sales to workers in the meat industry.

The product they help bring to market is one that contributes substantially to the human diet. Beef provides ten essential nutrients, including zinc, iron, protein and B vitamins. It does all this for only 150 calories per three-ounce serving. In fact, a serving of beef provides the same amount of protein as three servings (1 1/2 cups) of cooked black beans - which have

341 calories.

Even though the price of beef has gone up recently, Downey says beef remains a good value, and it's still possible to find a vast number of beef cuts that will fit almost any budget. From burgers to steaks and roast beef to barbecue, she says consumers continue to demand the taste and variety provided by beef.

Kansas ranchers and feeders are committed to producing beef responsibly and sustainably, Downey says. But beef production refined over many generations is only part of the story. Producers also keep consumer needs and wants top of mind.

"While all aspects of beef raising and processing are important, producing beef that is delicious, safe, wholesome and nutritious is 'job one' for our industry," according to Downey. "After all, producers of beef are also consumers of the beef they produce. We are proud of our role in this terrific food that so many people enjoy."

Beef Sustainability

MEETING GROWING GLOBAL DEMAND BY BALANCING ENVIRONMENTAL RESPONSIBILITY, ECONOMIC OPPORTUNITY AND SOCIAL DILIGENCE THROUGHOUT THE SUPPLY CHAIN.

70% percent more food needed to feed a growing population

The beef industry has improved its sustainability by 5% in just 6 years to help meet those needs.

The Beef Checkoff Program launched a comprehensive lifecycle assessment to quantify and benchmark environmental, social and economic aspects of beef industry sustainability from 2005 - 2011.

Improvements included:

- 10% Emissions to water
- 7% Emissions to soil
- 2% Greenhouse gas emissions
- 32% Occupational illnesses and accidents
- 2% Energy use
- 2% Resource consumption
- 3% Water use

How was sustainability improved?

- Increased use of precision farming techniques
- Improvements in crop yields
- Improved genetics, health and nutrition for cattle
- Increased use of biogas capture and conversion
- Improved implementation of right-sized packaging

Future opportunities to further increase sustainability:

- Continue to increase waste water recovery and biogas capture
- Explore additional packing alternatives to reduce inputs
- Reduce food waste
- Continue to optimize nutrient application to soil and crop yields
- Further adoption of water efficient irrigation systems

Committed to a journey of continuous improvement

Funded by the Beef Checkoff.

Source: Beef Industry Sustainability Lifecycle Assessment, funded by the beef checkoff

BEEF'S BIG 10

Do more than just get through the day - be your best every day. Here's how beef's essential nutrients can help.

- VITAMINS B6 and B12** help maintain brain function. B-vitamins in beef help give you the energy to tackle busy days.
- IRON** helps your body use oxygen.
- CHOLINE** supports nervous system development.
- PROTEIN** helps preserve and build muscle.
- SELENIUM** helps protect cells from damage.
- ZINC** helps maintain a healthy immune system.
- PHOSPHORUS** helps build bones and teeth.
- NIACIN** supports energy production and metabolism.
- RIBOFLAVIN** helps convert food into fuel.

All lean beef cuts have less than 10 grams of total fat, 4.5 grams or less of saturated fat and less than 95 milligrams of cholesterol per 3 1/2-oz. cooked serving. **Surprise! Some cuts of beef are as lean as a 3-oz. skinless chicken thigh.**

BEEF GIVES YOUR BODY MORE

of the nutrients you need. A 3-oz. serving of lean beef provides the following nutrients in about 150 calories.

Calories	8% DV
Protein	48% DV
B12	44% DV
Selenium	40% DV
Zinc	36% DV
Niacin	26% DV
B6	22% DV
Phosphorus	19% DV
Choline	16% AI*
Iron	12% DV
Riboflavin	10% DV

The "daily value" percentage (aka DV) helps you determine how much of a particular nutrient a food contributes to average daily needs. Each nutrient is based on 100% of the daily requirements for that nutrient (for a 2,000 calorie diet).

*AI stands for Adequate Intake. The highest AI for Choline is 550mg.

DID YOU KNOW?

- Don't be left unsatisfied. A 3-oz serving of lean beef provides 25g (about half) of the Daily Value for protein, which is one of the most satisfying nutrients.
- Get your workout in! Exercise is more effective when paired with a higher-protein diet.
- Interested in heart health? Research shows that including lean beef, even daily as part of a heart-healthy diet and lifestyle, improved cholesterol levels.

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For recipes and more visit BeefItsWhatsForDinner.com

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Disturb not the dead

The dead lie easy at Alcove Spring, their bodies long turned to dust in unmarked graves dotting the rich fertile soil of the river bottoms or high on the windswept uplands overlooking the Big Blue River valley. How many lie there or up and down the river or hemming the imperceptible path of the Oregon Trail bisecting the river crossing may never be known. Some were famous, not at the time and not for themselves but for the grisly fate that befell their progeny, while the others, like those unearthed near Westmoreland during the construction of K-99, the 50 or so Mormons buried outside of Atchison, or the

thousands of others scattered from Missouri to the Pacific Coast, remain nameless and always will be.

The dead lie easy at Alcove Spring, neither caring about their nameless state nor of their timeless invisibility, oblivious of spring rains that turn the meadows green or winter snows that blanket the ground. They care not a whit about seasons nor calendars nor the burrowing of moles displacing their bones. But for the living the dead pose a problem. The living want answers. They want the unknown known. Their intractable belief in maps and facts and diagrams and certainties totters when con-

fronted with the unremembered, the unrecognized, the forgotten. At Alcove Spring, where the unnumbered dead slumber, all but two had names that passed into oblivion with their passing. Sarah Keyes, the most famous of the deceased, was buried a short distance from camp under an oak on the right side of the trail, according to an entry written by Edwin Bryant. Since then historians have argued and quarreled and fought over its exact location, some saying it was closer to the river to the west of the existing swales, others that it was nearer to the hillside. The addition of a replica of

Keyes' tombstone several years ago near the parking lot was met with disdain and dismay by a number of people who felt that historical accuracy had been superseded by convenience. When told that the logical placement would render the replica virtually invisible to the average tourist for whom a jaunt of several hundred yards was an unimaginable trek, their response was, so what? History deserves better, and so do the dead. But the dead don't care.

John Fuller was written into the historical record when a musket he pulled from his wagon discharged into his face. Where he lies is anybody's guess. It doesn't really matter.

There are more, though how many more nobody knows. Those that are known or at least guessed at include a small number of cholera victims lying in an unmarked cemetery about a half-mile south on a sharp bend of the river, their final resting place marked only by one or two small blocks of limestone whose inscriptions have weathered away. Several years ago a team of historians surveyed the cemetery with the latest

ground-sensing technology, but facts refused to materialize. And now, with the upcoming Orchestra on the Oregon Trail scheduled for September 6 at Alcove Spring, the living are once again shifting their attention to the dead. As required by the historic preservation act, representatives and staffers from the Salt Lake City National Park Service office, the Kansas State Historical Society's preservation office and the state archeologist will evaluate two potential parking lots to ascertain if graves are present. Four teams armed with metal detectors will scour the uplands looking for burial sites as well as former campgrounds and other areas of interest. The dead may or may not relinquish their secrets. The dead sleep; they do not care.

I was once with a group of "witchers" in the meadow grooved with wagon swales, and had the chance to try my hand at it. The sensation of the two bent metal coat

hangers gyrating above what the leaders insisted were graves was both eerie and full of wonder. It reminded me of the time I played with an Ouija board, a morally questionable if not potentially soul-endangering pursuit for an inquisitive Baptist kid. Using common objects like coat hangers or a forked stick, we had breached the wall dividing the living from the dead, from flesh and blood and bone to restless spirit and the greatest unknown. As much as it marked me as a dubious believer, my faith was shaken when I realized we were dowsing in what appeared to be a natural drainage area coming off the high ridge to the east. Wasn't the same technique used to find water? If so, wasn't it just as likely that we were tapping into an underground spring?

It didn't matter. It never matters, for the dead do not casually entertain the living. The dead lie easy at Alcove Spring. Only the living are restless.

Kansas CCA board announces August exam registration

Become a Certified Crop Adviser (CCA) with an accreditation exam, experience and a commitment to continuing education. Any individual whose education, experience, and career path is associated with the practice of agronomy should take the CCA exams. This includes college students, agronomists, salespeople, consultants, educators, and conservation personnel.

Join fellow agronomy professionals by starting the process to become certified and register for the August CCA exams. Registration is now open for the August 7, 2015 examination date. Go to www.certifiedcropadviser.org/exams to learn more. Registration deadline is June 26, 2015. The Kansas exam is administered in Salina.

The two comprehensive exams cover nutrient management, soil and water

management, integrated pest management, and crop management. CCA certification is the standard by which agronomy professionals are judged nationwide. Passing the exams is the first step towards gaining your certification and creating opportunities for earning and advancement.

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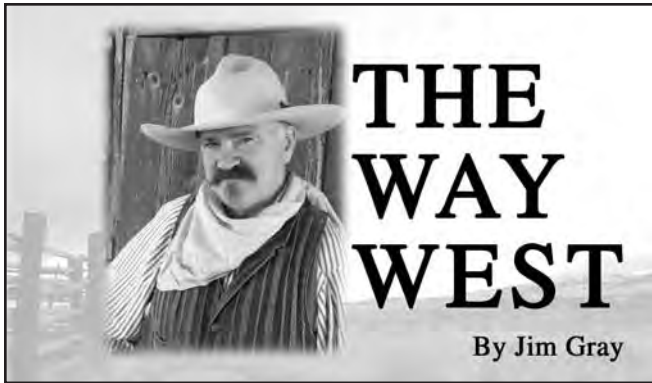
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THE WAY WEST

By Jim Gray

Clash of Culture on the Kansas Frontier

The thrust of European civilization onto the plains was most certainly a cultural shock to the native tribes. The Indian was expected to conform to the ways of the invading society. No real effort was made to understand the traditions of the original prairie people.

For generations young braves had participated in horse stealing as a right of passage. Stealing horses from an enemy brought honor to the young man who risked his life to bring back horses from a rival village. The same could be said of the young men of that same

rival village. Although dangerous, horse stealing was more sport than battle, cheered on by the villagers on both sides.

When the white culture arrived on the scene the stakes were changed. Stealing a horse was considered a hanging offense that not only brought a decree against the thief, but held the entire offending culture guilty and worthy of death and subjugation. The Indian war of 1864 which resulted in the slaughter of hundreds of innocent men, women, and children was begun over the perceived theft of a few cattle and horses.

The Indian sense of hospitality also got them into trouble time and again. When traveling over the country an isolated settler's

cabin was recognized as an opportunity to gain a free meal. Raised to be hospitable, Indians readily gave food to wayward travelers. Asking for food was a widespread facet of native culture. Many a frontier wife had the wits scared out of her when a handful of braves arrived at her door expecting to be fed.

The Pawnee served as scouts for the U.S. Army against the Cheyenne, Sioux, Arapaho, Kiowa, and Comanche. Even though the Pawnee had an unusually close relationship with frontier settlers, misunderstandings occurred. At Ellsworth a band of Pawnee scouts tried to take in the town like their "white brothers." As they passed from saloon to saloon their growing intoxication alarmed the citizens. When confronted by Deputy U. S.

Marshals a tense situation erupted in gunfire. When the smoke cleared two of the scouts lay dead in the street.

Dime novels and sensational journalism contributed to a general misunderstanding of native culture. Travelers with wagon trains were advised to shoot at approaching Indians to keep them at a distance. The manufactured distrust had a great deal to do with the pervasive inability to bridge the discord between the two divergent cultures.

A Pawnee by the name of Spotted Horse thought he had made friends in Caldwell. Spotted Horse often visited Caldwell with one or more of his wives, making themselves at home wherever they went. Spotted Horse and one of his wives drove a two-horse wagon to Caldwell to take in the town

over a weekend in May. The following Monday morning, May 14, 1883, the two walked into the Long Branch restaurant at about 6:30. After taking a table they ordered breakfast, but the owner, being wary, asked for payment. The idea was unacceptable and Spotted Horse insisted that they be given the food they desired. With that the two were summarily refused and banished from the place.

They wandered around town a while before entering the Moreland House. The Moreland proprietor gave them a sack of cold meat and bread. But Spotted Horse and his woman didn't fully appreciate the contribution. Carrying the unsampled sack the two evidently followed their noses to the home of a Mr. E. H. Beals. The family was just sitting down to eat breakfast when the two uninvited guests barged in and demanded to be fed.

Both Mrs. Beals and her daughter were startled to the point of panic, and in the commotion Mrs. Beals frantically ordered the two from her home. An argument ensued but Spotted Horse, who had drawn his pistol, finally relented and left the Beals home. They returned to the Long Branch where the proprietor finally gave in to their demands and fed them.

In the meantime, Beals filed a complaint with Caldwell City Marshal Henry Brown. Brown caught up to Spotted Horse one door north of the Long Branch in the grocery store. Brown ordered Spotted Horse to step outside and "took hold of him" in an effort to get the Indian to move. Spotted Horse again reached for his pistol. Brown reacted with four quick shots. The last bullet struck Spotted Horse in the forehead; one more victim of the clash of cultures 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, Box 62, Ellsworth, KS 67439. Phone 785-531-2058*

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COWLEY COUNTY

LAND AUCTION

THURSDAY, MAY 21 — 6:00 PM
AUCTION LOCATION: Atlanta Community Center
ATLANTA, KANSAS

PROPERTY DESCRIPTION: SEC 4, TWSP 30 SOUTH, RANGE 6 EAST, COWLEY COUNTY KS
For a complete legal see title binder in bidder pack on Sudduthrealty.com

234 acres of land that features mature trees all around, beautiful pond, centrally located, fenced all around with plenty of good grass. Great tract of land for the outdoorsman with deer and turkey being present, one could only dream about a tract this good, perfect place for peace and quiet for all of your needs. Announcements made the day of the auction shall take precedence over anything previously stated or printed.

TERMS: All bidders will be required to register at sale, or for registration prior to sale call 316-775-7717. All successful bidders will be required to sign a cash contract and deposit 10% of total purchase price as earnest money to paid to Kansas Secured Title. The earnest money will be applied to the purchase price at closing. There will be a 10% Buyers Premium charged to the high bidder.

www.newcomauction.net • 316-742-3311

AUCTION

SATURDAY, MAY 16 — 10:00 AM
Auction will be held in the National Guard Armory
(101 Armory Road) on the West side of
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1949 John Deere B, 3 pt., roll a matic, restored.

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TRAILER, COLLECTIBLES & TOOLS 5'x8' 2-wheel trailer; iron wheels; cast iron seats (Sattley, Hoosier, Oliver Chilled Plow, P & O, Buckeye, Rock Island); tin Fordson; 100 horse bits; harness; tool boxes (Case, Fordson, IHC); Rock Island railroad lantern.

See last week's Grass & Grain for listings & Check our website for pictures www.thummelauction.com

BILLY A. & OLETA L. PIXLER ESTATE

Auction Conducted By:
THUMMEL REAL ESTATE & AUCTION LLC
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Canola clinics and field tour set for May

K-State Research and Extension will conduct a series of timely canola educational activities in May.

First up are two harvest clinics in south central Kansas. Canola harvest is fast approaching, and producers will get the latest information and recommendations on harvesting their valuable crop, said K-State canola breeder, Mike Stamm. The clinics are offered in collaboration with the Great Plains Canola Association and Oklahoma State University.

"Canola is a crop that needs special attention during ripening, so we want to make sure producers have the tools necessary to make informed management decisions to prepare for harvest," Stamm said.

Topics for the harvest clinics include staging of the crop and harvest preparation, a harvesting methods

overview, and a harvest equipment set-up discussion and demonstration. Speakers at the clinics will be canola Extension specialists from the Great Plains Canola Association and Oklahoma State University. The two clinics are:

May 19 - Canola harvest clinic 2-4 p.m.

South Central Kansas Experiment Field, Redd Foundation Field, From Partridge, 1 1/2 miles west and 1/2 mile south on S. High Point Rd. Contact Gary Cramer (620-662-9021) for more information.

The South Central Kansas Experiment Field spring field day will follow at 5 p.m. at the Redd Foundation Field. Topics on the agenda include wheat varieties and canola agronomics.

May 21 - Canola harvest clinic

9-11 a.m. Harper County Fairgrounds, Harper Contact Jenni Carr (316-323-7330) for more information.

A field tour on May 21 will be held for producers to learn more about basic agronomics and what canola producers in south central Kansas are doing to incorporate winter canola into their cropping systems. This tour is sponsored by K-State Research and Extension and Rubisco Seeds.

"Canola has had a tough year in central Kansas, mostly due to the major cold snap we experienced in mid-November and fluctuating temperatures over the winter. For this reason, we would like to showcase some of the fields that pulled through and talk about ways to make canola more consistent in the state," Stamm said.

This field tour includes two stops:

May 21 - Canola agronomics field tours

First stop: 8:30-10:30 a.m. The tour will start at the David Seck farm, 5605 S. Kent Rd., Hutchinson. Drive 2 3/4 miles south of US Hwy. 50 on Kent Rd. east of Hutchinson.

See a hybrid winter canola field planted with a 20-inch row planter. Learn how winter canola fits into a cropping system that includes irrigated corn, soybeans, and wheat.

Second stop: 11 a.m.-noon.

The field is at the Larry Reichenberger farm 5 miles north of Garden Plain on N. 295th Street W.

View the K-State-AGCO canola row spacing (20-inch versus 30-inch) by seeding rate study.

Learn how managing seeding rate can benefit

both winter survival and yield.

For more information on

any of these events, contact Mike Stamm at 785-532-3871 or mjstamm@ksu.edu.

CKD3 Wheat Plot tours planned for May 28th in Saline County

K-State Research and Extension - Central Kansas District will host tours of three wheat variety plots in Saline County on Thursday, May 28th.

The first tour will begin at 8:30 a.m. near Gypsum at Karber Farms located 5 1/4 miles south of the Hwy K-4/Kipp Rd intersection. The plot features 19 varieties and two blends planted no-till following corn, a seeding rate demonstration and a Greenseeker N sensor study.

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. The plot features 19 varieties planted no-till into soybean residue. 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 Solomon at the Tom, Pat and Luke Ryan

Farm, located three miles west of Solomon on Old Hwy. 40 and 2 1/2 miles south on Gypsum Valley Rd.

The plot features 19 varieties planted with conventional tillage after wheat.

K-State Research and Extension agronomist Stu Duncan and plant pathologist Erick DeWolf, will discuss variety selection and the agronomic strengths and weaknesses of the varieties in the plots.

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.

1,140+/- ACRES CROPLAND, GRASS & CRP

LAND AUCTION

RUSSELL COUNTY, KS

Fri., May 15, 2015 at 10:30 AM, CDT

AUCTION LOCATION:
Dole-Specter Conference Center, Russell, Kansas

<p>SELLERS: Colleen Mudd, et al.</p> <p>Land will be offered in 8 individual tracts</p> <p>LEGAL DESCRIPTIONS:</p> <p>TR 1: Tract in NE/4 of 33-13-14 TR 2: Cropland ac in the NW/4 of 12-14-15 TR 3: Grass ac in the NW/4 of 12-14-15 TR 4: NE/4 of 35-14-15 TR 5: S/2 of 36-14-15, less tract in SW corner TR 6: E/2NE/4 of 20-12-15 TR 7: N/2 of 27-12-15 TR 8: E/2NW/4 of 18-15-14</p> <p>Cropland, grass & CRP! Excellent hunting potential- GOOD access to all tracts! SIGNS WILL BE POSTED!</p> <p style="text-align: center;">INTERNET BIDDING AVAILABLE!</p>	
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ANTIQUUE AUCTION

TUESDAY, MAY 26 — 4:00 PM

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

<p>COLLECTABLES</p> <p>Pine bookcase; wooden cabinets; granite buckets; swirl granite pieces; canes; umbrellas; buttons; screen door; statues; glasses; suitcases; sprinkle</p>	<p>can; clock shelf; silver items; wood statues; jewelry trees; cigar boxes; baskets; wooden baskets; lantern; deer horns; house corners; metal baskets; wooden boxes; hub caps; bird</p>	<p>house; car tags; spindles; assortment of yard art; cistern; metal lawn chairs; There are many items, we cannot get in to see everything to list.</p>
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Note: Check our web site for pictures at www.thummelauction.com. June has collected for many years, there are many unique items. This is the end of June's auctions. This auction has been stored in the garage, we have not opened many of the boxes.

DR. JUNE TAYLOR ESTATE

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
785-738-0067 or 785-738-5933

TOY AUCTION

MEMORIAL DAY * MONDAY, MAY 25 — 10:00 AM

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

PEDAL CARS & TRUCKS

1935 Steelcraft Air Mail airplane; 1937 Garton Ford; 1935 Gendron pedal car; 1941 Chrysler Steelcraft; 1947 BMC racer; 1941 Pursuit airplane; 1941 Murray station wagon; 1941 Murray fire truck; 1949 Pal Fire Dept car; 1940 Irish Mailer; 1950 Nellybelle jeep; 1952 Sad Face Fire Dept. car; 1950 Tri-ang jeep; 1950 Murray Comet; 1950 BMC Jet Ace; 1950 Murray straight side Champion; 1950 BMC Blue Streak; 1950 BMC Fire Chief car; 1950 Murray Jet Flow station wagon; 1950 Garton Ranch Wagon;

1950 Garton Dragnet car; 1950 Murray dump truck; 1950 Hamilton Dump Truck Jeep; 1950 Atomic Missile; 1950 Hamilton jeep; 1960 Murray Rally Pinto; 1960 AMF Jet Sweep; 1960 AMF Fire Fighter; 1960 Murray USAF Jeep; 1960 Murray Fire Dept car; 1960 Murray fire truck (unrestored); 1960 Murray Big Top Circus pedal car; 1960 Murray Holiday car; 1960 Murray station wagon; 1960 Murray Astronauts car; 1960 McCauley Mighty Mac; 1960 Murray fire truck; 1970 AMF Fire Fighter; 1970 AMF Taxi; 1970 AMF Police car; 1970 AMF Jet Sweep;

1970 AMF Babe Ruth; 1970 Murray fire truck; 1971 AMF GTO; 1970 AMF Fire Chief car; 1972 AMF Probe; 1981 AMF Fire Fighter; scooter; AMF racers; Flying Delivery trike; wagons inc. (Playboy, Flash, Mercury, other); several tricycles.

TONKA TOYS & TRACTORS

300+ trucks inc.: Highway Dept. set; U Haul trucks & trailers; Bell Telephone set; fire trucks; car haulers; dirt movers; campers; jeeps; dump trucks; wreckers; sand loaders; cement mixers; cranes; garbage trucks; John Deere tractors; car banks.

Note: Bob has professionally restored the pedal cars. This is a very impressive collection. For pictures check our web site at www.thummelauction.com.

INDIVIDUAL ESTATE

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
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Auction Sales Scheduled

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

May 12 — Morris County real estate (house & building) held at Council Grove for Mark & Debra Sellers. Auctioneers: Hallgren Real Estate Auctions, LLC.

May 13 — Kitchen supply store items, displays & inventory at Manhattan for Kitchen Capers, Charlotte & Bob Hart. Auctioneers: Gannon Real Estate & Auctions.

May 13 — Farm & feedlot equipment, tractors, loader, grader, skid steer, ATV, pickups, Suburban, trailers, equipment South of Scott City for Duff Land & Cattle. Auctioneers: Berning Auction

May 13 — Trucks, tractors, combines & accessories, machinery, mower & sport machine, trailers, carts, farm items, tools, tires, shop equip., iron & salvage, antique farm items, seed & more North of Norton for David & Wanda Sheley. Auctioneers: McEwen Auction.

May 13 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

May 14 — Household, antiques, collectibles, tools at Salina for Doris & Al Schwan Estate. Auctioneers: Baxa Auctions, LLC.

May 14 — 120 acres m/l Lyon County grassland held at Emporia for Jim Redelfs. Auctioneers: United Country Great Plains Auction & Real Estate.

May 14 — 717 +/- ac. Sandhill grass, Rice County, 8 +/- NW of Hutchinson held at Hutchinson for Steven R. Dillon. Auctioneers: Theurer Auction & Realty.

May 14 — 615 +/- acres Dickinson County farmland held at Abilene. Auctioneers: Horizon Farm & Ranch Realty, LLC.

May 15 — 1,140 acres +/- cropland, grass & CRP in Russell County, KS held at

Russell for Colleen Mudd, et. al. Auctioneers: Farm & Ranch Realty, Inc.

May 16 — Vehicles, old vehicles, tractors, collectible machinery, guns, old & collectible items, manuals, old metal JD toys, signs, coins, shop & yard, lumber, household & more at Hillsboro for Reno & Edith Penner. Auctioneers: Leppke Realty & Auction.

May 16 — Lawn equipment & vehicles, mower related items & misc. at Hesston for Excel Industries, Inc. Auctioneers: Van Schmidt.

May 16 — Mowers, railroad baggage cart, knives, tools, yard items, furniture, household & guns at Silver Lake for Carl & Mary Ann Smith. Auctioneers: Gannon Real Estate & Auctions.

May 16 — Furniture, household, misc., antiques, collectibles, tools & misc. at Abilene for Velma Bennett Estate & Other. Auctioneers: Chamberlin Auction Service.

May 16 — Tractor, stationary engines, trailer, collectibles & tools held on the West side of Smith Center for Billy A. & Oleta L. Pixler Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

May 16 — Tools, trailers, tractor, pickup, lawn tractor at Marysville for John

J. Bramhall Estate. Auctioneers: Olmsted & Sandstrom.

May 16 — 60 acres Wabaunsee County native grass, fixer-upper home/hunting cabin held at Paxico for Mary Holley Estate. Auctioneers: Murray Auction & Realty, Steve Murray.

May 16 — Tractor & stationary engines, trailer, collectibles & tools at Smith Center for Billy A. & Oleta L. Pixler Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

May 16 — Consignment sale at Salina. Auctioneers: Wilson Realty & Auction Service.

May 16 — Furniture, appliances, collectibles, household and misc. at Dwight for Velora A. Goss. Hallgren Auction.

May 17 and 31 - 2-day at Manhattan: May 17-furniture, appliances, household, collectibles. May 31-Restaurant equipment, furniture, misc. for S.M. Samarai Estate. Auctioneers: Gannon Real Estate and Auction.

May 18 — Real Estate Auction, 1324 Brant Street, Osage City. Three bedroom, one bathroom ranch-style home. Open House May 4 & 14. Miller and Midyett Real Estate.

May 19 & 20 — Antique tractors, machinery & tractor parts at Manhattan for Albert Nielson Estate. Auctioneers: Gannon Real Estate & Auctions.

May 20 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

May 21 — 234 +/- acres Cowley County land held at Atlanta. Auctioneers: Newcom Auctioneers.

May 21 — Household goods and collectibles at Clay Center for Dean King Living Estate. Kretz & Bloom Auction Service.

May 23 — Signs & collectibles at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

May 23 — Tractor, trailer, equipment, collector truck, ATV, boat, tools, collectibles & misc. at Baldwin City for Don & Marian Cashatt. Auctioneers: Elston Auctions.

May 23 — Real estate, household, tools & auto at Tecumseh for Jack & Tina Burghart Estate. Auctioneers: Murray Auction & Realty.

May 23 — Abilene High School Carpentry Class house held at Abilene for USD 435. Auctioneers: Reynolds Auction Service.

May 23 — 28 acres w/house & pond, equipment, vehicles & household held at Hutchinson for Joseph & Carole Shepherd Estate. Auctioneers: Wilson Realty & Auction Service.

May 23 — Shop and specialty tools, tractor, combine and farm machinery at Halstead for Vernon Becker Estate. Auctioneers: Van Schmidt.

May 23 — Auto, furniture, household, appliance, misc. at Manhattan for Harold and Kurt Johnson. Auctioneers: Gannon Real Estate and Auction.

May 24 — Soda pope collectibles, collectibles & toys at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

May 25 — Pedal cars, trucks, Tonka toys & tractors at Salina for individual estate. Auctioneers: Thummel Real Estate & Auction, LLC.

May 25 — 22nd annual Memorial Day auction at Lyndon. Auctioneers: Harley Gerdes Auctions.

May 25 — Antiques, collectibles and toys at Newton for Roger and Becky Keating. Auctioneers: Van Schmidt

May 26 — Collectibles at Salina for Dr. June Taylor Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

May 26 — 20 +/- acres with improvements, home and outbuildings just east of El Dorado or Augusta held at Leon. Auctioneers: Jack Newcom Realty & Auction.

May 30 — Possible antiques & collectibles, large pocket knife collection, household & appliances, farm machinery & mowers at Bennington for Steven Godsey & Others. Auctioneers: Bacon Auctions.

May 30 — Cars at Beloit for Melvin (Mel) D. Schmidt. Auctioneers: Thummel Real Estate & Auction, LLC.

May 30 — Farm related equipment & hand tools held at Valley Center. Auctioneers: Jack Newcom Realty & Auction.

May 30 — 167 acres Chase County cropland, grass, wildlife held at Matfield Green for Lonetta L. Lollar Revocable Trust. Auctioneers: Griffin Real Estate & Auction Service, LC.

May 30 — Coins at Emporia. Auctioneers: Swift-N-Sure Auctions.

June 8 — Tractors, combine, trucks, machinery, tools & antiques East of Concordia for Ray & Ross Doyen. Auctioneers: Thummel Real Estate & Auction, LLC.

AUCTION

SATURDAY, MAY 16 — 9:00 AM
1211 Indigo Road — HILLSBORO, KANSAS

DIRECTIONS: From Hwy 56 & Ash St junction, (Mid-Way Motors corner), go 8 miles South on Ash/Indigo Road.

AUCTIONEER'S NOTE: After 68 years on the same location, Reno is having a clean-up auction that includes good vehicles & tractors, as well as collectible vehicles, tractors & more. Come join in as he & Edith close out this chapter.

VEHICLES

1998 Chevy 600 1/2 Ton Ext Cab Pickup, 8 cyl, 88,490 miles, auto, slick • 1989 1/2 Ton Chevy Pickup, 8 cyl, Auto, A/C • 1950 GMC 300 1 1/2 Ton Truck w Hoist, runnable • **OLD VEHICLES INCLUDING:** 1953 Buick, Straight 8, engine overhauled, 4 door • 1960 Cadillac Series 60, 4 door, Big V8, 86,314 miles, body excellent • 1965 Mercury Parklane, V8, 2 Door, Hard Top, Auto, Slick & clean, all original except paint • 1960 Cadillac Frame & Body

TRACTORS

1967 John Deere 3020, Gas, w Loader, 8100hrs, good • 1958 John Deere 420 Tractor, Pwr Steering, Wide Front, 3pt, PTO, new rubber • 1953 John Deere 60 Tractor, Rock Shaft 3pt • 1942 F1 Avery Tractor, Single Front Wheel, not running, near new rubber • **COLLECTIBLE MACHINERY INCLUDING:** John Deere 6' Rotary Mower, 3pt • Shop Built 3pt Blade • 2 John Deere Pull Plows, 3-14 #55, Steel & 2 Bottom #44 Steel Rear Wheel, Hyd & Trip Lift • John Deere Yakima Works mounted Plover • Hitch for Yakima mounted Plover • John Deere 3 Bottom on rubber • 3pt Bale Carrier • Small Harrow Carrier • Bale Fork

GUNS/OLD & COLLECTIBLE ITEMS

Stevens 410, Single Shot • Remington 22 Sportsmaster, Bolt Action, tubular • Ebel Bros Mirror/Thermometer • Cloth Sugar Sacks • Marbles • Victrola w tubular Records • Small Monroe Adding Machine • Typewriter • Yard Sticks • Mini Anvil • Large Brass Eagle • Remington 5 Typewriter • Old Violin & Case • Wooden Remington Ammo Box • Donkey Cartoon Glasses • Aladdin Kerosene Lamp • Hillsboro Pop Bottle • Apple Peeler • Rotary Phone • Hesston Buckles, 1975 - 1997 • Daisy Butter Churn • Marion County Atlas • Large McCoy Vase • Beaded Purses • Old Radios • Old Jacks • Cistern Pump • **MANUALS INCLUDING:** 1953 Buick Operator • 1955 Chevy Pickup • John Deere 1520 Tractor Parts Catalog • Model A Avery Tractor Parts Book • 1960 Cadillac Shop Supplement • John Deere 3020 Parts Book • 1959 Cadillac Shop Manual • **OLD METAL JOHN DEERE TOYS INCLUDING:** 12A Combine • Grain Drill • 2 Bottom Pull Plow • 12 Chuck Wagon • Culti-Packer • Hubley Tractor • 3 IH Tractors • 4 Bottom Pull Plow • Metal Train & Tracks • Metal Dump Truck, Metal Trailer • Snap & Score Marble Game • Old Metal Service Station • Small Wooden Barn & Animals • 1956 Chevy BelAir, NIB • John Deere 420 Tractor, NIB • John Deere R, NIB • **SIGNS INCLUDING:** Phillips 66 Fertilizer • Case Hay & Forage • JD Road • Welcome Reno • Genuine Alemite Prod. Shelf, 1861 Kansas • **ASSORTED COINS INCLUDING:** 10) Half Dollars, '70s, '80s, '90s • 3) 1776-1976 Dollar Coins • 3) Susan B. Anthony's • Rolls of Pennies, 1919, '20, '41, '30, & '49 • 25) 1957 Pennies • 25) 1958 Wheatheads

SHOP/YARD/OUTDOOR ITEMS

Hustler 2700 60" Riding Mower • AMT 600 John Deere 5 Wheeler, 4x4, Dump Box, new clutch • Craftsman 400 John Deere 42" Riding Mower • Push Mower • Stihl 011 Chain Saw • Stihl FS35 Weed Eater • Lawn Utility Trailer • Wheel Barrow • 9" Metal Windmill • A Frame Hoist • Duracraft 3/4" Drill Press • Duracraft Bench Grinder, Heavy • Black & Decker Chop Saw • Shop Vac • 5hp Craftsman 55 Pressure Washer, 2250 PSI, NEW • 3) 300 Gallon Fuel Barrels • **CRAFTSMAN TOOLS INCLUDING:** 1/2" Socket Set, 1/2" Elec Drill, Box & Open End Wrenches • Wards Circular Saw • Rockwell Table Saw • Battery Charger • OIT 3/4hp Bench Grinder • Letter Punch Set • Forney Welder • Heavy Welding Table • 7" Bench Vise • Wooden Bolt Bin from General Hardware • 5 Drawer Metal Bin Box • Miller Falls 1/2" Impact Wrench • Numerous Hand Tools • Misc John Deere Parts • Car Ramps • Shop Iron • Log Chains • Hi-Lift Jack • Approx 70 Hub Caps • 10 Gallons 140 Gear Oil • 2) 11Lx15 Tires, NEW • Canvas Car Cover • **USED LUMBER INC:** 2"x4s, 6s, 8s • 1"x12s & more

HOUSEHOLD ITEMS

Old China Hutch, Glass Doors • Old Drop Leaf Desk, 4 Lower Drawers, Top Glass Doors • Dining Table, 6 Chairs • Dining Room Hutch • Matching Bed & 4 Drawer Dresser • Wooden Rocker • Arm Chairs, Overstuffed & Dinette Chairs • Oak Hall Tree • 8) Metal File Cabinets • Sunbeam Bread Machine, NEW • Pots, Pans, Glassware • Kitchen Aid RRP Mixer, NEW • **ASSORTED JOHN DEERE ITEMS INCLUDING:** John Deere Kerosene Heater • JD Ice Chest • JD 16pc Dinnerware, Mugs, T-Shirt, Blankets

RENO & EDITH PENNER, SELLER

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ANTIQUA AUCTION

SATURDAY, MAY 23 — 10:00 AM
Auction will be held in Kenwood Hall at the Saline Co. Expo Center 900 Greeley in SALINA, KANSAS

SIGNS & COLLECTIBLES

100 + signs many are new old stock or mint: Gas/Oil/Tires: (Texaco, Mobil, Quaker State, Penzoil, Cities Service, Phillips 66, Sinclair, Standard, Gulf, Kendall, Amalie, Gargoyle, Conoco, Sky Chief, DX, Dunlop, atlas, Goodyear, Fisk, Armstrong, Firestone, B F Goodrich, Seiberling, Atlantic Richfield, Excide, Standard Red & White crown, Shamrock, Sohio); **Soda:** (1950's Coke porcelain delivery truck, Coke fishtail, 7UP button, Nehi, Double Cola, Ig, Pepsi die cut, Welch's, Squirt, Grape, Orange Squeeze, Dad's, Mission Orange, Coca-Cola Drugs/Fountain, Nichol Kola, Hires, Red Rock flange, Green Spot Orangeade, Mission Beverages, Norka Orange, Lime Cola, Pepsi button); **Other:** (Hopper's Cycles double sided porcelain dealer, Embro Seeds, Kansas oil Historic Site El Dorado, Oldsmobile dealer, U.S. Army/Air Force porcelain, Acme Beer, Carey's salt, Wildroot, Barber Pole, Rainbo Bread, Greyhound Express, Model Tobacco, Old Gold, B-Y's Cigar, DeLaval, Railway Express, McCormick Deering, Wolf's Feeds, American Stamps, Benjamin Moore, Car Wash, Red & Gold Stamps, Sunbeam Bread, IGA, Union Made Overalls, Lowe Brothers Paint, Fairmont's Ice Cream, Piedmont Cigarettes, Brooke Bond Tea, Walker Mufflers, Supersweet Feeds, Valley Gold Dairies, Chevrolet, Standards Feed, Chief Paints, Oilmax, Min-Lax, Jamesway Power Equip, American Brakeblok, many more); **Thermometers inc.:** Coke, Pepsi, Dr. Pepper, Sun Crest, NuGrape, Orange Crush, Bireley's, Nesbitts, Royal Crown, Pabst, Fram, Monroe, Kentucky Club, Motorcraft, Eveready, Packard, Walker, Winston Prestone; **Coolers inc.:** Pepsi, 7UP Airline, Dr Pepper, Coca-Cola, Royal Crown, Storz; 7UP case; Coke stadium

carrier; Clocks inc.: Chevrolet, 7UP, NAPA, Rexall; **Counter Top Displays inc.:** Mobil tin station with cars, rare Russell Jennings Stanley Auger Bit Complete Set, Lion automotive, Eveready Lamps, Fustats, Nosalomite/Rooney, Big A, Trico lighted wipers, Wheel Safety cabinet, Plus N Mint Mobil service file, Carbueter, Anco Wiper & Map cabinet; Walker Exhaust; Dorman Products; Cleveland Drills; Marx pin ball machine; 30 advertising ash trays; **Advertising Salt & Pepper collection** (coke, pepsi, squirt, voss, P-A-G, coors, bud, schlitz, pabst, falstaff, mr. peanut, phillips chevrolet, jack daniels, dairy queen, plus more); **Advertising Yardsticks, Oil Can Collection** (Harley, Mobil, DeLaval, McCormick, Wards, Rubon, Minneapolis-Moline, Texaco, Riley Bros., Hillyard Whiz, Allis-Chalmers, STP, Havoline, Prestone, En-Ar-Co, Ford, Conoco), Soda Advertising (Coke NOS Bushnell Binoculars, flashlight, musical banks, napkin dispenser, ice picks), Pepsi (bar radios, Super Hero glasses, 1940's ad record), Grape bottle, squirt, bubble, A & W, Open collection. Souvenir Plates & Custards, Budweiser Steins, collection oil can banks; **15 trucks 1950's inc.:** Smith Miller, Tonka, firetruck & hi way trucks, Buddy L; die cast trucks inc.: Mobil, Coke, Rat Rods, Corvettes; **Other Collectibles:** Stephen J. Pongrace 1893 Hunting Club Clock, 1890's Gate top purse, other old coin purses, Jewelry cases, Occupied Japan, Concordia Creamery items, John Deere thermometer, Disney & Muppets silverware, Mr. Peanut collection, 2 WWII Japanese bayonets one with scabbard, Vintage Sports card collection (1970's albums, sets, full boxes, Topps test packs, Royals, K-Staters, much more), Many small tins/ cardboard advertising. **RILEY DRUG STORE ITEMS inc.:** 4' x

8' Coca-Cola back bar mirror w/Coke disc; ice cream table & chairs; large National cash register; Michigan candy cash register; rare Burroughs adding machine on original stand; Hamilton Beach malt mixers; shopping cart w/extra baskets; Hall Brothers (pre Hallmark) card rack; primitive medical equipment; advertising racks; vintage cardboard inc.: Coca-Cola back bar Festoons "Know Your State Tree" set; Nesbitts; Mason's Root Beer; Kodak; Zenith; 7UP; Pepsi; Hallmark; Pepsi & Coke 6 pk carriers w/bottles; ice crusher; syrup dispensers; pop bottles; cases; 6 pk carriers; ice cream dippers (sandwich, cone, no 30 Lchrist); many other items from the drug store; store vegetable slicer; padlocks inc. (Rock Island, Waterbury, Safe, Swift & Co., UP, Western Union Tele Co, Craftsman, Simmons, UP Switch, CRI&P, UP roadway & bridge, NNGCO, UP No 1 switch); buffalo hide scale; German vegetable cutter; Winchester grinder; rabbit chocolate mold; knives (20 Case, Keen Kutter, Winchester, advertising); 8 sleigh bells; Stanley no 2 planes (flat & coregated); oak tool chest; cast iron lemon squeezer; choppers; cast iron egg beater; set German flatware w/extra serving pcs; sterling thimbles & dresser pcs; German (arm band, belt buckles, coins, other); Army buttons; match holders, lighters; pin backs; JD Van Brunt drill advertising; advertising wet stones & mirrors; ink wells; watch fobs; pocket watches (Hamilton 17), Waltham 15 & 17 j, Elgine 7, 15, 17 & 21j); vintage woman's face hangers; oak rocker; Hoosier "Juvenile" cabinet; medical records cabinet on rollers; 100 comics; 100's of Barbies, clothes; sheet music; art & advertising pieces one signed from Japan; assortment of other collectables.

Note: For pictures check our web site at www.thummelauction.com. This is a very quality collection. There are many pieces from the Riley drug store.

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Education key in understanding Kansas water issues

Cookies, cereal, marshmallows, whipped cream, chocolate syrup, milk and ice cream can create a fun lesson — and a tasty snack — to model the rock, soil and liquid layers of an aquifer.

Many times hands-on activities provide the best way to learn. More than 600 fourth-grade students build model aquifers each January in Salina as part of the Salina Water Festival. Other educational stations, which focus on lessons such as kitchen chemistry, water safety and the water cycle, call to mind the importance of the natural resource in Kansas and beyond.

For more than ten years, Extension agents in K-State Research and Extension's Central Kansas District have taught children how to be wise stewards of water through the Salina Water Festival. Anthony Ruiz, livestock production agent for the district, said having the opportunity to teach the science of water using ice cream is a win-win.

"Students win with their new knowledge of how to be good citizens for their ecosystem, and everyone else wins with a healthy world to live in and grow," Ruiz said.

Glenn Engelland serves on the Central Kansas District's Extension board and is a veterinarian in Salina. He said although adults should know the realities of water issues in Kansas, education always does the most good when you start with children.

"Tell kids, this is how we recharge aquifers, and this is how we handle wastewater," Engelland said. "Then they can start forming their own opinions and having those discussions with their parents."

Engelland was one of about 1,200 attendees who participated in recent water meetings hosted by the Kansas Water Office in March. The Salina meeting he attended was one of 26

hosted across the state. The meetings sought public input on the Kansas water supply, by region, and also involved the Kansas Department of Agriculture and K-State Research and Extension.

Education on regional issues

The importance of having regional goals in Kansas Gov. Sam Brownback's 50-year water vision for the state is clear to Engelland and Doug Zillinger, a dryland farmer from Logan, who attended water meetings in Phillipsburg and Beloit.

"Our water level in the Smoky Hill-Saline region isn't going down much," Engelland said. "We have more of an alluvial aquifer, so if we get a good rain, it recharges."

Engelland calls the Ogallala Aquifer in far western Kansas "a whole different ball game," as it goes down and doesn't seem to come back up.

"We need people to understand different types of water usage and also natural flow," Zillinger said. "The reason we're losing the Ogallala is because we are pumping it out, and it doesn't recharge. The reason we are having trouble in the Solomon-Republican (region) is we often don't take into account natural drainage and natural flow."

Zillinger said his region, just north of the Smoky-Hill Saline region, doesn't get as much rainfall as Kansas' eastern areas but still witnesses some recharge of aquifers compared to those farther west on the Ogallala.

Education on economics

Although Zillinger grows mostly wheat, sorghum and forages on dryland acres, he said some farmers in his region do irrigate based on water availability. And, he has witnessed many irrigators embracing technologies and cutting back on water use.

"Most farmers seem to be

utilizing seeds of drought-resistant varieties, which even with irrigation use less water to create extra bushels," Zillinger said.

Most irrigators, he said, grow corn and soybeans, because "that's where the money is." However, he has seen more farmers shift to raising drought-tolerant crops, such as sorghum, and figuring out ways to remain economically viable.

"We can't forget the economics," Zillinger said. "That's what drove us to the point we are now. If you added more water and more fertilizer, you got a bigger yield and more cash in the pocket. Now days, we have to think 'more efficient.'"

People might also recognize that their neighbor can irrigate full-stream, while they can't pump at all, Zillinger said. And, they have to be willing to live with that.

"As a dryland farmer, I always look at the trucks coming out of the irrigated fields and think 'that would be the life,'" he said. "But, I also know they have much larger expenses and things to deal with that probably most dryland people don't ever see."

Education on conservation

Engelland travels across the state for his job and has looked for changes in conservation practices and their economic influences. He said he has witnessed both ends of the spectrum — Conservation Reserve Program ground bought out of contracts and planted when grain prices were high, and more conversion to conservation tillage.

Farmers switching to conservation tillage have helped slow reservoir sedimentation, Engelland said, but conservation requires ongoing action.

"A lot of sedimentation into Kanopolis (Reservoir) happened in the earlier years when we were plowing, and a lot of that sediment was washing off from

the fields and down the streams," Engelland said. "It doesn't seem to happen as much today with all the no-till."

Likewise, Zillinger said the Lovewell and Waconda reservoirs are more silted in than some of the newer ones in his region, the Keith Sebelius, Webster and Kirwin reservoirs, which don't seem to be silting in as quickly.

"I can remember when we built Sebelius, and we had already implemented more terraces and were controlling runoff," he said. "That's probably one of the reasons it's not silting in as fast."

Many older reservoirs in the state that are more silted in have already surpassed their life expectancy of 20 to 25 years: a topic brought up at several of the recent statewide water meetings.

Engelland said that finding ways to fund and incentivize planting buffer strips could be beneficial, as these can help filter sediment, remove chemicals from fertilizers and enhance wildlife habitat.

Other incentives could help farmers switch to drip irrigation systems from pivot irrigation, Engelland said, as drip irrigation systems could be prohibitively expensive to implement and maintain.

On the irrigation side, Zillinger added that he would like to see crop insurance programs provide more options for limited irrigators, rather than just irrigators and dryland producers.

Aside from conservation in agriculture, municipal users also have a stake in water conservation—a clear point made by many who attended the water meetings.

"I spent ten years on my first farm hauling in every drop of water we used on the place," Zillinger said. "We didn't have house water. We did take our clothes to town to the laundromat at that time, but we could manage to keep our household use down to 3,000 gallons (a month). If you look at the average household today, they're likely running considerably more than that."

The question "How do we value water?" brought up an array of responses at the meetings but centered on the idea that water is a vital resource many often take for granted.

The public meetings helped the regional goal leadership teams develop draft goals for the water vision plan, which will be presented to the Kansas Water Authority May 20.

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ANTIQUA AUCTION
SUNDAY, MAY 24 — 10:00 AM
Auction will be held in Kenwood Hall at the Saline Co. Expo Center 900 Greeley in **SALINA, KANSAS**

SODA POP COLLECTIBLES
Clocks inc.: (3 DP, Dads Root Beer, Sugar Free DP, Hires, Coca Cola, 3 Pepsi, 7UP); thermometers (round 7 UP, Nu-Grape, Nesbitts, Grapette); signs (Pepsi, Ale 8, Nesbitts cardboard framed, metal Ice Cola 76, Pepsi mirror); menu board (Pepsi, RC); 1925 Coke tray; Bireley's door push; coolers (small Coke & RC); Nehi counter dispenser; DP lamp; Superior Neb Coca Cola checks no 1 & 2; wall bottle openers; bottles (Coke convention bottles 50's, 60's, 70's, 80's; 24 paper case 7 UP, 6 pack Squirt, 6 pack Grapette, 6 pack metal Pepsi); 7 UP snowman display; Pepsi, Coke, Team Santa's; Pepsi uniform patches; Pepsi coins; Coke Bottle Award Fort Riley Commissary; large glass Coke bottle; Howells Cherry Julep syrup bottle; Mason root beer counter display bottle; Hires root beer mugs; tin Pepsi 1 gal metal cover; Nesbitts electric mixer w/2 glasses; Nesbitts pitcher; crock mugs; syrup jugs (Dog & Suds, 7 UP, Pepsi, Root Beer, Hires); paper pop cartons; glasses (Pepsi, Nehi, Hires, Cleo Cola, other); embossed Moxie glass; display racks.

COLLECTIBLES & TOYS
Toys inc: Buddy L 5 pc Army set w/box; Magic Robot w/box; Highway Patrol car in box; 1938 Lone Ranger; Marx sparkling gun; Frontier Smoker gun in box; Japan Model T cars; Disney Xylophone in box; Disney lunch pails; 4 Disney nodders in box; Barkley soldiers; metal Scottish unit; Mobile gas truck; Popeye tray; Ohio Art (shovel, drum, sprinkling can, sand pail); pull toys; biscuit tin; Little Host-

ess china tea set; set metal tableware; early elephant nodder; early boyo sled; Arcade (tractor, plow, other); Kenton road grader; Austin wrecker; guns inc.: (Hubley Flintlock, Hubley Jr., Davy Crockett, cap guns others); glass candy containers (wheel barrow, motorcycle w/side car, train, radio, lantern, rabbit, fiat iron); children's books (Peter Pan, Roy Rogers, Wizard of Oz, Alice in Wonderland, Katzenjammer Kids, Peter Rabbit, 1905 Buster Brown & Tige); Sambo puzzle; games (Davey Crockett, Uncle Wiggly, Annie Oakley, Buffalo Bill, Mickey Mouse); wood blocks; banks (1929 Popeye, clown, Nylint Armored car, NBA Wagon to Wings, Red Goose shoe, Mail box, brass cars, other); promo cars (62 Ford station wagon, 60 Buick, 67 T Bird, Plymouth station wagon, 66 Ford Fairlane, 72 Ford Grand Torino, others); Sears Xmas toy trucks; 1913 Model T Speedster; 1964 Mustang convertible in box; model kits (Monogram Classic, 34 Duesenberg); wooden model cars; 7 Hudson mini; Ford museum books (Ford at 50, 47 Telegraph code book; manuals (47 Ford, 67 Ford, 55 Mercury, 75 Lincoln, 32 Ford sales manual); Ford emergency kit; Ford Times; Ford almanacs & cook books; games (Coca dominoes, celluloid card game, gambling game, other); books (Ford American Dream, Great Day To Be A Wildcat, other); 1973 KSU autographed football (Steve Gregan) Wildcat nodder; 1997 K State cotton bowl plaque; 1955 Plymouth bowl program; 1998 K State Alamo bowl bag; 4 Dryden Brookville

items; 1922 Winchester gun & amo booklet; Salina Supply thermometer; pencil box; ink bottles; Shaffer desk pen; Salina bottles & paperweights; Salina match safe; View Master; circus canes; Desert Storm trading cards; Pep pins; Disney bakelite pencil sharpeners; Crackerjack prizes; early Valentines & post cards; 1913 Cappers yard long lady picture; Captain Midnight badge 1946; Captain Frank Air Cadet; 1904 Parker Davis pin back; 3 mounted fish; tea towels; aprons; pillow cases; egg crate; tole painted dough box; sock molds; wooden bellows; tins inc. Edward marshmallow tin glass top; coffee jars (Polar Bear, Hales Leader, Heinzes, Empress Marshall, other); coffee tins (Atwood, Defiance, Senate, Martenons, Old Shield, 2# Shilling, S & W, Manor House, other); ironstone; sad irons; 1892 Ham-pden, 1912 Waltham, ladies Hamilton 14k watches; Cameo pins & bracelet; dresser set; Christmas (Rudolph book, Spirit of Christmas book, puzzle, rubber Santa, early Santa, bubble lights, glass ornaments, figural bulbs, celluloid Irvin Santa, mesh Santa, wire & glass ornaments, blue glass tree topper, other pieces); Halloween (paper items, witch, scare crow, pumpkins, black cat, witch in house, fold up orange lantern, mask, costume, black cat lantern, jack-o-lantern, clickers, party items, card board stand up, noise makers, other); Easter (glass eggs, basket, papier machie, plastic rabbits, Chein tin rabbit); Thanksgiving cards, picture, other.

Note: This is a very quality auction. We have combined 2 individual collections. For pictures check our web site at www.thummelauction.com

Auction Conducted By: **THUMMEL REAL ESTATE & AUCTION LLC**
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**3 BEDROOM HOUSE
TO BE SOLD AT AUCTION**
SATURDAY, MAY 23 — 10:00 AM



This home was the major construction project of the Abilene High School Carpentry Class under the supervision of Mr. Greg Dutt & Mr. Nathan Howard.

House located south of vocational building on the Abilene High School Campus.

DESCRIPTION: This home has 3 bedrooms. 1456 sq. ft. Crown maple cabinets, interior white paint & white baseboard & casing doors, 8' ceilings. Tub & shower, Heritage shingles, vinyl clad Anderson casement windows with wood interior, 3/4" Weyerhaeuser Gold sub floor, Manifold plumbing, cable and phone lines wired to every room. Hardiplank lap siding with brick veneer in front. Installed duct-work. Electrical panel & wiring.

OPEN FOR INSPECTION: Any day between now and sale day by appointment only. School: 785-263-1302, ask for Greg Dutt. Home: 785-280-0407, Nathan Howard, 785-432-1367. For additional information go to www.abileneschools.org

SOLD AS EXHIBITED: The house must be moved from the present building site by August 1, 2015 unless special arrangements are made the day of the auction with the superintendent of schools. Moving will be at the owner's expense and in accordance with city ordinances.

TERMS OF PURCHASE: 10 percent of the purchase price and sales tax, paid on Building Materials ONLY, due on the day of auction with balance to be paid before the building is moved from school premises. Sale is subject to School Board approval.

SELLER: USD 435

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BAXTER BLACK

ON THE EDGE OF COMMON SENSE

Oneupsmanship

No tellin' how many good dogs he outlived, no matter how good your dog was, he'd once had a collie, a heeler or gyp that did everything your dog does and more! The same for horses and pickup trucks, though the one he drove was a wreck.

The best I could tell, he didn't have nothin', but I've never seen that affect his opinion on anything you mighta owned from a pure-bred bull to a bit! By the time he'd finished pontificatin', you'd wind up suckin' hind tit! Last night I was

braggin' on one of my dogs I'd sold at the top of the year to a herder who worked on Basabe's ranch. They said my dog had no peer. It was seven miles of circuitous road from the lower field to the lane. They'd send my good collie to bring the sheep home and never had call to complain. He'd start 'em out where the new highway sign warned "CAUTION: LIVESTOCK CROSSING AHEAD," then herd 'em north to the Conoco billboard, go right 'til a home-made sign read "POLOMBO'S TOMATOES AND VEGETABLE STAND" where he'd turn toward to four-way stop. Platteville read east, so he'd go 'til he spotted "DICK'S WELDING

AND SHEET METAL SHOP," take a left on Bromley then up past the barn that advertised "HAY BY THE BALE" 'til at last he turned up the Willow Creek Road by the sign that said "RABBITS FOR SALE".

At the third mailbox sayin' "BASABE SHEEP" he'd fetch 'em just like he'd been shown and drive that big bunch of scatter-brained woolies up the lane, just him, all alone.

"Top that!" I thought, "You cranky ol' coot!"

He said, "That's mighty impressive indeed! Though I'm not surprised 'cause my dog spent last year teachin' all them sheep how to read!"

FARM AUCTION

SATURDAY, MAY 23 — 10:00 AM

1793 North 250 Rd. — BALDWIN CITY, KS

From Baldwin City US Hwy 56 turn West on Dg. 14 (250 Rd) 1/4 mile to Auction! WATCH FOR SIGNS!!

Don has decided to retire from Farming & sell the following ONE Owner always shedded items!!

TRACTOR, TRAILER, EQUIPMENT

Ford 6610 II Tractor 2wd, ser#BC14886, Factory Cab & AC, diesel, 82 hp., hi-lo 4 sp. 4x16 forward/reverse, dual live-power, (Great Rubber) 18.4x34 rear tires, new battery, w/Westendorf WL21 quick attach Loader 6ft. bucket/front bale spear (Will Sell As One Unit); Titan Challenger 6'8"x7'x16' gooseneck livestock trailer w/center gate (NICE); New Holland 853 Fast-net round baler; John Deere 336 twin square baler; NH 488 Haybine 9ft. hay conditioner; NH 258 Rolabar hay rake w/dolly wheels; Electric Model 5026-A 8'x16' 4 wheel hay wagon; 8'x14' 2 wheel hay trailer; 6 large bale trailer; 40 ft. hay elevator w/electric motor; 2 wheel square bale picker-upper elevator (new); Land Pride 15 ft. bat-wing rotary mower model RCF45180 (Always serviced each year!); NH 519 pto/driven manure spreader (excellent condition!); 3pt. Bush Hog 2102 post hole auger w/12" bit (New); 3pt. Ford 706 dirt slip/scoop; Massey Ferguson 3pt. 3 bottom plow; 3pt. Imco adj. straight blade; 3pt. Herd broadcaster seeder & ATV broadcaster seeder; 3pt. bale mover; 10 ft. pull disc; 10 ft.

pasture drag; 4 wheel wagon frame; 2 section harrow; carry-all

COLLECTOR TRUCK, ATV, BOAT, TOOLS, COLLECTIBLES & MISC.

1971 Chevrolet Custom 10/Deluxe truck (Bought New) 350, 3 sp., new radiator, alternator; Kawasaki Bayou 220 ATV; Generation II aluminum 10 ft. flat-bottom boat (New); air compressor; power/hand tools; new jack-stands; JD 53 wrench; IH & Case wrenches; Clover Leaf & Loudon Junior barn trolleys; Blacksmith post vise & small anvil; 1 gallon cream can (Lawrence); 4-single side "Sinclair Motor Oil Authorized Dealer" 2ft.x4ft. metal signs; several vintage advertising wooden boxes; hay forks; iron-wheels; Craftsman push-reel mower; 8ft. windmill; one-man saws; lariats; cattle vet. supplies; 40+ steel fence posts; wooden posts; 140+electric post; numerous electrical fence supplies; large pile used barbed-wire; large bale rings; square bale feeders; feed bunks; slide-in stock racks; baler twine; fuel barrels/stands; bridge planks; 200 ft. 1 in. well pipe; large pile scrap pipe/metal; native & barn lumber; bicycles; ATV sprayer; numerous items too many to mention!

Auction Note: Most ALL items bought new & well maintained with owner's manuals!! Concessions: Happy Trails Chuckwagon. Large Bldg. To Sell From In Case of Inclement Weather! Loader Day of Auction Only!

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113± Acres, Linn County, Kansas • Cattle operation and custom built home - property has many amenities! Features pipe fencing, working pens, machine shed, Morton building, barn, a pavilion, and a dock to a large pond with fountain. Contact Bill Gaughan, Agent, at (913) 837-0760 • L-1400273

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Farm Bureau deems SB 302: Unconstitutional assault on agriculture

As farmers are attempting to plant this year's crop, another effort to extort tax dollars from rural Kansans has now been introduced late in the legislative session.

Senate Bill 302, mandating a \$3 "excise" tax on each acre of land is an unconstitutional attempt to wrest additional tax dollars out of hard-working farmers and ranchers in every county in Kansas.

Like 43 other states, Kansas has a time-tested, constitutionally mandated method of taxing agricultural land based upon income a landowner can expect to produce. "Kansas farmers and ranchers oppose SB 302 just like we opposed the tax valuation changes of SB 178 — unequivocally and without hesitation," said Rich Felts, Kansas Farm Bureau president. "This bill is yet another veiled attempt to impair a stable, nationally recognized tax system that continues to work and provides a stable income to counties, local school districts and other taxing entities. SB 302 is a tax increase and an unconstitutional one at that."

Felts added that agriculture is the number one driver of this state's economy and provides a solid foundation that has softened many of the impacts of a weak national economy for the past several years. He says KFB and its grassroots members will work to defeat any attempt to erode agriculture's vital role in the Kansas economy.

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DURHAM	G&R Implement Co. 620-732-3245
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GARDEN CITY	Becker Alfalfa 620-276-6102
GLEN ELDER	Winkel Manufacturing 785-545-3606
GREAT BEND	Gottschalk Equipment Sales 620-793-5120
HAYS	Gottschalk Equipment Sales 785-625-8830
HIAWATHA	Bruna Brothers Implement 785-742-2261
INDEPENDENCE	Romans Outdoor Power, Inc. 620-331-2970
IOLA	Storrer Implement Inc. 620-365-5692
LEONARDVILLE	Vermeer Baler Sales & Leasing 785-293-5583
LOUISBURG	Romans Outdoor Power, Inc. 913-837-5225
LYNDON	Sloop Sales & Hook's Repair 785-828-4706
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PLEASANTON	Conley Sales 913-352-6344
SENECA	Bruna Brothers Implement 785-336-2111
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WESTERN	Schwisow Hay 402-433-2136

ESTATE AUCTION

SATURDAY, MAY 16 — 10:00 AM

THIS AD RAN LAST WEEK WITH AN INCORRECT DATE

AUCTION IS SATURDAY, MAY 16 — 10:00 AM

LOCATED: 405 Elm Street — MARYSVILLE, KANSAS

TOOLS — TRAILERS — TRACTOR — PICKUP — LAWN TRACTOR

Dewalt 12" Sliding Compound Miter Saw; Ridgid 10" Table Saw; Industrial Air Compressor; Hobart Handler 125 EZ Wire Welder; Acetylene Torch Set; JD 3000 PSI Power Washer; 2 Ton Folding Engine Hoist; Porter Cable 4 1/2" Grinder; 2 Dewalt Cordless Drills; Dewalt Cordless Circular Saw; Dewalt Palm Sander; Sm. Air Compressor; Ridgid 6 gal. Shop Vac; Ridgid El. Drill; Battery Charger; Misc. Power Hand Tools; Milwaukee 18V Cordless Drill; Bench Grinder; Delta Frame & Trim Saw; NIB Craftsman Router; Bosch Hammer Drill; 2 Bosch Saber Saws; 8 gal. Shop Vac/carrier; Makita Circular Saw; Craftsman Reciprocal Saw; HD Floor Jack; 2 Bench Vises; Werner 16 & 24 ft. Fiberglass Ext. Ladders; 6 & 8 ft. Fiberglass Step Ladders; Ladder Stabilizer; 4 ft. Alum. Step Ladder; Wood Step Ladders; Air Bubble; Few Long Handled Tools; Handyman Jack; 2 Pickup Tool Boxes; Craftsman 8 Drawer Metal Cabinet; 8 pc. 1" to 2" Wrench Set; Grease Guns; Log Chains; Sm. Tool Boxes; Furniture Clamps; Board Roller; Handles Hex Wrench Sets; Elect. Transfer Pump; Car Ramps; Port. Cement Mixer; Stihl HS 45 Trimmer; Stihl MS 170 Chain Saw; Stihl 8655 Blower; Stihl MS 270 Chain Saw; Stihl FS56 Weed Eater; Elect. Lawn Edger; Fiberglass Limb Trimmer; Hand Sprayer; Broadcast Spreader; 25 gal. Sprayer w/pump; **Tractor-Equipment-Trailers-Lawn Tractor-Truck: Sell at 12 Noon:** 2007 JD 4720D Hydro Tractor w/400 CX Loader & 6 ft. Bucket - 410 hrs; Rhino ST 6 ft. PTO Tiller; 3 pt. 5 ft. Rhino Rotary Mower; 3 pt. 6 ft. Rhino Blade; 3 pt. HD Rear Counter Weight; 3 pt. Adaptor; 3 pt. Worksaver Boom; 6 ft. Harrow Section; Fastline 18 ft. HD Flat Bed Tilt Trailer w/hyd; 3 pt. Fastline Twin Axle 6.5x10 Mini Dump Trailer w/ hyd. & steel bed; 2008 JD X744 Lawn Tractor w/2cyl Yanmar Diesel Engine & 4 wheel steering -719 hrs; 3 pt. Pull Lawn Spreader; Huskee 17 cu. ft. Lawn Cart; JD 5 ft. Pull Thatcher; JD 4 ft. Lawn Tractor Blade; 2008 Dodge SLT 4x4 pickup, 99,600 mi; Other Items. **Auction Note: Most of the tools and equipment are in ready to use condition and were bought new by John.**

For Pictures See Websites.

TERMS: Cash sale day. Statements sale day take precedence. Sellers & auctioneers not responsible for accident or theft.

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Given tenderness, marbling is key

By Katy Kemp

The study of why we eat beef keeps pointing past tenderness. Given only certified tender strip steaks that varied in marbling and juiciness, a carefully chosen panel of 120 consumers said flavor is where it's at.

Sensory evaluation research, as part of a joint project among Texas Tech, Utah State and Mississippi State universities, scored the strip-loin steaks to get at the role of taste fat in consumer appeal. Mark Miller, the San Antonio Stock Show and Rodeo distinguished chair in meat science at Texas Tech, helped conduct the recent study published in Meat Science last fall titled, *Sensory evaluation of tender beef strip loin steaks of varying marbling levels and quality treatments*. Since the mid-1980s, the beef industry has worked to improve overall tenderness, Miller says. Now that the 2010 National Beef Tenderness Survey found no toughness issue with 94% of rib and loin

cuts, the focus rightly moves to other factors.

"We have the previous data that suggests tenderness, flavor and juiciness all affect palatability," he says. "The data suggested flavor was important but no study had isolated that component by leveling the tenderness in the samples. As the product is getting more tender, we wanted to know what are the primary drivers for consumer eating satisfaction." The study evaluated consumers who were the regular purchasers of beef in their families and ate beef one to three times per week. Most of them named tenderness as the top palatability trait, followed by flavor, but when it came to this test among equally tender steaks, most ranked flavor at the top. Participants were provided samples of ten strip-loin steaks meeting Warner-Bratzler shear force (WBSF) criteria for the USDA "Certified Very Tender" claim to minimize any halo effect of tenderness in

the evaluation. Steaks in the study included: Australian Wagyu (AUWA) - finished on a barley ration, American Wagyu (AMWA) - finished on corn ration, USDA Prime, USDA High Choice, USDA Top Choice-Holstein, USDA Low Choice, New Zealand grass-finished (GR), USDA Select-Holstein, USDA Select and USDA Standard.

"Flavor is magnified when tenderness is acceptable," Miller says. "When juiciness and tenderness factors are met, the evaluation of that steak goes to flavor, so that's why the focus of the evaluation is amplified, because we are more or less meeting the other two criteria."

Because consumers perceive tenderness differences with variations in marbling, some halo effect was unavoidable. For example, the panelists found no difference in tenderness among the three steak samples with the highest fat levels (AUWA, AMWA, and Prime), which also received

their highest palatability rankings. However, the panel noted Standard, GR and Select steaks at the bottom for tenderness. Juiciness and flavor liking ratings were positively associated with fat content, higher with increased marbling. GR samples were rated lowest for overall palatability of the grilled strip loin steaks, just below Standard. Asked to rate overall acceptability for tenderness, juiciness, flavor and overall liking, consumers preferred Prime at 92.92%, followed closely by High Choice at 92.34%, compared to Standard at 61.16%. High Choice represents the marbling level required to meet Certified Angus Beef® (CAB®) brand acceptance.

Since panelists did not know actual grade or quality levels in the study, their perceptions were all that ranked 40% of Standard steaks as unsatisfactory for quality, compared to just 6.67% unsatisfactory for Prime samples. Asked to rate each sample for its

ability to meet or exceed "good everyday quality, better than everyday quality and premium quality," the higher fat (marbling) steaks were named to that premium category more often than all other samples. While 50% rated High Choice as good for everyday quality eating, nearly another 40% called it better than that for a total 89.17% satisfactory. The consumer panel results are "pretty significant" in pointing out the importance of marbling today, says Mark McCully, CAB vice president for production. "With the product getting more tender through genetic selection, we need to look at the primary drivers of consumer eating satisfaction," he says. "A tough steak is hard to sell—that trumps everything—but once it's deemed tender, juiciness and flavor matter the most, so marbling matters." That's not to say we can ignore tenderness now. "We shouldn't be comfortable with a near 7% failure rate," McCully says.

"Considering environments, 93% is pretty good for where we are, but also leaves room for improvement." Given to-day's beef prices, asking consumers to pay more for a steak they might find unsatisfactory doesn't suit Miller or McCully. For consumers to suggest a Select steak from the loin is unsatisfactory up to 34% of the time means a lot of risk for beef consumption, McCully says.

To keep growing beef demand, producers must think about the steak on the plate, and marbling contributes to that appeal, he says. Placing selection pressure on quality is a logical way to respond to the market signals consumers are sending. Miller agrees: "If we are going to ask consumers to pay current prices, or more, it's going to have to eat really well, consistently. There is no room for error if you consider the price of competing proteins." The full paper is available at www.cabpartners.com/research.

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Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to www.grassandgrain.com & logging onto the online subscription

For our sale Friday, May 8th steers and heifers were in very good demand at stronger prices. Cull cows and bulls were selling at fully steady prices on the kind offered.

STEERS AND BULL CALVES — 275-525 LBS

Neosho Rapids	4 blk	278@1,050.00H
Westmoreland	7 blk	407@303.00
Cottonwood Falls	3 blk	426@290.00
Neosho Rapids	4 blk	417@289.00
Linn	5 blk	463@287.00
Soldier	5 xbred	499@277.50
Wamego	5 blk	525@266.00
Wamego	3 blk	520@264.00
Holton	4 holstein	290@217.50

BULLS & FEEDER STEERS — 550-1075 LBS.

Soldier	12 xbred	598@274.25
Effingham	14 blk	587@269.00
Soldier	15 xbred	686@258.00
Basehor	17 blk bulls	602@246.50
Basehor	4 blk	630@245.00
Manhattan	6 blk	625@240.50
Effingham	5 xbred	699@228.00
Basehor	8 blk	711@223.00
Wheaton	7 herford	764@216.00
Basehor	5 blk	808@210.00
Wheaton	9 mix	877@203.75
Wheaton	5 blk	1055@175.00

HEIFER CALVES — 225-550 LBS.

Onaga	3 blk	235@925.00H
Westmoreland	3 blk	321@300.00
Neosho Rapids	4 blk	305@294.00
Westmoreland	7 blk	423@267.00
Wamego	9 blk	470@264.00
Emporia	3 blk	445@262.00
Linn	6 blk	434@261.00
Linn	23 blk	503@260.00
Allen	5 blk	497@258.00
Soldier	6 xbred	509@252.50
Basehor	20 blk	540@252.50
Havensville	3 blk	525@249.00
Linn	5 xbred	473@245.50
Westmoreland	3 blk	540@245.00

FEEDER HEIFERS — 550-825 LBS

Axtell	6 blk	550@244.00
Soldier	12 xbred	602@243.00
Alta Vista	3 blk	588@231.00
Basehor	8 blk	655@220.00
Basehor	3 blk	723@201.50
Onaga	3 blk	791@185.00
Alta Vista	3 blk	808@184.50

COWS & HEIFERETTES — 775-1,600 LBS

Wheaton	1 bwf	900@186.00
Blaine	1 blk	1085@175.00
Manhattan	1 blk	1115@167.00
Onaga	1 blk	930@164.00
Wamego	1 blk	780@157.00
St. George	1 blk	865@155.00
Carbondale	1 blk	865@135.00
Westmoreland	1 xbred	1110@127.00
Frankfort	1 xbred	995@121.00
Frankfort	1 xbred	965@120.00
Westmoreland	1	1140@118.00
White City	1 blk	1275@114.50
Minneapolis	1 blk	1070@113.00
Westmoreland	1 xbred	1380@113.00
Tampa	1 blk	1230@113.00
Westmoreland	1 bwf	1150@113.00
Emporia	1 blk	1440@112.00
Frankfort	1 blk	1090@111.00
Clay Center	1 bwf	1405@111.00
Onaga	1 blk	1600@111.00
Westmoreland	1 blk	1545@110.50
Onaga	1 blk	1535@110.00
Tampa	1 blk	1295@109.00
Onaga	1 char	1290@109.00
Tampa	1 blk	1415@108.50
Goff	1 blk	1125@107.50
Tampa	1 blk	1230@107.00
Frankfort	1 blk	1250@106.50
Onaga	1 blk	1190@106.00
Wheaton	1 blk	1090@104.00
Onaga	1 blk	1375@100.00

BULLS — 1,050-2,250 LBS.

Olsburg	1 blk	1065@157.00
Randolph	1 herford	1095@147.00
Randolph	1 herford	2235@139.00
Onaga	1 simm	2025@137.00
Frankfort	1 blk	1840@135.00
Alma	1 herford	1285@134.00
Onaga	1 blk	1755@133.00
Frankfort	1 xbred	2145@132.00

For our Special Cow Sale Wednesday, May 6th we had a nice run of cows and a good attendance of local and out of state buyers. All cows that were good quality were finding very good interest at strong prices. Following is a partial listing.

COW/CALF PAIRS

Palmer	4 blk	2 yr 4 m	\$4,075.00
Palmer	6 blk	2-3yr 4 m	\$3,950.00

Clay Center	3 blk	6-7-SSyr4-5m	\$3,750.00
Wamego	4 blk	3	\$3,400.00
Palmer	5 blk	3	\$3,400.00
Minneapolis	10 blk	3	\$3,350.00
Minneapolis	11 blk	3	\$3,300.00
Smith Center	11 xbred	3	\$3,275.00
Smith Center	4 xbred	5	\$3,275.00
Minneapolis	10 blk	3	\$3,250.00
Leavenworth	2 blk	3	\$3,175.00
Minneapolis	27 blk	3-4	\$3,100.00
White City	2 blk	4	\$3,100.00
Minneapolis	9 blk	5-6	\$3,075.00
Minneapolis	8 blk	2	\$3,050.00
Minneapolis	7 blk	7	\$3,000.00
Gypsum	4 herford	2-3	\$2,975.00
Minneapolis	6 blk	5-6	\$2,950.00
Minneapolis	3 blk	2-4	\$2,950.00
Emporia	2 blk	3	\$2,950.00
Minneapolis	9 blk	2	\$2,900.00
Prairie Village	4 xbred	3-4	\$2,850.00
Emporia	6 xbred	5-6	\$2,850.00
Council Grove	2 blk	5	\$2,850.00
Smith Center	2 blk	SS	\$2,725.00
Herington	4 herford	4-6	\$2,675.00
Minneapolis	6 blk	2	\$2,675.00
Minneapolis	8 blk	2	\$2,675.00
Minneapolis	7 blk	5-6	\$2,650.00
Ozawkie	2 blk	7	\$2,600.00
Minneapolis	7 blk	SS	\$2,575.00
Holton	2 blk	3	\$2,500.00
Frankfort	3 blk	5-7	\$2,475.00
Prairie Village	2 xbred	SS	\$2,400.00
Wheaton	2 blk	SS	\$2,300.00
Smith Center	2 xbred	SS	\$2,250.00
Frankfort	5 xbred	00	\$2,200.00
Ogden	3 blk	BM	\$2,200.00
Alta Vista	2 blk	00-BM	\$2,000.00
Minneapolis	5 blk	00	\$1,925.00

Alta Vista	3 blk	7	4	\$2,050.00
Emporia	3 blk	7	8	\$2,000.00
White City	2 xbred	SS	4	\$2,000.00
Junction City	4 blk	SS	4	\$1,975.00
Alta Vista	3 blk	SS	2-4	\$1,950.00
Minneapolis	2 blk	7-8	8	\$1,850.00
Onaga	2 blk	SS	7-8	\$1,825.00
Alta Vista	3 blk	SS	3-4	\$1,800.00
Junction City	3 mix	BM	3-4	\$1,750.00

BREEDING BULLS

McLouth	1 Angus	\$4,500.00
Manhattan	1 simm	\$4,500.00
Beattie	1 simm	\$3,750.00
Beattie	1 simm	\$3,600.00
Manhattan	1 simm	\$3,250.00
Leonardville	1 blk	\$3,100.00
Holton	1 blk	\$3,000.00
Blue Rapids	1 Angus	\$3,000.00
Marysville	1 Angus	\$3,000.00
Hutchinson	3 xbred	\$2,800.00

EARLY CONSIGNMENTS FRIDAY, MAY 15TH

45 Angus str & 22 Angus hfrs, sired by Harms Angus bulls, weaned 45 days, 2 complete rds shots, green, 500-600 lbs. 30 blk & bwf str & hfrs, no implants, 2 rds shots, weaned 30 days, 450-550 lbs.

25 Choice Holstein str, 775-825 lbs. 20 blk & xbred Heiferettes 17 blk & bwf cows, 7 yrs old w/calves by side 7 blk str, longtime weaned, all shots, 525-575 lbs.

6 blk baby calves 6 Angus cows, 5-8 yrs old, bred Angus, 2nd stages

EARLY CONSIGNMENTS FRIDAY, MAY 22ND:

45 Angus str & 22 Angus hfrs, sired by Harms Angus bulls, weaned 45 days, 2 complete rds shots, green, 500-600 lbs. 6 Angus cows, 5-8 yrs old, bred Angus, 2nd stages

EARLY CONSIGNMENTS FRIDAY, MAY 29TH:

35 Choice Holstein str, all shots, ready for grass, 450-550 lbs.

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

FIELD REPRESENTATIVES

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LONNIE WILSON'S CONSIGNMENT AUCTION

SATURDAY, MAY 16 — 10:00 AM

601 South Broadway — SALINA, KANSAS

Guns will sell at noon with vehicles following.

SELLING IN 3 RINGS STARTING AT 10:00 AM. PANELS & FARM EQUIPMENT OUTSIDE AND 2 INSIDE RINGS.

Sellers include: El Dorado National * Advance Auto Parts * Kansas Department of Wildlife, Parks & Tourism * ADM Milling * Richard House estate * Outlaw Cycles *

MOTORHOMES, CAMPERS:

1999 Terry EX 26 5E by Fleetwood 5th wheel camper w/1 slide; Hitchhiker (29 ft) by Nu-Wa 5th wheel camper has new roof coating, fridge, tires; 1986 33' Pace Arrow by Fleetwood motor home has Norcold refrigerator & freezer, Magic Chef stove/oven, Sharp Carousel microwave oven; Coachman 328 RK 5th wheel camper with 1 slide (needs work).

COLLECTOR CARS & TRUCKS:

1982 Mercedes-Benz 380SL has hard & new soft top, 71,000 miles, super condition; 1959 Chevrolet Impala 2-door less than 2k miles on rebuilt motor, body & interior not restored; 1995 Corvette; 1967 Cadillac Sedan DeVille 37,537 original miles; 1988 Jaguar 61,371 miles with 3-pc T-top/hard top & soft top super nice condition; 2001 Jaguar sedan (transmission sometimes slips).

SEMI TRACTORS, TRUCKS, TRAILERS:

2002 International 9900 semi-tractor 430hp Caterpillar engine Eaton Fuller 10-sp tranny full sleeper twin screw; 1972 45' Fruehauf livestock trailer; Neuman triple-axle gooseneck trailer 24' deck; triple axle gooseneck stock trailer 30' overall, 6.5' storage over gooseneck, good condition; tandem axle low floor gooseneck trailer 16' x 6' bed; 14-1/2' tandem axle enclosed trailer w/rear ramp/door & curb side door; 2000 Neal Manufacturing tandem axle gooseneck trailer 6' top deck 26' bottom deck 8'6" wide; 1964 Chevrolet 60 farm truck w/13.5' Giant bed & hoist; 1963 International Loadstar 1600 gas truck; 48' Utility flat-bed semi-trailer; 40' flat-bed semi-trailer; tandem axle flat-bed car trailer rated 7000# 24' x 8.5' bed w/ramps & winch (no title - bill of sale); 2-wheeled trailer w/7' x 4' bed & side storage; 2-wheeled trailer 10'6" x 6' bed; 2-wheeled military trailer w/8' x 4' bed; 4' x 6' bed trailer w/sidewalls; 2-wheeled trailer w/4' x 8' plywood box; 4' x 7' trailer; 1-horse trailer; 1994 Navistar truck w/Detroit Diesel Series 60 engine & Eaton-Fuller transmission, not running, selling as parts, has a 34' box w/ramp door (was a car hauler/shop combination) - truck was repossessed by Central National Bank, selling with possession lien paperwork, buyer is responsible to obtain title if desired; Consigned by Rolling Hills Ranch - truck, trailer, sprayer

MOTOR GRADER, SKID STEER LOADERS, SKID STEER TIRES:

Galion 503 series "L" gas powered motor grader w/10' blade 2189 hrs (good size for terraces, etc); 2008 Case 465 Series 3475 hrs, high flow, 2-speed, new 12x16.5 tires, ride control, open cab; 1999 Gehl 6635 SXT Turbo skid steer loader 2546 hrs, T-Bar hand controls, 80hp Deutz diesel engine w/new 72" bucket; 1996 Case 1845C, 3642 hrs, open cab, new 12x16.5 Goodyear tires, Cummins diesel engine, very nice machine; (6) NEW Titan Contractor FWD skid loader tires on 6-bolt wheels 12-16.5 NHS; (2) NEW Titan Trac Loader tires on 6-bolt wheels 25-8.50 14 NHS

FORKLIFTS, CHARGERS:

(2) Raymond 36v reach fork lifts; (7) Kodiak 36v 3-circuit battery chargers for 18 cells lead/acid batteries. Input 208/240/480v at 22.5/19.5/9.8 amps. Output 36v 13 amp per circuit

TRACTORS, IMPLEMENTS:

Massey-Ferguson 1030 tractor front wheel assist has 3-pt & PTO w/MF1016 loader; (2) John Deere 556 large round balers w/monitors; New Holland 664 auto-wrap round baler w/monitor; Land Pride mod.RCM15714 batting rotary mower 14' cut; Case 631 diesel tractor w/3-pt, PTO

LIGHT POSTS, PALLET RACKING UPRIGHTS:

Approx. 35 steel light posts 35' tall; approx. 20 aluminum light posts 35' tall; light arms & heads; 7' auger bases; other bases & mounts; (19) pcs pallet racking uprights 20' x 32"; (light poles could also be used for driveway posts or in combination with racking to make hay or pole barn).

FARM EQUIPMENT:

(80) sections 20' x 4' 6-bar continuous fencing w/connectors; Goodyear Super Traction combine tire 800/65R32 60% tread; (67) 6' & 7' T-posts; roll of twisted cable barless fence wire; fence ties; (135) hedge line & corner posts; (7) animal feed tubs w/4 lids; (12) 250-gallon pallet-tainers

CARS, PICKUPS:

2006 Chevrolet Silverado 2500 HD LT 4x4 pickup w/6.6L Duramax diesel & 6-sp Allison transmission; 2005 Ford F350 quad cab dually pickup w/Powerstroke Turbo Diesel V8 129,623 miles; 2001 Dodge 3500 RAM dually pickup w/Cummins 24 valve turbo diesel; 1986 Ford F-350 diesel dually pickup

w/flatbed & gooseneck ball; 2006 Mini Cooper 101,798 miles; 1998 GMC Jimmy; 1998 Ford F-150 XLT 4x4 pickup; 1997 Dodge RAM 2500 4x4 pickup V8 Magnum; 1997 Cadillac DeVille D'Elegance, 32v North Star engine, leather interior, recent tune-up; 1996 Ford Crown Vic 95,986 miles; 1995 Ford Explorer XLT; 1994 Ford Crown Vic 128,707 miles; 1978 Ford F250 Ranger Super Cab pickup 460 cu in V8 68,024 miles (really nice interior, has cab corners & door weather-strip for restoration); 1989 Buick Park Avenue

TIRES, RIMS, BATTERIES, SEATS, PARTS: TIRES & RIMS:

Set/5 Goodyear Wrangler ST P265/70R17; set/4 Goodyear Wrangler DuraTrac LT265/70R17; set/4 Goodrich Rugged Terrain T/A LT245/75R17; set/4 BF Goodrich Rugged Terrain T/A tires LT245/74R17 w/less than 5k miles; (3) Firestone T575 LP radials 255/70R22.5 16 PR; General D450 11R24.5; Michelin 275/80R24.5; (2) Dexte7RO LT 265/75R16; (2) Pirelli PZero 245/40ZR18; (2) Pirelli PZero 295/35 7R20; set/4 Chevy rims & hubcaps; set/4 10-bolt rims. BATTERIES: Top & side post batteries (new from ElDorado National - pulled from new chassis and replaced with larger batteries for bus use). SEATS: New Van & truck seats (standard seats ElDorado pulled from new vehicles and upgraded). PARTS: (4) sets leaf springs/ mounts/shackles assemblies; front & rear truck bumper assemblies; (2) DOT- public use lifts for buses; hubcaps; tail lights; speakers; bus & RV windows; radio/CD stereo units; auto body masking tapes & papers; rear view mirror assemblies; 12v fluorescent lights; console assemblies; large spools heater hose

BOATS, JET SKIS, BOATING EQUIPMENT:

1996 Crown Line 20' I/O ski boat w/5.8 Volvo Penta engine & Prestige trailer; Starcraft Medalist 1901 I/O ski boat w/OMC Cobra 5 litre engine; 20017 Bombardier Sea-Doo GTI jet ski; 2008 225hp Mercury Optimax direct injection outboard 960 hrs (lower end cracked) guaranteed to run; Hydra-Sports b.a.s.s. Kydrak King bass boat w/80hp Mercury outboard & trailer; Glastron V186 Aqua Lift ski boat w/115hp Mercury outboard & trailer; 15' Thunderbird boat w/Evinrude Four Fifty Starlite outboard motor & trailer; paddle boat; mini pontoon pond boat; TowGo dual Jet Ski trailer

MOTORCYCLES:

2006 GL1800 Honda Gold Wing motorcycle 10,564 miles with the works - reverse, deluxe 2-person seat, front & back seat heaters, grip heaters, CD/AM/FM stereo, cruise control, CB radio, adjustable headlights, remote locks; JUIST IN - TRAILERLOADS OF PRODUCT FROM OUTLAW CYCLES - TIRES, WHEELS, BATTERIES, TAIL PIPES, TANKS, TABLES & TABLES OF PARTS & ACCESSORIES. WATCH WEB SITE FOR EXPANDED LISTING AS IT GETS MADE.

ATVs, GOLF CART:

2008 Yamaha Rhino 700 FI 4x4 271 hrs; 2007 Polaris Ranger 700 twin EFI 4x4 1067 hrs; 2005 Polaris Sportsman 500 H.O. AWD automatic 6400 miles; 2001 Yamaha Kodiak 400 Ultramatic 4x4 w/winch; 2000 Polaris Expedition 425 4x4 w/winch (needs shifting gear); 1988 Honda Fourtrax TRX200SX; E-Z-Go gas golf cart (needs repair)

MOWERS, YARD EQUIPMENT:

Land Pride ZXT Pro zero turn riding mower 26hp B&S engine 60" deck, low hours; Gravely ZT2044 zero turn mower 20hp Kohler engine 44" deck; Troy-Bilt horse rear-tine tiller w/8hp B&S industrial plus engine & furrower attachment; Poulan Pro 500EX riding mower 22hp 46" cut; 25-gallon trailer mounted sprayer w/Hypro Roller pump; Fimco trailer sprayer; 200 gallon sprayer w/B&S Intek 190 engine & 300' hose; Craftsman 8.5hp chipper/shredder; International Cadet 382 Hydro riding mower; John Deere EZ-Track Z-225 18.5hp 42" cut 56.7 hrs w/bagging system & 8 hrs on tune-up & new blade; Viper gas powered post hole digger w/43cc engine; Billy Goat lawn vacuum w/8hp engine

GAME MOUNTS, WILDLIFE ITEMS:

Alaska Brown Bear (9-1/2 ft) mount on rolling base; Harley-Davidson chair made with moose & elk antlers; elk head mount approx. 405 inch, base approx. 14.5 inches; large moose head mount, check the "beard" (bell or dewlap) of this one; another elk head mount; bear skull; asstd wildlife pictures

GUNS, ARCHERY, AMMO:

Marlin mod.60 22 cal semi-auto rifle camouflaged w/scope; H&R mod.922 22 cal 9-shot revolver; Omega 22 cal revolver w/holster; Winchester mod.37A 410 single-shot shotgun; New Haven 20 ga pump riot gun; Utica mod.Special 12 ga double-barrel shotgun; (2) Jimenez Arms mod.JA NINE 9 mm semi-auto pistols w/2 clips NIB; Mossberg Int. mod.715T 22 cal semi-auto rifle w/30 rd clip NIB; Remington mod.514 22 cal single shot bolt action rifle; Sears & Roebuck mod.200 Ted Williams 12 ga pump shotgun w/poly choke; Savage mod.111 30-06 bolt action rifle w/sling; Iver-Johnson mod.1900 22 cal double action 9-shot revolver; Wards Western Field 22 cal bolt-action rifle; Western Auto Revelation mod.150 22 cal semi-auto rifle; JC Higgins mod.44 22 cal lever action rifle; Winchester mod.190 22cal semi-auto rifle; Winchester mod.190 22 cal semi-auto rifle; Wards Western Field mod.XNH825 22 cal pump rifle; Winchester mod.190 22 cal semi-auto rifle; Israel Military Industries Magnum Research mod. Desert Eagle 44 mag cal target pistol w/extra clip; Cobra Derringer mod.CB22N cal 22 mag purple NIB - never fired; Springfield US Army mod.1903 30-06 rifle; Remington 22 cal bolt action single shot rifle; MIRCKU mod. Charles Daily O/U 12 ga trap gun; Hopkins & Allen mod. D.B 16 ga shotgun antique; Winchester mod.1897 12 ga pump shotgun; Remington mod.17 20 ga pump shotgun; Smith & Wesson mod.686 357 magnum revolver; Winchester 03A3 mod.OF1917 30-06 rifle; Springfield Arms International Harvester 30-06 rifle; Rossis 243 Win single shot rifle w/scope & extra 20 ga bb; Traditions mod. Fox River 54 cal black powder rifle; Mathews 7016 70# compound bow RH w/TruGlo sight, Delta quiver, break-away rest; Crosman & Winchester air rifles; spottor scope 20 - 60x60, Minolta 10x50 & Nikon 10x42 binoculars

MOBILE COMPRESSOR-BLASTING EQUIPMENT:

2010 Sullivan Palatak 210 model 185 cfm sand blaster W/828 hrs. 1 soda & 1 sand pot on mobile unit with all accessories (hoses, helmets, air lines, etc)

INDUSTRIAL & CONSTRUCTION EQUIPMENT:

Pr ramps 14' x 74" w/19" lift; pr ramps 34' long (used to drive trucks on to apply undercoating); materials cart for rolled sheeting; materials cart w/HD casters; A-frame; Sheeter tape application table; 2-ton materials lift w/auxiliary pressure tanks; vacuum system parts; pallet racking cross bars & wire decking; trailer load lock channels; rolled material sheet cutting table; Coats Direct Drive 950 solid state computer wheel balancer; Rockwell industrial chop saw 220/440v 5hp 3ph; barrel type vacuum system; NEW Airtel mod.406Q air cooled aftercooler; Continental HD drill press mod. DPF 24-1000 9-speed 1 hp MT3 spindle; Alkoma mod.110WASHAR pressure washer 220v 32amp 1-ph; Donaldson Torit mod. DFO 2-2 dust collector 208/460v 3hp 3ph; (19) warehouse stocking carts; (2) aluminum ladder carts; conveyor belts (would make good anti-slip mats for handicap ramps); (5) forklift propane tanks; XMTE J5520-48AMS Speed Treater on stand (pre-treats shirts before printing); ACME National belt sanding table 2hp 208-220/440v 3ph; Saylor-Beall air compressor 7.5hp 200v 3ph

Adjustomatic Scaffolding by Auto-

matic Devices, Inc. - (150) 6' walk-thru sections, (44) 5' sections, (12) 4' sections, 4 plts outriggers, 3 plts bracing

BUILDING SUPPLIES:

Oak vanity w/top & sink w/matching vertical cabinet & cabinet front for additional shelves; pallet of red/black top ledge block; (19) high bay warehouse lights; rolled fiberglass sheeting - 130+ ft roll 8' wide & 90+ ft roll 8'10" wide; 40 ITT Weaver enclosed & gasketed lights for wet conditions; 13 pallets top ledge block smoky tan; 3 pallets top ledge block red & black; over 100 rolls commercial carpet up to 68' long

Playhouse w/front & rear doors,

porch - 6.5 ft x 7 ft house w/2 windows, 7.5 ft x 9.5 ft overall, primed. Storage building 7'7" x 9'3" main body - 9' x 9'6" overall w/roof

TOOLS:

Craftsman Contractor Series 10" table saw 3hp belt drive w/rolling stand; Craftsman 10" flex drive table saw; Heat Buster shop fan; porta-power equipment; Delta bench grinder on stand; swivel bench vise on pedestal; Lincoln Electric Magnum water cooler; Lincoln Electric Cool-Arc 40 water cooler; Craftsman 10" 2.5hp radial arm saw; Coleman Powermate MAXA ER

5000w generator w/Tecumseh 10hp engine; reel w/hydraulic hose; RBI Industries mod.214 Hawk Precision scroll saw; HD crimpers; chain wrenches up to 12"; vacuum pump; Marquette battery charger; Minute-man commercial vacuum; revolving hardware bins; NEW B&S 5.5K Elite Series portable generator 10hp extended run engine; (4) 6' & (6) 8' aluminum & fiberglass stepladders; 10' fiberglass stepladder; (2) engine stands; All-Power 1000w 2 stroke generator; Guardian Power 12-speed HD drill press 3/4hp, 5/8" chuck, spindle MT No.2; Craftsman 10" radial arm saw will do bevel & rip cuts, no stand; Coleman Powermate mod.PMO401853 1500w Mega Pulse generator; Pacific Hydrostar 2" gas powered clear water pump; 3-sp bench top drill press; 14" band saw 115/230v 1/2hp w/stand; B&S 5.5K Elite Series portable generator 10hp; Tractor Supply aluminum diamond tread PU tool box; Delta aluminum diamond tread PU tool box; Snap-on cooler cart; DeWalt 3000 psi gas pressure washer w/Honda 160 engine; B&S Elite Series gas pressure washer 2550 psi

RESTAURANT EQUIPMENT:

1984 Chevrolet P32 van food truck - has propane flat top, fryer, 2-burner stove, exhaust hood, hand wash & 3-hole sinks, 2 ACs, 2-door cooler/prep table, ready to paint your color; Hickory Industries Bar B-Q gas rotisserie machine; (2) Blodgett commercial ovens; set/25 & set/5 stacking chairs

HOUSEHOLD APPLIANCES:

KitchenAid Superba 25 cuft refrigerator w/water & ice thru the door; Rheem 15 cuft upright freezer

ELECTRONICS:

Minolta DiAlTA copier; HP Officejet PRO L7650 All-In-One; (4) Altec 1211A column speakers; RCA boom shelf stereo w/bass reflex speakers; pr Boston ported speakers

GUITARS & AMPS:

Custom 1952 Telecaster (6-string electric guitar made w/USA parts), maple fret board, 2 single pick-ups, 3-way switch w/volume & tone controls w/hard case; Fender Stratocaster XII (12-string electric guitar made in Japan), 3 single pick-ups, 5-way switch, volume & 2 tone controls w/hard case; Fender Acoustic/Electric (6-string guitar >25 yrs old) very good condition w/hard case; Ibanez half stack amp - 4 by 12" speaker cabinet & head amp; Peavey 75 w amp - 12" speaker w/built in effects (like new); Hagstrom guitar case

EXERCISE & SPORTS EQUIPMENT:

Sport Rider exerciser; Huffy basketball goal & backboard w/mount; NEW Pentair WhisperFlo pool pump mod.011774 115/230v 2hp; NEW Pentair WhisperFlo pool pump mod.011515 208/230v 2hp energy efficient; free weights w/bars & stand; benches; Image 10.6Q treadmill 2/electronic controls; fishing rods & reels

HEALTH CARE & INVALID EQUIPMENT:

Excel folding wheel chair w/leg supports; hospital bed w/rails; folding walker; shower chair

COLLECTIBLES:

Painted Harley-Davidson/eagle concrete plaque; Seagram's VO clock; Michelob lighted sign; Tequila neon sign; Moore's 3-way wood burning stove; (5) tables of clock cases, parts, mechanisms from hobbyist; (3) cast iron pots; (5) crocks w/5-gal Western, 3-gal McComb; cast iron rendering kettle

Stuffed toy stuffing blower machine

w/several boxes stuffing, cases & cases of animal toys stuffed and to be stuffed, boxes & boxes of stuffed toy clothing and accessories. Portable - would be great for an entrepreneur to set up at schools, fairs, or other events

FURNITURE & MISCELLANEOUS:

Table w/leaf & 4 chairs; electric fire-place; tea cart; (2) blanket or toy chest/benches; floral sofa; Simmons Beautyrest queen size mattress & box springs; queen poster bed frame; cedar armoire; king size oak bedroom set w/book case head board flanked by vertical cabinets with bridge & mirrors, triple dresser w/flip top storage, armoire; 48" claw foot oak table, 24" leaf, 6 matching chairs; 6' x 42" oak table, 18" leaf, 6 matching chairs; oak entertainment center; casino type card tables; office equipment - 2, 4, 5-drawer files, cabinets, carts, etc; 68" x 44" inlaid table w/2 15.5" leaves & 4 chairs; oak wash stand; parlor table; cane-sided chairs; oak 2-pc china cabinet; pr swivel stools w/backsp; pr cane-seated chairs; (7) tall ice cream chairs

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Women Managing the Land meeting scheduled for May 14

Women Managing the Land will be held on Thursday, May 14, at Sterl Hall in Abilene at 7:00 p.m. This will be an excellent opportunity for ladies who are involved in agriculture to get together for a night of fun and information designed just for them.

Presenters will be Charlotte Olsen, K-State Professor/Extension Specialist in Family Systems presenting "FamilyTALK: Making It Work for Farm and Ranch Families" and Kerri Ebert, K-State Coordinator for the KansasAgrAbility for "Women in Agriculture: Your Body Your Tools," exploring the physical differences between women and men and why those differences matter when working on the farm with tools designed for men.

Call the Extension office at 785-263-2001 to register or for more information.

REAL ESTATE & PERSONAL PROPERTY

JOSEPH & CAROLE SHEPHERD ESTATE AUCTION

SATURDAY, MAY 23 — 10:00 AM

3610 E 56TH Ave. — HUTCHINSON, KS

OPEN HOUSE: SUNDAY MAY 17TH • 2-4 PM

AUCTIONEER'S NOTE: Selling is a home in a rural setting with a nice covered back porch overlooking a pond in a wooded setting which often has turkey and deer on the grounds. Other features of the property include a gazebo, 4-stall horse stable, large shop w/overhead door and a shooting range for the gun enthusiast. Sale includes a late model car & pickups, trailer, tractor w/loader, riding mowers, shop equipment, a few guns, horse saddles & tack, household goods, artwork, dolls, jewelry, etc. We will run 2 rings most of the day. Main entrance will be off of Old K 61 Hwy - follow the signs. 10% buyer's premium will be charged on this auction.

HOUSE & PROPERTY: There are 2 parcels - will be bid separately and then combined, selling for highest total price.

1st parcel has 16+ acres w/2,040 sqft ranch style 2-bedroom house, full & half baths, full basement, 2-car attached garage, built 1977. The house has brick veneer, composition shingles, central heat & air, fireplace, wood deck, front & rear slab porches w/roofs and a gazebo. Outbuildings include 30' x 24' detached garage, 20' x 20' tool shed, 20' x 20' farm utility building with a 20' x 7' lean to. This property has well, septic, gas and fronts 56th Avenue. Reno County 2015 value - \$181,300. 2014 taxes - \$3,125.06 & special (solid waste - single family) \$70.

Tract - ARK RIDGE, Lot 1, ACRES 16.0, SECTION 22 TOWNSHIP 22 RANGE 05W.

2nd parcel 12+ acres unimproved abuts north edge of prior property and fronts Old K61 Hwy. Reno County 2015 value - \$19,610. 2014 taxes - \$372.24.

Tract - ARK RIDGE, BLOCK A, Lot 3, ACRES 12.0, SECTION 22 TOWNSHIP 22 RANGE 05W.

CAR - PICKUPS - TRAILERS:

2012 Chevrolet Malibu LT sedan 5006 miles; 2008 GMC Z71 Sierra SLE 4x4 extended cab pickup; 1997 RAM 2500 Laramie SLT extended cab pickup V8 Magnum; Doo Little EZ Load 16+4 tilt-bed trailer looks new; tandem axle stock trailer - good floor & condition.

TRACTOR - EQUIPMENT: Kioti HST CK20 HJ diesel tractor w/KL120 Kioti front loader 343.7 hrs; 3-pt Frontier GM1060R finish mower; 4-pt Kubota rototiller 42"; pull type lawn roller; 3-pt post hole digger.

RIDING MOWERS: John Deere D130 riding mower 22hp; John Deere L111 Automatic riding mower 20hp 42" cut.

APPLIANCES: Whirlpool 18 cu ft refrigerator like new; Maytag Centennial washer & dryer purchased 2011; Sharp carousel microwave oven; Haier dorm fridge; (2) Eden Pure Quartz Infrared portable heaters; (2) Comfort Zone Infrared heaters.

ELECTRONICS: Vizio 42" flat screen TV; Vizio & Sansui flat screen TVs; 100's of VHS tapes & DVDs movies & shows; asstd DVD & VHS players.

BARBIES - BOOKS - SHEET MUSIC: Approx. 100 collector Barbie's in their boxes; large bookcase of mostly military & war books; large bookcase of best seller hard backs; over 1000 pcs sheet music & song books.

GUN SAFE - GUNS - GAME CAM: LeFever Arms 12 ga single shot shotgun vented rib; Savage Arms mod.755A 12 ga semi-auto shotgun; Remington 22 single shot 22LR rifle; Ruger LCP pistol; Cannon gun safe w/electronic keypad; Bushnell game camera NIB.

TOOLS: Miller Millermatic 180 auto-set 230v wire welder 1 year old, maybe 2 hrs use; Lincoln AC 225 Linwelder; C-clamps; welding clamps; vise grips; welding cart; Victor gauges/hose/torch; Steele SP-RB 133 compound miter saw; US Industrial 12sp HD drill press 3/4hp 115v; Makita metal chop saw w/table; Clarke 8" bench grinder on stand; AMT 4" belt 6" disk sander; 4" swivel bench vise; Husqvarna 455 Rancher chain saw; efco 132 S chain saw; Jonsered 2054 turbo chain saw; efco gas powered pole pruner; efco DS 2800T gas powered trimmer w/brush blade; Foley-Belsaw saw chain sharpening equipment; Powr-Kraft stacking toolboxes; lots of power & hand tools not listed.

FURNITURE: Large triple dresser w/mirror has 2 matching chests & 2 matching full size beds; full size bed (headboard, mattress, box spring, frame) with matching dresser w/mirror & chest; 48" round oak claw foot table; Story & Clark spinet piano w/bench; modern 3-cushion sofa sleeper; TV stands; lamp tables; numerous book cases; vintage turquoise upholstered chair, ottoman, footstool; dining table w/pull-out extensions; sideboard; china cabinet; Pride lift chair; cedar chest w/combination lock; 3-pc bedroom set.

SADDLES - TACK - HORSE ITEMS: (2) Western style saddles; saddle pads; bits; bridles; leads; reins; whip; large box of horse figurines.

MISCELLANEOUS: Asstd fans; asstd clocks; dog figurines; large group of sun catchers; framed needlepoint artwork; mirror artwork; paintings & prints; floor lamps; table lamps; asstd china & glassware; Jacobus Stainer student violin made in Czechoslovakia; Diamond China set service for 12; (7) 1-oz .999 Western Resources silver bars; (2) 10k gold star pins; old foreign paper money; 2011 medal of honor 1-oz comm. coin; misc costume jewelry; old Maytag gas engine.

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BCI graduate student receives top award at premier beef nutrition conference

Dan Frese, graduate student of the Beef Cattle Institute (BCI) at Kansas State University, was recognized for research conducted on cattle handling techniques at the Plains Nutrition Council (PNC) Spring Conference in San Antonio, Texas, in April.

Frese is first author and lead graduate student on the study titled, "Effects of cattle handling technique on blood chemistry parameters in finishing steers not fed a beta adrenergic agonist," which was awarded the overall top entry in the graduate student poster competition. Frese received \$4,000 from the Dr. Kenneth & Caroline McDonald Eng Foundation as part of the award.

Frese, in addition to four other students who were recognized as runners-up, came from a total of 40 entries hailing from more than a dozen universities across the country. The posters

were evaluated based on scientific merit and novelty, industry relevance of the research, clarity of data presentation, as well as accurate data interpretation and conclusions.

Evaluated by members of the PNC representing academia, allied industry and the consulting community, Frese's poster displayed the results of the study, which was designed to model fatigued cattle syndrome (FCS) and how it is similar to fatigued pig syndrome. According to Frese, this research is significant in that it relates to the mobility problems that have been noted in the cattle industry at slaughter plants in recent years.

"I see this as the beginning of using objective data to emphasize how low-stress cattle handling can affect the beef industry," he said.

Dan Thomson, director of the BCI and Frese's major professor, applauded

Frese's work and accomplishments.

"Dr. Frese has done a great job of solving real questions for the beef industry," Thomson said. "He has been able to connect the dots on an important issue surrounding beta agonists."

Steve Bartle, research director of the BCI and one of

the co-authors of Frese's study, works closely with the graduate students at the BCI to prepare abstracts and poster presentations on their research. He feels this award recognizes the team's work as a whole.

"In the feedlot industry, this is a high-profile conference where academia, con-

sulting nutritionists and allied industry come together," Bartle said. "This award shows our professionalism as researchers and relevance to the industry."

The PNC was established in the 1970s as a forum for feedlot nutritionists to discuss the most recent advances in feedlot nutrition

and research. While the first meetings attracted no more than a dozen working nutritionists, today the PNC is the preeminent feedlot nutrition meeting in the world, annually attracting more than 500 nutritionists from across North America, South America, Africa and Australia.

2-DAY AUCTION

TUESDAY, MAY 19 & WEDNESDAY, MAY 20
9:30 AM EACH DAY

8911 EAST HIGHWAY 24 - MANHATTAN, KANSAS
TRACTORS, MACHINERY, & PARTS

See last week's *Grass & Grain* for complete listing
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Real Estate, Household, Tools & Auto

AUCTION

SATURDAY, MAY 23 — 9:30 AM
4200 S.E. 22nd Street — TECUMSEH, KS

DIRECTIONS: From south edge of the intersection of Croco Road and the Kansas Turnpike turn east off Croco on to 21st Street for .9 miles, right on to SE Shawnee Drive 1 block to 22nd St., then West 1 block to 4200 SE 22nd Street.



Real Estate, Car & UTV sell @ 12:00

REAL ESTATE: A very nice 3 BR, 2 BA home. Large kitchen/dining room and living room w/wood burning fireplace. 2-car attached garage and a partially finished basement. Newer furnace, AC and backup generator. Fenced backyard with large deck.

TERMS: 10% earnest money the day of the auction with the remainder at closing on or before June 23, 2015. Title insurance and escrow fees to be shared equally. The sale is not contingent on financing and all inspections should be conducted prior to the auction at bidder's expense. Murray Auction and Realty is acting as an agent for the seller. All information obtained from sources deemed to be reliable but not guaranteed. Statement made day of auction take precedence over printed material

HOUSEHOLD, TOOLS, AUTO, ETC: Ford Freestyle 2006, mileage approx. 20,000, clean; Polaris Ranger 400 2012, 5 hours of use, steel roll cage, trailer hitch, manual, dump cargo bed, like new; John Deere 117 riding lawn mower, 16.5 horse power 42" deck, very good; Craftsman snow blower 5HP 22" electric start; Golden elec. scooter; Bruno scooter lift, asl 250; Craftsman 5HP air compressor 60 gal; Craftsman mounted bench grinder 1/2HP; portable air tank 10 gal; air compressor 2 HP twin tank elec.; Coleman gas powered power washer 2400 psi; Hobart 110 V mig welder; Miller Thunderbolt ac/DC welder 220v; 14" cut off saw; cutting torch set Harris; Amish made bedroom set... TV stand, dresser w/mirror and headboard; Lebeda queen pillow top w/ box springs and frame; wooden book case w/cabinets, one with glass doors; rear projection 50" TV; dresser w/mirror; 5 upright dresser; tan cloth section sofa w/recliner on one end; Howard Miller grandfather clock, nice; 4 coffee tables w/partial glass top; Whirlpool stainless side by side fridge w/water and ice dispenser; Cuisinart coffee pot 12 cup; GE 4 slice toaster; West Bend 2 lb. bread maker; Oster mixer w/glass bowls w/extra beaters; Cuisinart 4 slice bagel toaster; Whirlpool quiet partner 2 stainless dishwasher; Frigidaire upright freezer; wooden dining room table w/chairs 2 leaves, very nice; 4 wooden swivel bar stools w/back; china cabinet; Sylvania flat screen w/DVD player 22"; lamp pewter base w/stain glass shade; Dale Tiffany table lamp; 2 wheelchairs folding; 2 folding walkers; chainsaw McCulloch, 14 in., gas powered; electric pole saw; stainless steel Cookware, bowls and canister; wooden corner computer desk with keyboard tray, cabinets and shelving; glass top computer desk with keyboard tray; HP desktop computer with Windows 7, keyboard, mouse and flat screen monitor; Sanyo 23 in. TV; ceramic table lamp with lace shade; Fellowes Powershred PS 60 paper shredder; Sanyo DVD/VCR combo; HP 21.5 inch flat screen monitor; Linksys 2.4 GHz 54 Mbps wireless-g broadband router; HP Desk Jet F4480 print/copy/scan; Motorola SBV5220 Surfboard cable modem; HP computer speakers with subwoofer; HP 30 inch flat screen monitor; mint robot vacuum; Pfaltzgraff dinnerware set, 4 serving bowls, 15 dinner plates, 20 bread plates, 9 coffee cups, 9 saucers, salt and pepper shaker, soup pot with lid, cream and sugar, casserole dish, gravy boat, 8 tea glasses; Eddie Bauer serving platter; Mikasa crystal serving dish with United States Navy logo etched; wooden coat tree; Pampered Chef stoneware loaf pan; various kitchen carving knife; 2) 3/8 inch and 1) 1/2 inch electric drills; Black and Decker electric sander; Chicago electric drill bit sharpener; 11 bit index sets; Pneumatic tools: palm sander, DA sander, drill, air chisel, impact wrench, air ratchet 3/8 drive, utility cut off grinder, die grinder; Craftsman 7 drawer base 8 drawer top, 3 drawer add on, all on rolling base; Harbor Freight Appliance Hand Truck; 2 Craftsman 4500 lbs. floor jack; aluminum extension ladder; 5 inch bench vise; Precor Recumbent bike; Pro-Form Cross Walk treadmill dual motion cross trainer

TERMS: Cash or good check w/ID. Statements made day of auction take precedence over printed material. Not responsible for accidents. Lunch served on grounds. (See website for pictures)

AUCTIONEERS NOTES: Mr. Burghart took great pride in his tools and possessions by providing excellent care. This is an extremely neat and clean auction. This will be a large auction so plan on coming out and enjoying the day. We will appreciate your attendance. Everything goes!

SELLER: JACK & TINA BURGHART ESTATE

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Kansas Hay Market Report

Hay trade slow. Demand moderate for dairy alfalfa, light to moderate for grinding alfalfa and alfalfa pellets and grass hay. Rain fell over all but the southeastern third of Kansas and the northwestern counties. The early cutting of alfalfa has stopped with the wet weather. The rain is welcome, but could put pressure on medium to low quality hay prices, the high quality hay is finding good demand. Milk prices are up a little. If you have hay for sale or pasture to rent or need hay or grazing, use the services of the Hay and Pasture Exchange: www.kfb.org/commodities/haypasture/index.html

Southwest Kansas

Dairy and grinding alfalfa steady. Movement slow to moderate. Alfalfa, Horse, large squares 250.00, small squares 280.00. Dairy, 1.00/point RFV, Supreme 185.00-

210.00; Premium 170.00-195.00, some New Crop alfalfa contracted 100.00-110.00 for all cuttings standing in the field, Dry Cow, Old Crop, Good 120.00-140.00. Fair-Good grinding alfalfa, at the edge of the field 100.00-120.00, some New Crop Grinding alfalfa contracted 80.00 for all cuttings standing in the field. Ground and delivered locally to feedlots and dairies, Old Crop, 130.00-160.00. The week of 4/27-5/1, 8,271T of grinding alfalfa and 1,525T of dairy alfalfa were delivered. Straw, Good, large bales 60.00-75.00, mostly 70.00 or 80.00-95.00 delivered. Corn stalks 50.00-60.00, ground and delivered 78.00-100.00. CRP, Good, large rounds 70.00, Fair 55.00-65.00. Cane or BMR Sudan, Good large bales 65.00-75.00.

South Central Kansas

Dairy and grinding alfalfa and alfalfa pellets steady. Movement slow to moderate. Alfalfa: Horse, large squares 245.00-270.00, small squares 280.00. Dairy, 1.00/point RFV, Supreme 185.00-210.00, an instance New Crop 200.00; Premium 170.00-195.00; Dry Cow, Good 120.00-130.00; Fair-Good grinding alfalfa at the edge of the field 95.00-110.00; Utility-Fair 80.00-95.00. Ground and delivered locally to feedlots, 130.00-160.00. The week of 4/27-5/1, 4,317T of grinding alfalfa and 725T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 165.00-180.00, 17 pct protein 190.00-200.00; Dehydrated 17 pct 265.00, Meal 271.00. Straw, Good, large bales 60.00-70.00. Cane or BMR Sudan, Good large bales 60.00-70.00, Fair quality 50.00-55.00.

Southeast Kansas

Alfalfa, brome and prairie hay steady. Movement slow. Alfalfa: Horse or Goat, mid squares 250.00; Dairy and Stock Cow 1.00 to 1.07, an instance 1.10/point RFV. Bluestem: Good, small squares, 120.00-145.00, mid and large squares 80.00-110.00, mostly 80.00-90.00, instance 70.00, large rounds 55.00-65.00, Fair 50.00-55.00; Brome: Good, Small squares 130.00-145.00, mid and large squares 110.00-135.00, large rounds 60.00-75.00. Grass Mulch CWF, large round 45.00-60.00.

Northwest Kansas

Grinding alfalfa steady. Movement slow to moderate. Alfalfa: Horse, Mid squares 250.00; Stock cow, Fair-Good, 1.00/point RFV. Fair, Grinding alfalfa at the edge of the field 90.00-100.00. Ground and delivered to feedlots and dairies 115.00-150.00. BMR Sudan and Millet, Good 80.00-95.00.

North Central-Northeast Kansas

Dairy and grinding alfalfa, prairie hay and brome steady. Movement slow. Alfalfa: Horse, 300.00, some 8.00-9.00/small square bale; Dairy, Supreme 185.00-220.00, an instance New Crop 1.10/point RFV; Premium, 170.00-195.00; Stock Cow, Fair-Good, 1.00/point RFV, Utility-Fair grinding alfalfa at the edge of the field, 85.00-95.00; Ground and delivered 130.00-145.00. Grass hay: Bluestem Good, small squares, 5.00-6.00/bale, 120.00-135.00, Mid squares 80.00-100.00, large rounds 45.00-70.00, mostly 50.00-60.00. Brome: Good, small squares, 6.00-7.00/bale, 130.00-145.00/T, Mid squares, 100.00-120.00, Good, large round, 25.00-50.00/bale, 60.00-80.00/T; CWF Grass mulch, large round 60.00-65.00. Straw, Good, small squares 4.00/bale or 4.50-5.00 delivered/bale; large bales 60.00-70.00/T. Sudan, Good large round 70.00-75.00, Fair 60.00-65.00.

***Prices are dollars per ton and FOB unless otherwise noted. Dairy alfalfa prices are for mid and large squares unless otherwise noted. Horse hay is in small squares unless otherwise noted. Prices are from the most recent sales. *CWF Certified Weed Free *RFV calculated using the Wis/Minn formula. **TDN calculated using the Western formula. Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter (TDN showing both 100% & 90%). Guidelines are to be used with visual appearance and intent of sale (usage). Source: Kansas Dept of Ag-USDA Market News Service, Dodge City, KS Steve Hessman, Rich Hruska, OIC (620) 227-8881 www.ams.usda.gov/mnreports/DC_GR310.txt

The Kansas Hay Market Report is provided by the Kansas Department of Agriculture with technical oversight from the USDA Agricultural Marketing Service.

AUCTION

SATURDAY, MAY 16 — 9:00 AM

Offering for sale at Public Auction, located at 200 South Ridge Road, Hesston, KS from I-135, take the Hesston exit West to Ridge Road, go South to Factory & follow signs.

LAWN EQUIPMENT & VEHICLES

36" Hustler Fastrak mower; 42" Hustler Raptor mower; 60" Hustler X1 mower; 42" Hustler Fastrak mower; 60" Hustler Raptor SD mower; 2 - 48" Hustler Raptor SD mowers; 54" Hustler Fastrak mower; 60" Big Dog MP mower; 72" Hustler Super Z mower; 60" Big Dog X mower; 2 - 52" Hustler Raptor mowers; 54" Hustler Raptor SD mower; 2 - 60" Big Dog Diablo mowers; 2 - 60" Hustler Super Z mowers; 2 - 60" Big Dog Stout mowers; 2 - 54" Big Dog Stout mowers; 60" Hustler X1 mower; 2006 Dodge Ram SLT pickup; 2003 Chev. Silverado LS pickup; 2008 TLC 16' flatbed utility trailer; 2001 Chev. Venture mini van.

MOWER RELATED ITEMS & MISC.

Replacement decks; engines; cylinders; air filters; mulch kits; radiators; rims; gear boxes; grass catchers; batteries; oil reservoirs; mower blades; hydraulic hoses; fuel tanks; tires; assorted kits; springs; light fixtures; file cabinets; steel tubing; scrap metal; office desks; work benches; hardware; office dividers; bar stock & tubing; book shelves; & more.

TERMS: Cash day of sale. Sales Tax will be included on all purchases. Statements made day of sale take precedence over advertised statements. All equipment is being sold in its current condition with no warranties. Any implied warranty of merchantability or fitness for a particular purpose is hereby disclaimed.

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New Leopold Conservation Award® Program seeks Kansas nominees

Sand County Foundation, in partnership with the Kansas Association of Conservation Districts and the Ranchland Trust of Kansas, proudly announces the launch of the Leopold Conservation Award® Program in Kansas, and is accepting applications for the award.

The award, given in honor of renowned conservationist Aldo Leopold, recognizes and celebrates extraordinary achievement in voluntary conservation on agricultural lands.

In 2015 the \$10,000 award

will be presented for the first time to a Kansas farmer, rancher or other private landowner who exemplifies voluntary, responsible stewardship and management of natural resources.

"KACD is pleased to participate in bringing the Leopold Conservation Award Program to Kansas because it provides a valuable opportunity to recognize the outstanding accomplishments of our agricultural landowners committed to strong conservation practices and effective stewardship," said Jim Krueger, executive director

of the Kansas Association of Conservation Districts.

The award program provides a visible forum where farmers, ranchers, and other private landowners are recognized as leaders committed to a land ethic. In his influential 1949 book, *A Sand County Almanac*, Aldo Leopold emphasized the need for an ethical relationship between people and the land they own and manage, calling it "an evolutionary possibility and ecological necessity."

"RTK is proud to be a partner in the first Leopold Conservation Award in Kansas," said Bill Eastman,

Chair of the Board at Ranchland Trust of Kansas. "This is a great state and this award is a natural extension of the conservation ethic that for generations has guided our agricultural community. We extend our thanks and gratitude to Sand County Foundation for their national leadership in conservation efforts and for allowing us to be a part of this inaugural event."

The Leopold Conservation Award Program in Kansas is made possible thanks to the generous support of Clean Line Energy Partners, Ducks Unlimited, International Transmission Company, NextEra Energy Resources, Westar Energy, Kansas Department of Wildlife, Parks and Tourism, DuPont Pioneer, The Mosaic Company and The Lynde and Harry Bradley Foundation.

The award will be presented on November 23, 2015 at the KACD Annual Convention in Wichita.

Applications for the award must be postmarked by May 29, 2015 and mailed to KACD c/o Jim Krueger, 1008 2500 Avenue, Abilene KS 67410.

For application information, please visit www.leopoldconservationaward.org.

2-DAY AUCTION

SUNDAY, MAY 17 & SUNDAY, MAY 31, 2015

11:00 AM EACH DAY

117 HARVARD PLACE — MANHATTAN, KANSAS

SELLING SUNDAY, MAY 17:

Solid marble conference dining table double pedestal with 10 Walnut arm chairs (outstanding); Modern Oak Player Piano (nice) & rolls; Beautiful burl Walnut executive desk & matching credenza; leather office chair; Frigidaire side-by-side stainless refrigerator, one year old with water dispenser, 26 cu.ft.; Kenmore Elite side-by-side refrigerator with water dispenser; 2 Maple single pedestal tables; Oak hutch; 8 ladder back chairs; Samsung 64" flat screen TV (less than one yr. old); carved tile top free standing bar; 5'X5' marble top coffee/center table; Amana 25.8 cu. Ft. side-by-side refrigerator/freezer; Whirlpool upright deep freezer; plaid sofa & 2 matching chairs; Inlaid tilt top game table; loveseat; credenza; Phillips big screen TV; Amite New York pool table & equipment; sofa & loveseat (wicker ends); 2 wicker arm chairs; 6-door cabinet; heavily carved credenza; hutch; glass top table & 4 caned chairs; iron fern stands; leather office chair; round Oriental fish bowl glass top table; inlaid hall table; 4 Oak carved tables; Golden Oak round dining table with leaf; tea cart; 2 Oak pattern back bar stools; elephant stand table; wooden rocker; 2 arm chairs; sewing machine; 10 Maple bar stools; round & square end tables; glass & brass coffee table; 3 desks; stereo & tables; 2 Oak cabinet bases; 2 camel saddles; round wood & glass stand; computer desk; 2008 Panasonic microwave; metal shelving; clothes rack; brass hall tree.

ARTWORK: Floral & bird by Badiominami on gold canvas; Barbara Burnett water colors; Wood of Kansas picture; framed silk scenes; Sakamoto oil painting.

Sunbeam wine refrigerator; wine rack; area carpets & rugs; Tech 2000 keyboard; lots stereo equipment; Italian chess set; paintings; Cape de Monte; Oriental artwork; marble artwork; Arabic tea server; Mother-of-Pearl tray & plaques; bronze nude statue; Camel lamp; copper pots; water fountain; stoneware pots; lamps; brass coffee service; Alabaster items; Arabic trays; brass mortar & pestles; large copper coffee pot; macramé hangings; ornate vases & décor; tureen; crystal candleholders & bowls; punch bowl; clear to red stemware; silverware; de-

canters; urns; planters; elephant lamp; huge selection of stemware; steins; gold trays; wood animals; Arabic tea sets; quality pots/pans; glassware; crystal galore; kitchen appliance; Corningware; cups & saucers; sets of glasses; napkin rings; candles; Lladro figurines; printer, scanner; fax; computer software; cookbooks; Time Life books; what-not decorator items; Christmas decorations; crockpots; canisters; pasta carafes; cutlery; hundreds of dishes; carvings; Jim Shore pieces; placemats; canes; fireplace equipment; table & floor lamps; decorator horns; chafing dish; picture frames; baskets.

SELLING SUNDAY, MAY 31

COMMERCIAL RESTAURANT EQUIPMENT: Hobart 1712 meat slicer; Esquire rotisserie-large (multi racks); commercial oven; commercial meat slicer; hotdog cooker; fry cutter; stainless Restaurant equipment; 7 wire Baker's racks.

FURNITURE: Queen bed with chest & double mirror; chest deep freeze; 2 couches & end table; King bed (complete); upright deep freeze; Armoire; sleeper sofa; King size bed; 2 desk; gun cabinet; Queen bed, chest & dresser with mirror; armoire chest; bookcase; massage table; trundle bed; computer desk; 2 barrel back chairs; TV stand; end tables; night stand; full bed; table & 2 chairs; Oak rocker; dresser; shelf unit; chairs; towel racks; glass top coffee table; exercise equipment (room full); wrought iron patio furniture; wicker swing; multi-bulb floor lamp; office chair; tables; 2 glass top tables; bar stool; end tables; step table; French Provincial mirror; 2 smaller cabinets; console sewing machine; hamper; speakers; doctor's scale; fans-on-stands; invalid equipment; Christmas decorations; lamps; Arabic picture; G Bruginol artwork; gardening equipment; Naismith seed bird; lots of silverplate; kerosene lamps; shoe buffer; luggage; VCR; DVD; lots miscellaneous.

Mobility Electric wheelchair; trailer hitch carrier for wheel chair; bedding; 75th Anniversary Craftsman radial arm saw; snow blower for lawn tractor; power tools; toolboxes; garage items; fluorescent lamps; good shelving; Craftsman chest-on-chest toolbox; variety of tools; gas cans

NOTE: Many good quality items, many duplicate items. Don't miss this Auction!

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FARM AUCTION

SATURDAY, MAY 30 — 10:00 AM

7102 N. Ridge Road — VALLEY CENTER, KS

A 10% B/P will be charged on all items.

Auctioneer's NOTE: A very large auction of farm-related equipment and large assortment of hand tools. This auction will be run in 2 auction rings most the day.

DESCRIPTION OF ITEMS: 7050 Allis; Steiger Bearcat St 220 Cummins engine; 915 IHC combine, 24' header; 403 IHC combine, 17' header; 30' IHC cultivator; 7/18 IHC On Land Plow, 3 pt.; grain cart; 53' 8" auger; 78 GMC Brigadier 25' winch; 1,000 bu. grain bin; 30' flatbed trailer; 50' box car; Joy Commercial air compressor; hydraulic wood splitter; and MUCH MORE!

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REAL ESTATE & PERSONAL PROPERTY AUCTION

SATURDAY, MAY 16 — 10:30 AM

405 E. Main Street — DWIGHT, KS

REAL ESTATE: SELLS AT 12:00

DESCRIPTION: Large 2 story house in a quiet small town with 4 bedrooms and a full bath on each level. Open dining room living room area with all original yellow pine woodwork thru out the entire house. Large back porch and utility room. Maintenance free exterior, CHCA, 2 car detached garage and other storage buildings. Located on a large corner lot. 1545 sq. ft.

FURNITURE & APPLIANCES: oak dining table & 6 chairs; small oak veneer glass front cabinet; oak veneer 3 drawer chest, top is covered; dining table & 6 chairs; microwave stand; china hutch buffet; walnut veneer buffet; computer desk; Lazy Boy reclining sofa, beige, very nice; walnut bdr set, full size bed, dresser & mirror; walnut console piano; end table; coffee table; metal kitchen pantry; poker table; small Whirlpool refrigerator; Whirlpool upright freezer, 15.9 cu ft.

COLLECTIBLES & HOUSEHOLD: vintage Emerson Jr fan; wash tub; miners pick; Ford tray & ice buckets; vintage Vogue Stich electric portable

sewing machine; Eastern Star items; vintage cameras; small paper cutter; Shriner decanters & items; various figurines; Universal meat grinder; Frankoma pcs.; enamelware; canning roasters; electric ice cream freezer; woodcuts; small green Watts bowl; various glassware; nice selection of kitchen items.

TOOLS & MISC.: Lawn Chief push mower; B&D circular saw; palm sander; various hand tools; hose & reel; 6 ft. step ladder; 12 X 12 canopy; work bench; terra cotta planters; 8 ft. windmill; pole saw; porch swing.

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Hard Red Winter Wheat Tour releases final projection

By Jordan Hildebrand

The 2015 Hard Red Winter Wheat Tour was full of surprises for participants and led to a sliver of hope for producers statewide. On day three, the participants stopped at 70 fields, an increase from last year's day three total of 45 fields. The daily average was 48.9 bushels an acre, more than an 11-bushel increase from last year.

The official tour projection for total production numbers of hard red winter wheat to be harvested in Kansas is 288.5 million bushels. This number is calculated based on the average of estimated predictions from tour participants

who gathered information from 659 fields across the state.

"After these three days on the road, I think that number is pretty accurate," said Daryl Strouts, president of the Kansas Wheat Alliance. "My official projection was not far off. I was hoping that the number would be a little bigger, but I think there is some potential in this crop."

While he remained coy about his predicted number, Strouts emphasized that this year is looking more promising than last year's crop in the majority of the state.

"The main takeaway for producers is that the crop is

better than last year," Strouts said. "Now we have moisture, so it's important to protect that yield. The numbers from today confirm that there is yield potential, so if producers haven't taken measures to protect that, they should start considering it soon."

One of the most common factors from all of the six routes was the presence of stripe rust. The disease was found in many fields across the state.

"The stripe rust found was concerning to us," said Aaron Harries. "There were signs of it present in nearly every field we visited, especially in the central corridors of the state. In some

fields the disease had even spread to the flag leaf, which can lead to yield loss."

Other issues found statewide throughout the tour were drought stress (despite the rain and sludge during the tour), wheat streak mosaic virus, barley yellow dwarf virus, winter kill and pest infestations such as aphids. Even with these issues, the 288.5 million bushel projection is a relief for many in the wheat industry. This is an improvement from last year's Wheat Tour prediction of 260 million bushels and actual production of 246.4 million bushels. The 2014 wheat crop suffered from

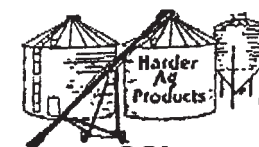
severe drought stress due to lack of moisture throughout the growth stages and an overabundance of it during harvesting time. Many attribute recent rains to be worth millions of dollars for this year's crop.

"What is different about this year is this last-minute moisture," Harries said. "It will be an asset to the wheat during grain fill."

The sudden influx of moisture and extreme weather was exciting for scouts on the tour. After witnessing flooding in Manhattan on Monday, wading through ankle-deep mud and seeing a tornado on Tuesday (possibly a first for the Wheat Tour), partici-

pants are quietly optimistic that the wild weather may ultimately make a difference for the wheat they evaluated along the tour.

The Hard Red Winter Wheat tour is sponsored by the Wheat Quality Council. This year's tour hosted 92 participants from across the globe in 21 vehicles while traveling across the state on six routes. For more information about what participants saw statewide, check out #wheatour15 on Twitter, Facebook and Instagram.



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New plan would end Kansas green energy mandate for utilities

(AP) - Kansas would no longer require utilities to generate a portion of their electricity from wind or other renewable resources but the state also would not impose a new tax on the power under a proposal Republican Gov. Sam Brownback announced last Monday.

The proposal embodies an agreement between the wind energy industry and critics of the green energy mandate. The deal is designed to end a debate over a 2009 law requiring renewable resources to account for 2020 for 20 percent of each privately owned utility's capacity to generate electricity.

The mandate would become a non-binding goal. But legislators would drop a proposal to impose a 4.33 percent tax on the electricity generated from renewable resources, and they would rewrite laws dealing with property taxes on renewable energy projects.

The House Energy and Environment Committee approved the proposal shortly after Brownback unveiled it, sending the measure to the full chamber for debate.

Wind energy companies and environmentalists - who aren't part of the agreement - have thwarted a repeal of the renewable ener-

gy mandate. Critics of the mandate include the Kansas Chamber of Commerce; Americans for Prosperity, the free-market group backed by billionaire political donors Charles and David Koch; and their company, Koch Industries Inc., which has energy interests.

"You've had a lot of frothing about the policy issue, and now you've got major players on both sides of this saying, 'Okay, this gets us to a stable policy atmosphere,'" Brownback said during a Statehouse news conference.

Brownback said during his re-election campaign last year that he was open to phasing out the renewable energy rule if the parties could reach a compromise.

The American Wind Energy Association said 29 states, including Kansas, have renewable energy requirements, and six are considering raising their standards. Eight states have renewable energy goals.

Supporters of the Kansas mandate said it has helped develop a robust wind energy industry in the state and more than 12,000 jobs. Utilities are expected to meet it next year.

"This gives us long-term certainty, and that's the most important thing," said Jeff Clark, executive director of The Wind Coalition.

Critics of the mandate have said such mandates lead to significantly higher electric rates - something environmentalists strongly dispute.

"This is about achieving a free-market energy policy in the state of Kansas," said Jeff Glendening, AFP's state director.

Environmentalists criticized the proposal. Zack Pistora, a Kansas Sierra Club lobbyist, said there's broad public support for keeping the renewable energy mandate.

"Other states, our neighboring states, are hitting the gas pedal, and we're pressing the brakes," he said.

Renewable energy projects are exempt from property taxes, but lawmakers were considering proposals to impose a ten-year limit on exemptions as they

looked to close a budget shortfall. The agreement imposes that limit on new projects, but promises they would face the same rates for commercial property, which are lower than for utility property.

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AUCTION
SATURDAY, MAY 23, 2015 - 10:00 AM
Pottorf Hall, Cico Park (Avery and Kimball) - MANHATTAN, KANSAS
2005 Chevrolet Impala only 70,000 miles, white, gray interior, dual temperature, AM/FM/CD, VERY Clean well-kept car.
Antique pie safe/cabinet; GE upright deep freezer; desk with shelf; near new recliner; 2 Oak chairs; small antique trunk; 4 Bentwood chairs; antique plank bottom rocker; 2 nice cedar chests; cedar night stand; Library table; round end table; small Maple gateleg table; rocker; 4 Oak steps from old Randolph High School; stand up tube type radio; office chair; chest; wood shelf; 1950's child's rocker; 2 foot stools; school desk; single door cabinet; shelves; humidifier; end table; lawn & folding chairs; child's rocker; card tables; animal figurines; iron shop bench; folding table; 2 portable sewing machines. Collection of John Deere memorabilia, scale model tractors, lunch boxes, hats, signs, mugs, lots more-a fun collection; Resistol Western hats; planters; tins; flower pots; bats/balls; Little Debbie doll house (new to be assembled); advertising pens & pencils; flag; vases; Holiday decorations; juicer; baking dishes; food grinder; tin cake carrier; Centennial plates; Polaroid camera; cigar boxes; 8-track tapes; 4' Christmas tree; 10-12 years of Green (John Deere) magazines; books; lots magazines, Life etc; 1960's catalogs; Yard art chicken plant holders; sundial; child's snow sled; large set of bull horns; iron scale weights; Coleman cooler & lantern; saw horses; tires; kerosene heating stove; antlers; buckets; gas can; hardware; lawn supplies; hub caps; tools; lawn sprinklers & sprayers; solar owl light; yard art; old reflectors & smudge pots; dart board; lots & lots MORE.
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COWS			
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White City, 1 blk	1140@111.50	Durham, 1 red	1765@103.00
Wilsey, 1 red	1245@110.00	Marion, 1 red	1440@103.00
Wilsey, 1 bwf	1115@110.00	Lincolntonville, 1 blk	1060@102.50
White City, 1 blk	1300@110.00	Durham, 1 red	1465@102.50
Durham, 1 blk	1290@108.00	White City, 1 blk	1075@102.50
Council Grove, 1 rwf	1390@107.50	White City, 1 red	1230@102.00
Lincolntonville, 1 blk	1245@107.50	White City, 1 blk	1490@102.00
Durham, 1 rwf	1400@107.50	Durham, 1 red	1325@102.00
Marion, 1 blk	1345@107.50	Durham, 1 rwf	1190@102.00
Durham, 1 red	1310@107.00	Herington, 1 blk	1115@101.50
White City, 1 blk	1115@107.00	Marion, 1 blk	1275@101.50
Lincolntonville, 1 blk	1225@106.50	Durham, 1 red	1420@101.50
Herington, 1 grey	1220@106.50	Council Grove, 1 rwf	1355@101.00
Marion, 1 blk	1360@106.50	Durham, 1 rwf	1660@101.00
Council Grove, 1 rwf	1430@106.00	Marion, 1 red	1440@101.00
Tampa, 1 blk	1420@106.00	Tampa, 1 red	1205@101.00
Lincolntonville, 1 bmf	1340@105.50	Tampa, 1 red	1290@101.00
Herington, 1 blk	1320@105.50	White City, 1 blk	1575@100.50
Lincolntonville, 1 blk	1290@105.00	White City, 1 rwf	1390@100.50
Abilene, 1 red	1530@105.00	Durham, 1 rwf	1425@100.50
Marion, 1 blk	1390@105.00	Durham, 1 rwf	1350@100.50
Herington, 1 blk	1400@104.50	Tampa, 1 blk	1225@100.50
White City, 1 blk	1145@104.00	Durham, 1 bwf	1335@100.50
Marion, 1 red	1295@104.00	Lawrence, 1 bwf	1670@100.50
Herington, 1 bwf	1285@103.50	STEERS	
Durham, 1 red	1660@103.00	Tampa, 1 blk	260@340.00
		Elmdale, 2 blk	310@308.00

HEIFERS			
Lincolntonville, 2 mix	383@286.00	Tampa, 1 blk	350@301.00
Tampa, 8 mix	436@268.00	Tampa, 3 blk	397@300.00
Ramona, 3 blk	452@257.00	Wilsey, 3 blk	418@295.00
Lincolntonville, 6 mix	493@239.50	Elmdale, 7 blk	426@295.00
Ramona, 3 blk	533@234.00	Ramona, 4 blk	356@289.00
Herington, 12 blk	704@206.50	Elmdale, 10 blk	516@271.00
Herington, 4 mix	835@193.00	Ramona, 5 blk	529@264.00
Florence, 10 mix	789@191.50	Wilsey, 8 blk	556@250.00
BULLS			
White City, 6 blk	942@173.00	Lincolntonville, 9 rwf	572@248.00
Tampa, 1 white	1955@150.50	Elmdale, 9 blk	655@242.00
Lincolntonville, 1 blk	1075@147.50	Lost Springs, 6 mix	666@235.50
		Burdick, 5 blk	757@216.50
		Belleaire, 59 mix	874@205.00

EARLY CONSIGNMENTS FOR MAY 13:
• 12 mix steers and heifers, 500-600 lbs. • 18 mix steers and heifers, 500-700 lbs.
• 35 red/rwf steers and heifers, 550-700 lbs., weaned & shots, home raised • 57 mostly black steers, 850-875 lbs.
• 14 mix steers and heifers, 550-650 lbs. • 120 mix steers, 850-875 lbs.
MORE CATTLE BY SALE TIME!

Sheep & Goat Sale May 28th • 6:30 PM
Herington Livestock Cafe Now Open: Wednesdays from 6:30 AM 'till 7:00 PM
Don't forget the video as an option to market your cattle. View our live auctions at lmauctions.com
Our Consignments can now be viewed after 12 Noon on Mondays by going to www.grassandgrain.com & logging onto the online Subscription.
****Now Accepting Registration for Internet Bidding at LMAUCTIONS.COM****
KFRM AM 550, Every Wed., 8:00 a.m.
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Gary Suderman - 913-837-6785 • Rick Parkerson - 620-767-2738
Bob Kickhaefer, Cell - 785-258-4188 • Dave Bures - 402-766-3743

Bennington PRCA Rodeo to be held May 28-30

Professional rodeo, musical entertainment, great barbecue and award-winning specialty acts all come together at the 40th anniversary of the Bennington PRCA Rodeo May 28, 29 & 30. The barbecue 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 head-

quartered in Nashville. He has performed with Jake Owen, Easton Corbin, Chris Cagle and Jason Aldean. Jake and the band will kick off each evening's activities at 6:30 p.m.

There will be special performances each night by the All American Cowgirl Chicks, a beautiful and daring cowgirl equestrian drill team. They are world renowned and respected all over the country for their patriotic service, horsemanship, leadership and professionalism in the sport of rodeo. Announcer Troy Goodridge will be joined this year by legendary rodeo

cowboy and announcer Don (Donnie) Gay. Gay is an eight time PRCA World Champion bullrider and former announcer of the weekly televised PBR series. Gay now does color commentary for PRCA events on Fox Sports, CBS Sports & ESPN.

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 the Professional Rodeo Cowboys Association and Women's Professional Rodeo Association entered the rodeo. The rodeo paid out over \$40,000 plus awards to these contestants.

Downtown activities will get under way Saturday morning, from 9 a.m.-2 p.m., which includes bounce house, kids pedal tractor pull, turtle race, cake walk, Pull Against Cancer and vendor booths. Fun Day will end with a street dance, sponsored by the Dog House, after the rodeo until 1:00 a.m. for ages 18 and up. Music will be by Jake Gill.

For more information on event times please call 785-488-3344.

The annual rodeo parade will be held Saturday, May 30 at 4:30 p.m. All entries are welcome and will be judged in three categories: adult, children and horse, with trophies awarded in each category. Participants for the parade will line up at the Bennington Bible Church between 3:30 and 4:00 p.m. Please pre-register for the parade and Pull Against Cancer by picking up registration forms at the Bennington City Office or can be sent to you via email by contacting Yvonne Geering at ygeering70@gmail.com.

Advance tickets are available to the rodeo in Minneapolis at Farmway Co-op and The Bennington State Bank for \$10.00 for adults and \$2.00 for children. In Bennington tickets can be purchased from the Bennington State Bank, any Bennington Lions Club member, Westside Ventures and the Kitchen Cafe. The barbecue 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.

Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

Selling Hogs & Cattle every Monday

THIS WEEKEND!! SPRING SPECTACULAR HORSE SALE

MAY 16, 2015

Ranch horse competition - Friday May 15, 6 p.m.

Rope Horse Preview - Friday May 15 12 noon

Saturday May 16 7-9:30 a.m.

Sale Starts at 10 am

RECEIPTS FOR THE WEEK TOTALED 5,017 CATTLE AND 44 HOGS.

STEERS		COW PAIRS	
300-400	\$305.00-\$322.50	10 blk	Ellinwood \$2,500.00
400-500	\$300.00-\$327.00	23 blk	Leoti \$2,500.00
500-600	\$250.00-\$268.00	21 blk	Clafin \$2,500.00
600-700	\$245.00-\$266.00	10 blk	Hays \$2,410.00
700-800	\$200.00-\$215.00		
800-900	\$198.00-\$211.75	2 blk	Hillsboro \$3,500.00
900-1000	\$180.00-\$204.75	2 blk	Sylvan Grove \$3,450.00
		2 blk	Hillsboro \$3,400.00
HEIFERS		2 blk	Abilene \$3,350.00
300-400	\$300.00-\$315.00	9 blk	Clafin \$3,300.00
400-500	\$260.00-\$276.00	3 bwf	Delphos \$3,250.00
500-600	\$220.00-\$237.00		
600-700	\$208.00-\$223.00		
700-800	\$188.00-\$210.00	3 bwf	Lehigh 277@380.00
800-900	\$175.00-\$200.00	4 mix	Lincoln 288@265.00
900-1000	No Test	3 bwf	Lehigh 403@327.00
REGULAR SALE			
STEERS			
10 blk	Hays \$3,600.00	1 blk	Longford 335@322.50
10 blk	Tescott \$3,600.00	3 mix	Lincoln 378@317.50
9 red	Gypsum \$3,575.00	2 blk	Culver 418@291.00
7 blk	Hays \$3,500.00	24 blk	Tescott 429@289.00
11 blk	Lindsborg \$3,450.00	4 blk	Salina 418@285.00
12 blk	Bennington \$3,350.00	12 blk	Tescott 460@272.00
10 bwf	Bennington \$3,350.00	2 blk	Falun 543@268.00
11 blk	Bennington \$3,350.00	13 rwf	Lyons 556@266.00
12 blk	Lincoln \$3,350.00	7 blk	Inman 624@266.00
		21 blk	Ellsworth 557@264.00
		2 mix	Miltonvale 603@259.00
		4 blk	Geneseo 600@250.00
		14 blk	Inman 649@249.00
		12 blk	Ellsworth 641@245.00
		19 blk	Hope 752@215.00
		28 mix	Enterprise 831@211.75
		24 red	Salina 844@211.00
		57 blk	Carlton 826@211.00
		23 mix	Newton 804@210.00
		120 mix	Hope 852@210.00
		60 blk	Newton 867@208.75
		19 blk	Hope 832@208.00
		58 mix	Hope 832@207.00
		64 mix	Hope 922@204.75
		53 mix	Hope 965@204.75
		22 red	Salina 913@202.50

FALL BRED HEIFERS

21 red	Salina	\$2,625.00
10 blk	Wilsey	\$2,525.00
15 red	Salina	\$2,525.00
3 blk	Tescott	\$2,500.00
6 blk	Abilene	\$2,500.00
6 blk	Ellsworth	\$2,400.00

FALL BRED COWS

5 red	Haven	\$2,875.00
18 red	Haven	\$2,810.00
17 red	Leoti	\$2,650.00
4 red	Oak Hill	\$2,650.00
3 red	Haven	\$2,625.00
10 red	Haven	\$2,625.00
35 blk	Leoti	\$2,575.00
19 blk	Leoti	\$2,550.00
15 blk	Leoti	\$2,525.00

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

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

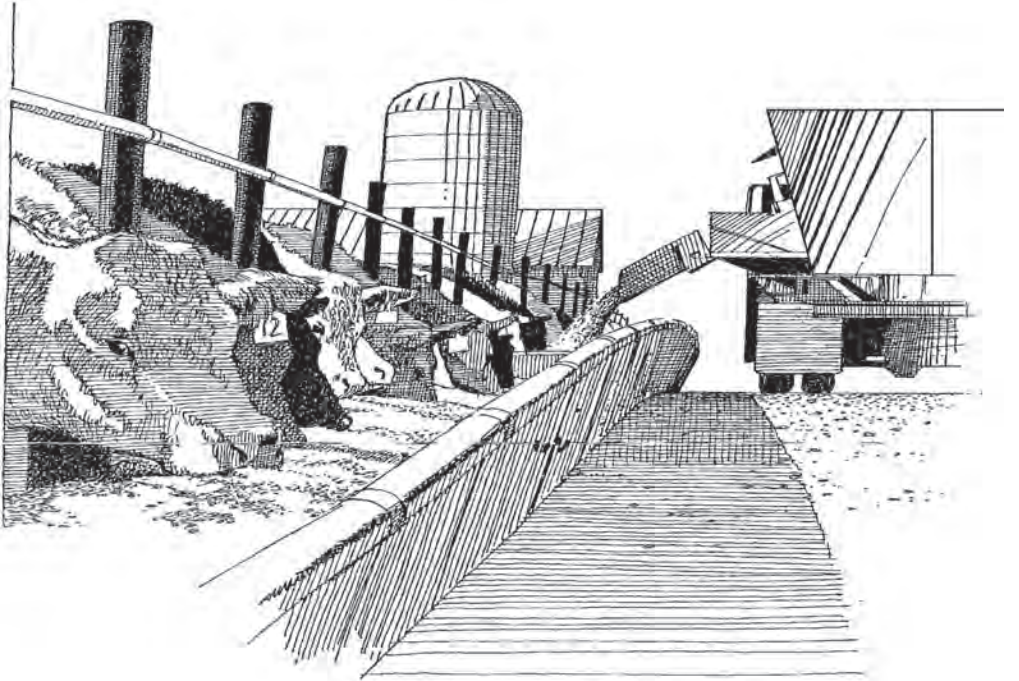
THURSDAY — CATTLE ONLY

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

— AUCTIONEERS —

KYLE ELWOOD, GARREN WALROD & RUSTY TAYLOR

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



HEIFERS		CALVES	
1 rwf	Lyons 360@315.00	1 blk	Plevna 245@1,075.00
7 blk	Salina 366@295.00	6 blk	Alden 288@1,075.00
2 blk	Culver 368@293.00	1 bwf	Gypsum 240@1,025.00
3 rwf	Lyons 418@276.00	1 char	Gypsum 235@975.00
3 blk	Lindsborg 378@270.00	1 blk	Gypsum 1845@875.00
3 blk	Abilene 428@256.00	1 blk	Gypsum 210@850.00
9 blk	Brookville 498@240.50	1 blk	Falun 170@825.00
3 blk	Culver 520@237.00	1 red	Gypsum 220@825.00
4 blk	Geneseo 593@233.00	1 blk	Alden 155@825.00
9 blk	Assaria 615@223.00	1 blk	Brookville 165@800.00
4 blk	Canton 613@222.00	1 blk	Falun 160@775.00
10 mix	Miltonvale 632@220.00		
11 blk	Inman 661@216.00	COWS	
9 mix	Wilson 738@210.00	1 blk	Clafin 1200@127.00
40 blk	Gypsum 749@205.50	2 bwf	McPherson 1108@124.00
11 mix	Miltonvale 765@200.00	1 red	Lincoln 1185@124.00
20 mix	Clafin 828@200.00	1 blk	Tescott 1300@123.00
64 blk	Salina 807@199.50	1 blk	New Cambria 1140@122.00
6 mix	Clafin 878@199.00	1 red	Ellsworth 1135@122.00
29 mix	Tampa 817@198.25	1 blk	Geneseo 1115@121.00
		1 red	Gypsum 1270@120.00
		1 bwf	Salina 1315@120.00
BULLS		SOWS	
1 blk	Sterling 1905@150.00	1 wht	Carlton 685@30.00
1 blk	Gypsum 1845@141.00	1 wht	Carlton 550@28.00
1 blk	Brookville 2360@141.00	2 mix	Carlton 633@28.00
1 blk	Kanopolis 1770@140.00		
1 blk	Lincoln 1950@140.00		

IN STOCK TODAY

- Heavy Duty Round Bale Feeders
- 6'8 x 24 GR Gooseneck Stock Trailer

EARLY CONSIGNMENTS FOR THURSDAY, MAY 14TH:

54 mostly blk str, 800-850 lbs.; 90 blk/rwf str, 800-900 lbs.; 24 wf/red Angus-x wf str, 900-1000 lbs., home raised

PLUS MORE BY SALE TIME!

For information or estimates, contact:

Mike Samples, Sale Mgr., Cell Phone 785-826-7884

Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901

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

Jim Crowther
785-254-7385
Roxbury, KS

Lisa Long
620-553-2351
Ellsworth, KS

Cody Schafer
620-381-1050
Durham, KS

Kenny Briscoe
785-658-7386
Lincoln, KS

Kevin Henke
H: 785-729-3473, C: 785-565-3525
Agenda, KS

Austin Rathbun
785-531-0042
Ellsworth, KS

CLASSIFIEDS

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

RATES AND DISCOUNTS

CLASSIFICATIONS

Although complete name, address and phone number need not appear in your ad, we must have this information for our records.

Name: _____ Phone #: _____

Address: _____ City: _____ State: _____ Zip: _____



WRITE YOUR AD HERE

FIGURE YOUR COST HERE:

RATE: 65¢ a word.

Number of words: _____ @ 65¢ each

Cost for one week: _____

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

Run ad _____ consecutive weeks.

Category: _____

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: _____

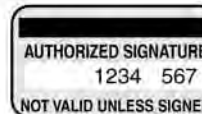
TOTAL: \$ _____

PAY WITH (PLEASE CIRCLE ONE):

CHECK **MASTERCARD** VISA DISCOVER

Card No. _____ Exp. Date _____

V-Code _____ (required) last 3 digits (see sample: 567) located on the back of your credit card on the signature panel.



Signature: _____

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- LIVESTOCK EQUIPMENT
- BUILDINGS-BUILDING MATERIALS
- BINS - DRYERS - VACS
- MOBILE HOMES
- SPRAY EQUIPMENT
- BUSINESS OPPORTUNITIES
- WELDING
- MISCELLANEOUS
- GOAT
- SHEEP
- POULTRY
- TRAILERS
- MACHINERY
- EMPLOYMENT
- ANTIQUES
- PASTURE
- WANTED
- PETS

REMINDERS

- Please notify us of any errors at once. We cannot be responsible beyond the first insertion.
- **NO REFUNDS!**
- **BY PHONE:** Ads not accompanied by payment have \$1.00 billing charge added, and discounts are not available.



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FAX: 785-539-2679 ONLINE: www.grassandgrain.com



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 Bush Hog rotary mowers 5'-15'
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 Vermeer VR1224 rake
 Vermeer VR1428 rake
 Vermeer VR2040 rake
 Vermeer MC3700 mower

USED EQUIPMENT
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 Vermeer 605 Super M
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 Vermeer R23A Rake



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 2013 Bobcat S650 C, H, & A, TS, 580 hrs.....\$43,500
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 2013 Bobcat S530, cab & heat, 225 hrs.....\$36,000
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 2012 Bobcat S205 C & H, 2300 hrs.....\$24,500
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 New JCB 225 skid loader
 New JCB 205 skid loader
 2013 Case IH Steiger 350, 285 hrs
 2011 Case IH Farmall 45 MFD w/ Westendorf TA 170 loader
 2003 Case IH MX255 Magnum, 6400 hrs
 Worksaver 6' hyd. snow blade for skid loader

HAY EQUIPMENT

New Hesston 2956A rd balers
 2007 Hesston 5456A net baler, 2100 bales
 MacDon R-85 rotary
 MacDon M-205 SR rotary
 New H&S 1660 16 wheel Hi Cap rakes

COMBINES


2011 JD 635 draper head
 2010 MacDon FD70 40' flex draper JD mounts
 2002 Case IH 1020, 25' flex head with Cray Air reel
 1994 Case IH 1010 25' head salvage
 2004 Case IH 2366
 1990 Case IH 1083 cornhead
 1999 Gleaner R62, 2100 sep. hrs
 2003 Gleaner R65, 2700 sep. hrs
 2002 New Holland TR99, 2260 sep. hrs

AUGER & GRAIN CARTS

New Harvest International T13x32 truck auger
 New Mayrath 10x35 elect.
 Parker 2500 gravity wagon with auger & roof
 New Parker 839 grain cart

MACHINERY

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 New Rhino 3150 15' Batwing
 New Landoll 7431- 26VT demo
 New Landoll 6230- 29' disk
 Case IH 1200 16RN planter
 New Brown 10' & 12' box scrapers
 New Sunflower 6630/27' vertical till
 2011 Sunflower 1435-40 split wing disc
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 '41 IH FarmAll A w/Woods belly mower

MISCELLANEOUS
 '14 Bushhog 2815 Batwing
 '11 Case IH 3406 corn head
 '08 Case IH 530C Ecolo-Tiger
 '07 Case IH RMX340 25'
 '09 Case IH 330 turbo 25'
 Case IH 4300 FC 33'
 '03 Kinze 3200 12 row 30 planter
 '04 Case IH 2388 4WD, 2715 eng., 2135 sep.
 '91 Case IH 1680 combine 4WD
 '02 Case IH 1020 25'
 '99 Case IH 1020 20'
 '92 Case IH 820 15'
 '97 Case IH 1063 cornhead
 '94 Case IH 1063 cornhead IH 810 platform
 (2) IH 863 cornheads
 '03 Case IH RBX462 rd. baler, twine/ net
 '95 Case IH 8465, A. baler
 '92 NH 660 twine/ net baler
 '92 Case IH 8480 rd.baler
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 '04 JD 1790 16/31\$44,750
 '04 JD 1790 16/31\$44,000
 '99 JD 1780 6/11\$22,950
 '13 '09 DB90 36 row\$128,350
 '13 DB60 36-20"\$159,500
 '12 Kinze 3660 16/31\$109,300
 '09 Kinze 3660 16/31\$64,500
 '05 Kinze 3650 16/31\$42,500
 '05 Kinze 3200 12-30\$23,850
 '03 Kinze 3700 24-30"\$53,350
 '04 Kinze 3000LF\$17,550
 '04 JD 1690 35'-15"\$49,000

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 '08 JD 9770 Hillco\$152,500
 '11 JD 9670\$180,000
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 '05 JD 9660\$98,000
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 '04 JD 9560 SH\$95,500
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 32 corn heads
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Barn consultation workshop held near Alma

The Kansas Barn Alliance, under the direction of Len Schamber, Damar, and Lori Hambricht, Chapman, hosted a barn consultant training workshop April 25th at the Vern Claussen barn near Alma. This workshop supports the growing need of barn owners wanting to save their barn structures. Schamber currently is the main person representing the KBA with their grant project, "Let's Get Started" evaluations. Through an endowment established by Sally Dorr Hatcher in 2012, the annual grant provides 50% of the cost of a structural analysis and repair prioritization list of one barn. Vern and Marilyn Claussen's large stone and wood barn near Alma, is one of the recipients of the grant.



For more information on "Let's Get Started" grants, visit www.kansasbarnalliance.org. In 2014, eight grants were awarded.

Barn consultant workshop participants at the April training near Alma were, from left: Tom & Arlene Kennedy, St. Louis, Mo.; Joel Herndon, Dighton; Jim Wohler, Chapman; Len Schamber, Damar (instructor); Lucas Koch, Cottonwood Falls; barn owner/host Vern Claussen, Alma; Todd Dumler, Plainville; Marilyn Claussen, Alma; Jarrod Willich, Manhattan and Fred Willich, Manhattan. Photo by Lori Hambricht

Bird flu virus raises questions scientists working to answer

(AP) - It's been five months since the H5N2 bird flu virus was discovered in the United States, and producers have lost 21 million birds in central states alone. Yet, researchers acknowledge they still know little about a bird flu virus that's endangered turkey and egg-laying chicken populations that supply much of the nation.

early December, when it was found in a wild bird on the West Coast. This spring, the virus was found in poultry operations in eight Midwestern states, forcing commercial producers to kill and compost millions of turkeys and chickens in Iowa, Minnesota and elsewhere.

ing clothes and boots before entering barns, disinfecting equipment and vehicles before they approach the barns and assigning workers to specific barns.

ported, French said, noting that commercial operations have a financial incentive to immediately report illnesses because the government pays them for each live bird that must be destroyed. Plus, French said, outdoor chickens could have been exposed over time to low pathogenic versions of bird flu and have developed stronger immunity.

Scientists at the U.S. Department of Agriculture, the Centers for Disease Control and Prevention and other federal agencies are puzzled by the H5N2 virus' spread - even amid heightened biosecurity measures - and apparent lack of widespread deaths in largely unprotected backyard flocks.

Scientists speculate that perhaps rodents or small birds, seeking food, tracked the virus into barns. Maybe it's the work of flies, as the bird flu virus has been found on the insects in a Pennsylvania outbreak in 1983 and in Japan in 2004. The USDA's chief veterinarian even floated the idea wind may be blowing dust and feathers carrying the virus from the barnyard into buildings through air vents.

As new operations are infected almost daily, USDA epidemiologists also are trying to determine whether the virus came from a wild bird or could have spread from poultry in another barn or a nearby farm.

One belief held by researchers will soon be tested: whether the virus will die as temperatures warm up and ultraviolet light increases. With recent temperatures in the 70s in many of the affected states and even warmer weather expected soon, infections should decline if that assumption is true.

"At this point, we don't know very much about these viruses because they've only recently been identified," Dr. Alicia Fry, the CDC's leader of the influenza prevention and control team, said. "We're following the situation very closely because this is something we're continuing to understand."

"To me, the main concern is the disease is moving even with heightened biosecurity," said Richard French, a professor of animal health at Becker College in Worcester, Massachusetts. "Ideally we've got to try and figure out the way it's most likely moving and try to put controls in place to stop that."

"We are continuing to evaluate how facilities become positive because we also want to be cognizant of any potential risk of lateral spread from farm to farm," said Dr. T.J. Myers, the USDA associate deputy administrator of veterinary services. "We are doing those evaluations as we speak and we really don't have enough data to report on that yet."

But David Swayne, director of the Southeast Poultry Research Laboratory in Athens, Georgia, acknowledged it's hard to predict what will happen.

The current H5N2 virus surfaced last winter in Canada and was first identified in the United States in

Poultry farms' biosecurity measures include chang-

Another puzzling question has been why there hasn't been a surge in infections of backyard flocks. The USDA has identified 12 cases including five in Washington in January and February, plus others in Idaho, Kansas, Minnesota, Montana, Oregon and Wisconsin.

Scientists expect the virus to return in autumn along with cooler temperatures and wild birds migrating south, but Swayne says the virus could burn itself out and disappear for a while before that.

Willie and the Beanstalk contest winners announced

Kansas youth had the opportunity to put their green thumb skills to the test and attempt to grow the largest potted soybean plant in the state this spring as part of the "Willie and the Beanstalk" contest.

when contest participants bring their soybean plants to the event to be judged. The soybean plants are evaluated using the following criteria: cultural practices documentation, plant height, plant mass, leaf area and leaf greenness. Winners within each criterion and overall winners in each age division - 9-12th grades (Division 1) and K-8th grades (Division 2) - are selected.

Greenest Leaf:
 Division 1: Moundridge FFA 4 Ag Kids (Moundridge FFA)

using project-based learning. "It's a great contest to help students understand all aspects that go into growing a plant," said Nelson.

The annual contest, organized by the Kansas State University Department of Agronomy and sponsored by the Kansas Soybean Commission, encourages teachers and students to learn more about soil and plant science, increase interest in agronomy and brings students to K-State's annual Open House, where they can interact with agronomy students and faculty.

The winners of the 2015 Willie and the Beanstalk competition are as follows:

Division 2: Lucky Planters (Minneapolis Grade School)

Lesson plans that focus on soybeans, plant growth and development and soil science, are available from the Kansas Foundation for Agriculture in the Classroom, an agricultural education non-profit organization, at www.ksagclassroom.org.

Since its inception in 2008, more than 2800 students have taken on the challenge of growing the most impressive soybean plant. Dr. Nathan Nelson, contest coordinator and associate professor of agronomy at K-State, says the contest continues to grow each year. This year, 479 students entered the contest, making up 180 teams.

Best Documentation:
 Division 1: Stilwell Bean Growers 1 (Stilwell Super Bean Growers)

Grand Champion
 Division 1: Stilwell Bean Growers 1 (Stilwell Super Bean Growers) 1. Kimberly Stone
 2. Sarah Weiner
 Adviser: Chris Stone
 Division 2: Live Wires 4-H Club (Moundridge FFA)

The 2016 Willie and the Beanstalk contest information will be released later this Fall. Nelson encourages students to consider the contest early and plan ahead for growing their soybean plants. He challenges them to consider doing their own experiments to evaluate the best growing conditions and factors that will yield the largest soybean plant.

The contest starts on a common seeding day in March and ends at the K-State Open House in April,

Division 2: Live Wires 4-H Club (Moundridge FFA)

Most Biomass:
 Division 1: Olpe Team 1 (Olpe High School)
 Division 2: Black-Eyed Beans (Hanover 5th and 6th grade)

"The contest puts some production goals behind growing plants, which is essential in agronomy and food production," Nelson said. "We've been able to give students a little flavor of that and they've been able to get excited and engaged in the contest."

Tallest Plant:
 Division 1: Bean Machine (Olpe High School)
 Division 2: RJ2 (Tescott Elementary)

Adviser: Shad Marston
 The scope of the contest requires an "all hands on deck" mentality by agronomy faculty, staff and students for it to be a success. Faculty and graduate students score documentation sheets and provide equipment necessary for plant evaluation. Staff assist with website development and promotional efforts. Undergraduate students work with contestants to score the soybeans on the day of the contest.

Largest Leaf:
 Division 1: Bean Machine (Olpe High School)
 Division 2: Live Wires 4-H Club (Moundridge FFA)

Because the contest is so hands-on intensive, it is a perfect fit for classrooms

Yield potential, weather conditions drive stripe rust treatment decisions

Kim Larson, Crop Production Agent, River Valley Extension District

Thanks to our spring weather conditions this year, stripe rust is a commonly found disease on our wheat across the state. The severe infestations are located in southeast Kansas, but some fields in the district have increasing amounts showing up as well. Stripe rust is favored by cool, humid weather and disease development is most rapid between 50 and 60 degrees Fahrenheit. Stripe has the potential to cause losses of 40 percent or more when the disease becomes established on susceptible varieties before heading. The disease does not typically overwinter in Kansas, but is the result of spores blowing up on wind currents from the states to our south. Symptoms of stripe rust include long stripes of small yellow or orange blister-like lesions called "pustules." The disease is most common on leaves but also can affect glumes and awns of some varieties. The blister-like lesions produce massive amounts of spores that are easily dislodged. After walking through a heavily diseased field, you may notice these yellow spores have brushed off on you and cling to your clothing like dust.

Several producers have been inquiring on when to begin applying fungicides. This decision will be field-specific and will be influenced by a number of factors. The yield response of wheat to foliar fungicides is highly variable. This yield response is influenced by many factors, including a variety's genetic resistance to disease, the amount of disease present in a field, yield potential of the crop, and weather conditions. Planting disease-resistant varieties can effectively control stripe rust. However, a recent change in the stripe rust population has reduced the resistance of many popular varieties.

The upper leaves present during the early stages of grain development provide most of the energy the plants use to produce grain. Therefore damage to these leaves can cause some serious yield loss. Fungicides can best protect these critical growth stages from disease when applied between full emergence of the flag leaf and flowering. Fungicide applications made before flag leaf emergence generally result in less disease control on the upper leaves during grain development and smaller yield responses. Yield potential of a wheat crop and weather information available at the time of application can also influence the final decision to apply a fungicide. Fields with a good yield potential, at least 40 bushels per acre, at the time of application and fields intended for seed production should be a high priority. These priorities are further reinforced when weather forecasts indicate conditions are likely to remain favorable for wheat growth and disease development. It is wise to more carefully analyze the use of fungicides (and avoid additional input costs) when drought, freeze injury, viral diseases, or other production problems make a crop's

yield potential uncertain.

A summary of KSU experiments conducted between 1991 and 2011 indicates that a single fungicide application between flag leaf emergence and flowering often results in a yield increase between 4 and 14 percent, with an average yield increase of 10 percent in areas prone to the disease development. These figures can be combined with yield potential of a wheat crop to estimate the potential yield response in bushels per acre. If you do decide to apply a fungicide to your wheat always check and follow product label recommendations to ensure full compliance with growth-stage limitations

and pre-harvest intervals.

In general, products belonging to the triazole and strobilurin classes of fungicide will provide 14 to 21 days of disease control. Others are only curative and simply control what is currently out there with no residual control. A great KSU reference publication when deciding on a fungicide to apply on your field is "Foliar Fungicide Efficacy Ratings for Wheat Disease Management 2015." You can find this publication online or stop by the Extension office to pick it up.

If you have any questions, please feel free to contact me at 785-243-8185 or by emailing kclarson@ksu.edu.



Don and Derek Kostal of Odell, Neb. purchased the top two selling bulls.



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Mike and Emily Vales of DeWitt, Neb. purchased project heifers for Emily at the Boyer Sale.

Workforce AID training program announced

The Kansas Department of Commerce is partnering with Caterpillar Work Tools Inc. and Manhattan Area Technical College to provide short-term training through the Workforce Aligned with Industry Demand (Workforce AID) pilot project. The program will provide training for individuals interested in entry-level welding jobs at Caterpillar Work Tools in Wamego. The eight-week program includes skills required and validated by Caterpillar for participants that have been pre-hired by the company contingent upon completion of the training, linking education directly to a job.

"This Workforce AID project supports a robust Kansas economy by preparing workers with the skills and credentials required by business," said Kansas Commerce Secretary Pat George. "We are excited to partner with Caterpillar Work Tools Inc. to continue to develop the workforce Kansas companies need."

Qualified graduates who successfully complete the training will be ready for entry-level jobs at Caterpillar Work Tools with a starting wage of up to \$14 per hour. Graduates will also earn college credit and a welding credential from the American Welding Society.

Classes are scheduled to begin May 26, 2015. For more information about the program, please contact Dawn Krause at (785) 320-4558.

Marysville Livestock Sales

Every Thursday at 12 Noon

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

SALE INFORMATION FOR MAY 7, 2015

CALVES BY THE HEAD		WASHINGTON		SENECA			
BLUE RAPIDS1 BLK STR	\$860.00	1 BLK HFRETTE	1,125@\$131.00	1 BLK COW	1,510@\$102.75		
WATERVILLE 4 BLK HFR	\$875.00	1 BLK HFRETTE	1,090@\$130.00	BERN	1 BLK COW	1,395@\$102.50	
MANHATTAN 1 BLK HFR	\$725.00	HANOVER	1 BLK HFRETTE	1,025@\$129.00	HANOVER	1 BLK COW	1,535@\$102.50
FRANKFORT 1 BLK BULL	\$700.00	CORNING	1 BLK HFRETTE	1,165@\$128.00	HANOVER	1 BLK COW	1,325@\$102.50
MANHATTAN 1 BLK HFR	\$675.00	CORNING	1 BWF HFRETTE	1,105@\$126.00	HANOVER	1 BLK COW	1,170@\$102.50
HANOVER 1 BLK HFR	\$600.00	BERN	1 BLK HFRETTE	1,210@\$121.00	HANOVER	1 BLK COW	1,070@\$102.00
		HERKIMER	1 BLK HFRETTE	1,345@\$121.00	CUBA, KS	1 BLK COW	1,495@\$102.00
		GREEN	1 BLK HFRETTE	960@\$116.00	WATERVILLE	4 XBRD COW	986@\$102.00
		SUMMERFIELD	1 BLK HFRETTE	1,250@\$114.00	BARNES	1 BLK COW	1,455@\$102.00
		FRANKFORT	1 BWF HFRETTE	980@\$110.00	CUBA, KS	1 BLK COW	1,305@\$102.00
		WATERVILLE	1 BLK HFRETTE	985@\$109.00	BAILEYVILLE	1 HOL COW	1,380@\$102.00
					BEATTIE	1 RED COW	1,625@\$101.50
					WASHINGTON	1 BLK COW	1,415@\$101.00
					BREMEN	1 BLK COW	1,150@\$101.00
					FRANKFORT	1 WF COW	1,190@\$101.00
					HANOVER	1 BLK COW	1,420@\$101.00
					BERN	1 BLK COW	1,170@\$101.00
					CUBA	1 BLK COW	1,285@\$101.00
					HANOVER	1 BLK COW	1,410@\$100.50
					BAILEYVILLE	1 HOL COW	1,145@\$100.00
					BERN	1 BLK COW	1,570@\$100.00
					BERN	1 BLK COW	1,460@\$100.00
					CUBA, KS	1 BLK COW	1,440@\$99.50
					RANDOLPH	1 XBRD COW	1,325@\$99.50
					BERN	1 BLK COW	1,490@\$99.00
					WATERVILLE	4 MIX COW	1,025@\$99.00
					ONAGA	1 WF COW	1,235@\$99.00
					CUBA, KS	1 BLK COW	1,465@\$98.50
					CUBA, KS	1 BWF COW	1,805@\$98.25
					HANOVER	1 BLK COW	1,610@\$98.25
					GREENLEAF	1 BLK COW	1,655@\$98.00
					BAILEYVILLE	1 BLK COW	960@\$98.00
					FRANKFORT	1 BLK COW	1,365@\$98.00
					GREENLEAF	1 BLK COW	1,600@\$97.00
					GREEN	1 BLK COW	1,320@\$97.00
					BAILEYVILLE	1 HOL COW	1,240@\$97.00
					HANOVER	1 BLK COW	1,365@\$97.00
					HANOVER	1 BLK COW	1,165@\$97.00
					BREMEN	1 BLK COW	1,295@\$97.00
					MANHATTAN	1 BLK COW	1,500@\$96.50
					WATERVILLE	1 RED COW	1,640@\$96.25
					HADDAM	1 BWF COW	990@\$96.00
					BERN	1 BLK COW	1,450@\$96.00
					MARYSVILLE	1 BLK COW	1,465@\$95.50
					HANOVER	1 BLK COW	1,690@\$95.25
					HANOVER	1 BLK COW	1,365@\$95.25
					FRANKFORT	1 BLK COW	1,270@\$95.00
					BARNES	1 BLK COW	1,015@\$95.00
					FRANKFORT	1 BLK COW	1,150@\$95.00
					HANOVER	1 BLK COW	1,440@\$94.75
					MANHATTAN	1 BLK COW	1,415@\$94.50
					BARNES	1 BLK COW	1,830@\$94.50
					BREMEN	1 BLK COW	1,135@\$94.00
					WATERVILLE	4 XBRD COW	970@\$94.00
					FRANKFORT	1 BLK COW	1,100@\$94.00
					HANOVER	1 BLK COW	1,230@\$94.00
					HANOVER	1 BLK COW	1,870@\$93.25
					BLUE RAPIDS1	1 BLK COW	1,550@\$93.00
					MARYSVILLE	1 BLK COW	1,260@\$93.00
					SABETHA	2 BRSW COW	217@\$93.00
					SENECA	1 BLK COW	1,335@\$92.50
					HANOVER	1 BLK COW	1,225@\$92.00
					MARYSVILLE	1 BLK COW	1,220@\$92.00
					HANOVER	1 BLK COW	1,240@\$92.00
					BREMEN	1 BLK COW	950@\$91.00
					DUBOIS,NE	1 XBRD COW	1,040@\$91.00
					BERN	1 BLK COW	1,380@\$90.00
					HANOVER	1 BLK COW	1,530@\$90.00
					MARYSVILLE	1 WF COW	1,145@\$90.00
					HANOVER	1 BLK COW	1,325@\$89.50
					HANOVER	1 BLK COW	1,645@\$88.25
					OLSBURG	1 CHAR ABUL	1,660@\$145.00
					MARYSVILLE	1 BLK ABUL	2,170@\$144.00
					FRANKFORT	1 BLK ABUL	1,945@\$143.00
					HERKIMER	1 BLK ABUL	1,765@\$142.00
					CORNING	1 BLK ABUL	1,895@\$137.00
					WASHINGTON	1 BLK ABUL	1,450@\$133.00
					MARYSVILLE	1 CHAR ABUL	1,460@\$125.00

BRED COWS/PAIRS		ST. GEORGE		ST. GEORGE	
WASHINGTON	2 BLK COW 3 YRS 8 MO	\$2,475.00	ST. GEORGE	1 BLK COW 4 YRS 8 MO	\$2,475.00
WASHINGTON	1 BLK COW 4 YRS 8 MO	\$2,475.00	ST. GEORGE	2 BLK COW 3 YRS 8 MO	\$2,450.00
HANOVER	1 BLK COW 6 YRS 5 MO	\$2,375.00	FRANKFORT	3 BLK COW 6 YRS 5 MO	\$2,375.00
CORNING	1 BLK COW 4 YRS 8 MO	\$2,375.00	GREENLEAF	1 BLK COW 4 YRS 8 MO	\$2,350.00
CORNING	1 BWF HFRETTE	\$2,350.00	DUBOIS,NE	1 BLK COW 6 YRS 8 MO	\$2,350.00
BERN	1 BLK HFRETTE	\$2,350.00	CORNING	3 BLK COW 2 YRS 5 MO	\$2,350.00
HERKIMER	1 BLK HFRETTE	\$2,300.00	DUBOIS,NE	1 BLK COW 4 YRS 6 MO	\$2,300.00
GREEN	1 BLK HFRETTE	\$2,275.00	DUBOIS,NE	2 BLK COW 6 YRS 5-6 MO	\$2,275.00
SUMMERFIELD	1 BLK HFRETTE	\$2,150.00	BREMEN	1 BLK COW 8 YRS 4 MO	\$2,150.00
FRANKFORT	1 BWF HFRETTE	\$2,125.00	BERN	3 BLK COW 3 YRS 6 MO	\$2,125.00
WATERVILLE	1 BLK HFRETTE	\$2,075.00	BERN	1 BLK COW 6 YRS 6 MO	\$2,075.00
			BERN	1 BLK COW 7 YRS 6 MO	\$1,975.00
			HANOVER	4 BLK COW 6-7 YRS 5 MO	\$1,900.00
			BREMEN	1 RED COW AGED 8 MO	\$1,825.00
			HANOVER	4 MIX COW SS 5 MO	\$1,725.00
			BARNES	1 WF COW AGED 6 MO	\$1,525.00
			FRANKFORT	2 XBRD COW AGED 4 MO	\$1,200.00
			ONAGA	1 WF CCPR 7 YRS 4 MO	\$2,600.00
			GREENLEAF	2 BLK CCPR 3 YRS	\$2,600.00
			GREENLEAF	1 XBRD CCPR8 YRS	\$2,575.00
			PHILLY,NE	2 XBRD CCPR8 YRS	\$2,350.00
			BEATTIE	1 MIX CCPR AGED	\$2,250.00
			MARYSVILLE	1 BLK CCPR 8 YRS	\$2,225.00
			BEATTIE	1 MIX CCPR 8 YRS	\$2,200.00
			BLUE SPRINGNE	7 MIX CCPR8-9 YRS	\$2,175.00
			BREMEN	1 RED CCPR 12 YRS	\$1,950.00
			FRANKFORT	1 BLK CCPR 7 YRS	\$1,925.00
			GREENLEAF	1 BLK CCPR 13 YRS	\$1,900.00
			BLAINE	1 XBRD CCPR SS	\$1,900.00
			FRANKFORT	1 BLK CCPR 7 YRS	\$1,775.00

COWS		DUBOIS,NE		WASHINGTON			
1 BLK COW	1,245@\$120.00	1 RED COW	1,170@\$119.00	1 XBRD COW	1,205@\$116.00		
1 BLK COW	1,085@\$115.00	1 BLK COW	1,285@\$114.50	1 BLK COW	1,250@\$114.50		
1 BLK COW	1,380@\$114.00	1 BLK COW	1,105@\$113.50	1 BLK COW	1,475@\$113.50		
1 BLK COW	1,305@\$113.00	1 RED COW	1,355@\$112.50	1 BLK COW	1,205@\$111.50		
1 BLK COW	1,315@\$110.00	CUBA, KS	1 BLK COW	1,095@\$110.00	MARYSVILLE	1 BLK COW	1,160@\$109.00
1 BLK COW	1,170@\$109.00	MARYSVILLE	1 CHAR COW	1,295@\$109.00	FRANKFORT	1 RED COW	1,400@\$108.00
1 BLK COW	1,110@\$108.00	HANOVER	1 BWF COW	1,110@\$108.00	BARNES	1 RED COW	1,510@\$108.00
1 BLK COW	1,300@\$107.50	CUBA, KS	1 BLK COW	1,245@\$107.00	BREMEN	1 BLK COW	1,285@\$107.00
1 BLK COW	1,440@\$107.00	MARYSVILLE	1 BLK COW	1,440@\$107.00	DUBOIS,NE	1 BLK COW	1,275@\$106.50
1 BLK COW	1,385@\$106.00	PALMER	1 BLK COW	1,385@\$106.00	BAILEYVILLE	1 BLK COW	1,555@\$106.00
1 BLK COW	1,240@\$105.00	HERKIMER	1 BLK COW	1,240@\$105.00	FRANKFORT	1 WF COW	1,095@\$105.00
1 BLK COW	1,630@\$104.00	GREENLEAF	1 BLK COW	1,330@\$103.50	FRANKFORT	1 WF COW	1,360@\$103.00
1 BLK COW	1,165@\$103.00	HANOVER	1 BLK COW	1,165@\$103.00	BERN	1 BLK COW	1,370@\$103.00

EARLY CONSIGNMENTS FOR 5/14/2015			
15	BLK PAIRS	RUNNING AGES	
2	BLK COWS - SPRINGERS	RUNNING AGES	
2	BLK 1ST CALF HFERS - SPRINGERS	RUNNING AGES	
8	BLK COWS - FALL CALVERS	RUNNING AGES	
13	BLK HFERS (REPLACEMENT QLTY)	700-750#	WV HR OCV
15	BLK STRS/HFRS	400-500#	V HR
14	BLK STRS/HFRS	400-600#	WV
35	BLK STRS/HFRS	450-600#	WV
25	MIX STRS/HFRS	500-600#	WV HR
60	BLK HFERS	800-	

K-State Spring Crops Field Day planned May 27

Wheat, weather and cropping systems will take center stage at Kansas State University's Spring Crops Field Day on Wednesday, May 27 in Parsons.

The educational event, at K-State's Southeast Agricultural Research Center just south of U.S. Highway 400 on

Ness Road (North 32nd St.), starts with registration and a complimentary sponsored breakfast from 7:30 to 8:30 a.m.

Doug Shoup, southeast area agronomist and Lonnie Mengarelli, agricultural technician - both with K-State Research and Extension, along with seed company representatives will lead a tour of 30 wheat variety plots.

Chip Redmond, K-State Weather Data Library manager will present "Weather Tools for Agriculture and Future Weather Outlook."

Ignacio Ciampitti, K-State Research and Extension crop production specialist will present "Fine-tuning Cropping Systems via Integration of New Technologies."

In case of rain, the field day will be held indoors.

More information is available by calling 620-421-4826.

EMPORIA LIVESTOCK SALE CO.

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Date: 5/06/15. Light seasonal run, mostly slaughter cows and bulls selling steady to higher. Calves still having demand but are becoming scarce as well as feeders.

4 hrs@348# \$267.50	2 str@250# \$332.50
2 hrs@380# \$263.00	1 str@380# \$310.00
3 hrs@390# \$255.00	2 str@350# \$300.00
2 hrs@420# \$252.00	2 str@525# \$270.00
2 hrs@550# \$250.00	1 str@505# \$268.00
5 hrs@527# \$245.00	4 str@585# \$265.00
3 hrs@508# \$244.00	2 str@580# \$262.00
3 hrs@530# \$234.00	3 str@620# \$260.00
7 hrs@699# \$214.00	3 str@620# \$248.00
3 hrs@670# \$212.00	4 str@650# \$246.00
2 hrs@695# \$205.00	4 str@718# \$226.00
6 hrs@731# \$206.00	2 str@710# \$220.00
5 hrs@800# \$188.00	3 str@780# \$211.00
3 hrs@817# \$186.00	4 str@830# \$205.00
3 hrs@892# \$187.00	

COWS: \$117.00-\$124.00 SHELLS: \$106.00 & down
\$107.00-\$116.75 BULLS: \$139.00-\$153.00

EARLY CONSIGNMENTS FOR MAY 13TH:

- 320 mix steers, 800-900 lbs.
- 62 black & char steers, 800-850 lbs.
- 40 blk, red & char heifers, 775-825 lbs.

PENDING WEATHER

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

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 KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.
 emporialivestock.com



John Emerson, Ft Scott, exhibited the grand champion market beef at the 4th annual Flint Hills Classic in Eureka. 55 market steers, 45 breeding heifers and six bucket calves were shown. John is pictured with judge Spencer Scotten.

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 Same deal, everybody's situation is different, and we do cater to what you need and want.

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Ready, set, grill: K-State will host Barbecue 101 workshop June 6 in Arkansas City

Kansas State University is presenting Barbecue 101, a one-day workshop for novice grillers and seasoned (pardon the pun) veterans alike, on Saturday, June 6 in Arkansas City. K-State specialists will cover the basics of grilling, smoking, and food safety, plus a unique perspective on the science of barbecuing.

"As a meat scientist, I am always grilling and smoking different meats on the weekends. This program offers a great opportunity to teach consumers interested in learning more about barbecue an insider's view on meat products and the science of barbecue," said Travis O'Quinn, an avid griller and meat specialist with K-State Research and Extension. He spends his working days studying such traits as meat tenderness and palatability. "We'll talk about selecting meat, wood, rubs, spices and sauces to use at your next barbecue."

Afternoon station rotations will focus on selecting the right smoker; BBQ regionalty; meat cuts that stretch the dollar; tasting the difference wood makes; and meat preparation and selection. The day wraps up with a competition BBQ expert roundtable.

The workshop will be at the Brown Center at Cowley College, 215 S. 2nd St. in Arkansas City, starting at 8 a.m.

The fee to register is \$50 per person or \$80 per couple due one week before the workshop and includes lunch, an apron, and a Barbecue 101 course book. Space is limited. More information and registration is available online at <http://www.asi.k-state.edu/barbecue101-workshop.html> or email Lois Schreiner at lschrein@ksu.edu.

The workshop is one of four being presented during May and June in different locations in Kansas.



The reserve champion market beef at the 4th annual Flint Hills Classic was shown by Kyanna Lankton, Coffey, Co., pictured with judge Spencer Scotten.

AUCTION

SATURDAY, MAY 16 — 10:00 AM

2320 Humphrey Road - SILVER LAKE, KANSAS

LAWN/YARD EQUIPMENT, RAILROAD BAGGAGE CART, TOOLS, FURNITURE & HOUSEHOLD, GUNS

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JC LIVESTOCK SALES INC.

Wednesday Sale, Hogs NOON • Cattle 12:30 PM

For the week of May 6, 2015

STEERS	6	717	200.00	
4	348	321.00	4	799 194.00
4	409	311.00	3	940 177.00
3	458	303.00		
4	494	286.00		Top Butcher Cow:
4	595	272.00		\$114.00 @ 1,475 lbs.
9	607	255.00		Top Butcher Bull:
2	738	239.00		\$143.00 @ 1,520 lbs.
44	825	212.60		Bred Cows: \$1,500
58	844	212.50		
55	891	201.00		
HEIFERS				Pairs: \$2,000 to \$3,050
1	310	284.00		
8	382	268.00		Fat Hog Top: No Test
7	486	256.00		
4	511	255.00		Sows: No Test
17	584	219.00		
2	685	206.00		

CONSIGNMENTS FOR MAY 13:

60 blk steers850-900 lbs.

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

Visit our new website at jccclivestock.com

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

For week of May 5, 2015

STEERS	3	335	337.00	
4	460	300.00		Top Butcher Cow was
2	528	287.00		\$116.00 @ 1,490 lbs.
7	595	272.00		Top Butcher Bull
4	646	260.00		No Test
2	710	240.00		Bred Cows:
8	835	208.75		\$1,500 to \$2,000
HEIFERS				Pairs:
1	325	282.00		\$2,025 to \$2,800
2	469	258.00		
5	545	249.00		
7	625	223.00		
4	710	203.00		
4	756	200.00		
4	930	170.00		

CONSIGNMENTS FOR MAY 12:

30 Blk X Fall Bred Cows3-5 years old

VALENTINE LIVESTOCK AUCTION CO. Valentine, Neb.

THURSDAY, MAY 14, 2015

SPECIAL BRED FEMALE, ALL BREEDS BULL & REGULAR SALE

S.T.: 10:30 AM on weigh-ups;
 2:00 PM on bred females and pairs, then breeding bulls

Spring Bred Females:
 40 blk (solid mouth-short term) bred Angus (Jorgensen) of May/June. Jorgensen genetics on both sides. Liquidation of May & June calvers, very likeable.....Dan Duffy
 15 blk (young-solid mouth) bred blk, of May-JuneDoughboy Cattle Co.

Fall Bred Females:
 44 Angus (4 bwf) (3-6 yrs; 1300-1400 lbs.) bred Angus, of 8-23, for 60 days. Lots of extra, genetics plus.....Kroup Cattle Co.
 77 blk (5 bwf) (3-5 yrs; 1200-1300 lbs.) bred Angus & Hereford, of 8-15 for 60 days .. Sand Ridge
 20 blk (short term; 1400 lbs.) bred blk, of 9-15.....Will & Kelsey Smith
 15 blk, bwf (3-7 yrs) bred Angus (Logterman) of 8-15.....Dave Rodgers

Pairs:
 15 blk, blk-x (young & solid mouth) few breds; of May & JuneMark Johnson

Breeding Bulls:
 3 Hereford twos (1500 lbs.) sired by Harland, 337, all data availableAdams Bros.

View our special sales online @ cattleusa.com
Office: 1-800-682-4874 or 402-376-3611
 Greg Arendt, Mgr., C: 402-376-4701 Greg Nielsen, Fieldman, C: 402-389-0833
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ONLINE WEEKLY AUCTIONS

UPCOMING AUCTIONS

- '91 IHC 7120, 6000 hrs.
- 2011 JD 9770 STS Combine, 500 sep. hrs.
- 2012 Kinze 1300 Grain Cart
- (2) 2011 JD 612C Cornheads
- (2) MD 32 Header Trailers
- 2005 Spracoupe 7650 90' booms, 2500 hrs.
- '07 Pete 379 EXHD Semi • '09 Wilson Cattle Pot
- Terex TA 30 Dump Truck

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<p>KARL LANGVARDT 785-499-5434 Cell: 785-499-2945</p>	<p>MITCH LANGVARDT 785-238-1858 Cell: 785-761-5814</p>	<p>LYNN LANGVARDT 785-762-2702 Cell: 785-761-5813</p>



Abeldt Club Lambs was one of the exhibitors at the Kansas Sampler Festival May 2 and 3. Along with having lambs on display, they gave shearing demonstrations throughout the two days. Photo by Kevin Macy

Kansas Sampler Festival deemed a success

Just over 12,000 people came to enjoy the 26th version of the annual Kansas Sampler Festival in Wamego's City Park on May 2-3.

More than 150 Kansas communities were represented in the displays, performances, and food that provided the public a sample of what there is to see, do, hear, taste, buy and learn in Kansas. Kansas Sampler Foundation festival overseer WenDee LaPlant said, "It's not easy to host an event that moves every two years. There are thousands of details and it takes a dedicated and determined leadership team to pull it off. Wamego's three festival leaders, Michelle Crisler, Bunny McCloud and Betsy Riblett, did a fantastic job. Crisler, the festival director, said, "Because our community has great volunteers, we were able to host this festival in a way that

made Wamego proud. We would love to hear from those who exhibited or were in general attendance. Those success stories will make all the hours and effort worth it." Send comments to michellec@wamego.org.

Winfield will host the 2016-2017 festival in Island Park. The 2016 dates are May 7-8.

Foundation director Marci Penner said, "What makes me most pleased is that the purpose of the festival was served. Not only did we want it to be a fun event but also one that made people more proud to be a Kansan and more knowledgeable about many aspects of Kansas. That happened in grand style."

The festival is a project of the Inman-based Kansas Sampler Foundation whose mission is to preserve and sustain rural culture.



Ashlee Corns, Eureka, led the reserve champion breeding heifer at the 4th annual Flint Hills Classic in Eureka on April 26.

Report finds mandatory COOL causes meat industry, consumer losses

Any policy that results in higher costs of compliance without a quantifiable benefit will likely have an adverse economic impact, and recent research shows mandatory country-of-origin labeling, or MCOOL, is one such policy.

The U.S. Department of Agriculture (USDA) assigned the research, based on a requirement in the 2014 Farm Bill, to quantify the market impacts of MCOOL. The requirement included studying both the implementation of MCOOL in 2009 and a revision of the policy in 2013.

Agricultural economists Glynn Tonsor and Ted Schroeder from Kansas State University and Joe Parcell from the University of Missouri completed the research and issued the full report (http://www.agripulse.com/Uploaded/USDA_COOLEconomicReport.pdf) to government officials May 1.

The researchers found no evidence of meat demand increases for MCOOL covered products—those products sold at retail locations such as supermarkets. Because general meat demand has not increased, and the meat industry as a whole has experienced lower quantities and higher costs to implement the additional labeling procedures, MCOOL has led to net economic losses.

Industry stakeholders and consumers negatively impacted

Tonsor said the research involved compiling literature from MCOOL studies and other non-peered reviewed information such as comments regarding cost impacts. The researchers used economic models to quantify price and meat quantity estimates over the next 10 years based on the 2009 and 2013 rulings. They compared those findings to 2008, which provided estimates if MCOOL had never occurred.

"We estimated the beef industry's 2009 impact was an economic loss of \$8.07 billion over ten years," Tonsor said. "For the pork industry, it's a \$1.31 billion loss."

Tonsor pointed out that approximately 16 percent of pork and about one-third of beef production is covered by MCOOL, as some products such as those sold in restaurants are not required to bear the label. MCOOL covered beef would have to see at least a 6.8 percent increase and covered pork a 5.6 percent increase in demand to avoid an adverse economic impact.

Results also showed consumers to experience net losses—\$5.98 billion for beef and \$1.79 billion for pork—over ten years due to higher retail prices and lower retail quantities available every year.

The researchers had to study 2013 separately because the MCOOL policy changed. The 2009 ruling led to labels such as "Product of U.S. and Canada" showing up on a package of beef, for example. The 2013 ruling required that same package to read more specifically, "Born in Canada, Raised and Slaughtered in the U.S."

"We added the specificity of 'Born, Raised and Slaughtered' stages in 2013, which means additional costs with additional precision," Tonsor said. "But, it's not the same level of costs as we had the first round in 2009. There's an incremental additional cost, but it isn't as large as the original cost to be in compliance."

The additional impact of the 2013 rule was another \$494 million loss to the beef industry and \$403 million loss to the pork industry over ten years. Demand increases would need to be at least another 0.4 percent for beef and 1.6 percent for pork on top of the 2009 estimates to avoid an adverse economic impact.

Consumer losses were another \$378 million for beef and \$428 million for pork based on the 2013 revision.

The poultry industry, he said, was the only one to show a gain. Those gains for ten years were \$753 million for 2009 and an incremental addition of \$67 million for 2013. The gains, however, were narrow compared to the billions in losses to the beef and pork sectors that mean a total loss for the meat industry as a whole.

"The main reason is (the poultry sector) doesn't have the same cost of compliance, so at the retail level there is some shift away from more expensive beef and pork prices over to poultry products," Tonsor said. "That serves as a pull for more production on the poultry side, and the poultry industry benefits."

What the future has in store

The World Trade Organization is expected to make an announcement later this

month about the future of MCOOL. Some groups and political leaders believe the USDA should repeal MCOOL, while others advocate that the United States has the right to label origin on foods sold in the country.

Tonsor said another approach is to make the policy voluntary.

"Our report and the literature synthesis in it points to a voluntary approach being better," he said. "Watching this situation, I agree that voluntary labeling would be an improvement from where we are now. It's hard for me to say if politically that is where we will be a year from now or three years from now."

To access the full report, visit http://www.agripulse.com/Uploaded/USDA_COOLEconomicReport.pdf.

A video interview with Tonsor is available on the K-State Research and Extension YouTube page (<https://www.youtube.com/watch?v=OvXMoJk5o4o&feature=youtu.be>).

WASHINGTON COUNTY LIVESTOCK, LLC
Locally owned & operated
WASHINGTON, KS – PHONE 785-325-2243
Fax: 785-325-2244
If you have cattle to sell, please call us anytime!

Sale Date Has Changed:
Sales will now be on Monday • Starting Time: 1 PM
Market report for May 4, 2015:

BULLS			
1 blk	1730@135.00	1 blk	1425@109.50
BRED COWS			
4 blk	1256@1,500.00	1 blk	995@108.00
5 blk	1458@1,500.00	1 red	1380@108.00
COWS			
1 blk	1400@116.00	1 blk	1250@108.00
1 bwf	1280@115.00	1 blk	1400@107.00
1 red	1215@114.50	1 bwf	1370@106.50
1 bwf	1110@113.50	1 bwf	1225@106.50
1 blk	1365@112.50	1 blk	1205@106.00
1 blk	1370@109.50	PAIRS	
		1 red	1375@2,500.00

Don't Forget the Video as an option to market your cattle
View our live auctions at www.lmauctions.com
Manager: Matt Kruse, 785-556-0715
Fieldman: Terry Ohlde: 785-747-6554
View our website for current market report!
www.washingtoncountylivestock.com

Eureka Livestock Sale

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

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

On Thursday, May 7 we had 676 head of cattle on a good market.

STEERS			
5 bk	450@298.75	56 bk bwf	911@198.25
3 bk bwf	525@288.50	23 red char	894@196.25
12 bk red	552@279.25	54 bk bwf	929@195.85
15 bk	537@277.00	25 mix	968@191.25
7 bk	628@257.50	HEIFERS	
4 red Angus	545@253.00	3 bk	435@250.25
7 bk bwf	675@249.50	7 bk	483@244.00
5 bk	662@247.50	5 bk bwf	544@243.00
16 bk red	662@244.25	11 bk char	537@240.00
7 bk bwf	681@238.50	8 bk bwf	564@236.00
HEIFERETTES			
7 mix	1004@174.00	BULLS	
3 bk	367@315.00		

BUTCHER COWS: \$65-\$131, mostly \$105-\$120, very active.
BUTCHER BULLS: \$118-\$147.50, mostly \$137-\$145, very active.

BUTCHER COWS			
1 red	1225@131.00	3 bk	1232@124.00
1 wf	1315@128.50	BUTCHER BULLS	
1 bk	1465@128.50	1 bk	2475@147.50
2 bk bwf	1148@128.00	1 red Angus	2095@147.00
1 yellow	1215@128.00	1 wf	2320@145.50
1 bk	1490@127.50	1 red Angus	2310@144.50
1 limo	1325@124.50	1 wf	1815@144.00

EARLY CONSIGNMENTS FOR MAY 14:
• 33 Angus cows, 2-10 yrs old, 1/2 with fall calves at side & 1/2 with spring calves at side. Running back with Angus bull. Complete Dispersal of Charlie Williams. From Toronto, KS.
• 9 very Fancy F1 bwf heifer pairs with Feb. calves at side. Will sell in packages of 3. Very Fancy from Lee Butler. From Virgil, KS
• 50 mixed steers and heifers, 400-600 lbs.

EARLY CONSIGNMENTS FOR MAY 21
• 155 mostly blk str, 900-1,050 lbs., coming off the grass
• 85 mostly black steers and heifers, 500-750 lbs.
CALL WITH YOUR CONSIGNMENTS TODAY!

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: 5-07-15. Head Count: 1037
300-400 lb. steers, \$240-\$339; heifers, \$230-\$309; 400-500 lb. steers, \$225-\$307; heifers, \$200-\$271; 500-600 lb. steers, \$220-\$275; heifers, \$190-\$251; 600-700 lb. steers, \$200-\$243; heifers, \$180-\$231; 700-800 lb. heifers, \$175-\$209.50. Trend on Calves: Choice steer and heifer calves that are weaned with shots, steady; unweaned calves, \$5-\$7 lower. Trend on Feeder Cattle: 1 load of Feeder heifer, \$209.50; not enough other Feeder for a good market. Butcher Cows: High dressing cows, \$105-\$119; Avg. dressing cows, \$90-\$105; low dressing cows, \$75-\$90. Stock Cows: Bred Cows, \$1,800-\$2,625; Cow/Calf Pairs, \$2,000-\$3,650. Butcher Bulls: Avg. to high dressing bulls, \$127.50-\$145. Trend on Cows and Bulls: Butcher cows, steady; Butcher bulls, \$2 lower.

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 62 Years!
****STARTING TIME: 12:00 NOON****

MARKET REPORT FOR TUESDAY, MAY 5, 2015
RECEIPTS: 671 CATTLE

STEERS & BULLS			
1 red bull	495@300.00	1 red hfr	375@277.50
3 blk str	453@300.00	2 blk char hfrs	317@270.00
2 blk red str	482@297.50	4 blk hfrs	391@265.00
4 blk str	508@297.50	8 blk hfrs	494@265.00
4 blk red str	498@295.00	3 blk hfrs	385@263.00
5 blk str	504@295.00	4 blk hfrs	513@262.50
2 blk str	495@287.50	5 blk hfrs	390@261.00
3 blk str	563@275.00	12 blk char hfrs	500@261.00
4 blk str	578@275.00	6 blk hfrs	421@253.00
2 bwf str	430@270.00	4 bwf hfrs	541@247.00
6 blk red bulls	493@270.00	5 blk bwf hfrs	527@246.00
3 blk str	616@264.00	4 blk hfrs	548@243.00
11 blk red str	624@257.00	3 blk hfrs	536@236.00
6 blk red str	605@248.00	14 blk hfrs	587@219.00
4 bwf str	595@240.00	4 blk red hfrs	596@218.50
4 blk str	648@239.00	9 blk red hfrs	657@215.00
4 blk str	655@239.00	7 blk red hfrs	670@214.50
5 blk str	738@237.00	4 blk hfrs	692@212.00
25 blk red str	701@237.00	2 blk hfrs	627@209.00
11 hols str	471@221.00	13 blk red hfrs	653@207.00
6 blk str	758@220.00	19 blk red hfrs	745@199.50
5 blk bulls	696@217.00	4 blk hfrs	706@199.00
4 blk red str	767@214.00	3 blk hfrs	733@198.00
5 blk x str	674@205.00	5 rwf bwf hfrs	788@197.50
13 red blk x str	736@198.00	3 blk hfrs	668@197.00
3 blk str	896@196.00	3 blk red hfrs	780@192.00
4 jers x str	535@185.00	7 blk red hfrs	793@190.50
4 jers x str	488@167.50	4 blk hfrs	793@186.00
HEIFERS			
3 blk hfrs	325@285.00	6 red char hfrs	764@185.00
		4 blk hfrs	990@169.50

Dan Harris, Auctioneer & Owner • 785-364-7137
Danny Deters, Corning, Auct. & Field Rep • 785-868-2591
Dick Coppinger, Winchester, Field Rep. • 913-774-2415
Steve Aeschliman, Sabetha, Field Rep. • 785-284-2417
Larry Matzke, Wheaton, Field Rep. • 785-268-0225
Craig Wischropp, Horton, Field Rep. • 785-547-5419
Barn Phone • 785-364-4114
WEBSITE: www.holtonlivestock.com
EMAIL: dan@holtonlivestock.com

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Kansas in spotlight as Chinese delegation from Hebei Province visits

Kansas Department of Agriculture and Kansas Department of Commerce hosted a Chinese agricultural delegation from Hebei Province May 5-6, 2015. The group met in Topeka with Gov. Sam Brownback, Secretary of Agriculture Jackie McClaskey, Secretary of Commerce Pat George and Kansas Senator Ty Masterson to officially recognize a memorandum of understanding promoting the co-operation of agriculture and animal husbandry and to secure agriculture investment and trade between the province and the State of Kansas.

"Agriculture exports equate to one-third or \$4.2 billion of our total state exports. China, annually, imports more than \$539 million of Kansas agriculture

commodities, ranking third behind Mexico and Japan," Secretary McClaskey said. Secretary George noted the importance of international business. "Trade with China is an important component to expanding the Kansas economy, especially for marketing our various agricultural products. The Department of Commerce looks forward to working with officials and business leaders in the Hebei Province to promote more investment between our state and Hebei."

Kerry Wefald, director of marketing for KDA, added that the agency works to build relationships and opportunities for the sale of Kansas agriculture products around the globe. "Our KDA agribusiness development team works with business

and industry partners to evaluate opportunities on the global market. This includes learning about in-market commodity needs of our trading partners around the globe and matching these needs with producers here in our state. We have a quality relationship with the Hebei delegation and look forward to continuing to increase agricultural trade."

During the visit, the delegation visited a number of farms and ranches including Cow Camp Ranch & Feedyard, Lost Springs, visiting with Tracy Brunner and Nolan Brunner; Ebert Hay & Cattle, St. George, George Ebert and family; Hildebrand Dairy, Junction City, Melissa Hildebrand Reed; and Munson Prime, Junction City, Leslie Fehr.

They also visited with Kansas Beef Council Director of Industry Relations Stephen Russell who shared Kansas beef facts and infor-

mation about Beef Quality Assurance programs and basic beef cattle husbandry.

They also visited with K-State Department of Agronomy's alfalfa forage specialist, Doohong Min and



Kansas Department of Agriculture hosted an inbound trade mission May 5-6 with visitors from the Hebei Province in China. During a tour stop in Ramona, Nolan Brunner visited with the group about beef cattle production practices, including the use of embryo transfer. Pictured from the left are Li Shujing, chairman Shijiazhuang Tianquan Breeding Cows Co., Ltd., Wei Baigang, director general, Hebei Provincial Agricultural Department, Brunner and Wei Lihua, general manager, Shijiazhuang Junlebao Dairy Co., Ltd.

Grass & Grain Weather Report May 12, 2015

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook																																
TUESDAY Mostly Sunny High: 67 Low: 49 WEDNESDAY Partly Cloudy High: 72 Low: 54 THURSDAY Isolated T-storms High: 70 Low: 54 FRIDAY Mostly Sunny High: 67 Low: 51 SATURDAY Mostly Sunny High: 68 Low: 49 SUNDAY Sunny High: 72 Low: 50 MONDAY Mostly Sunny High: 75 Low: 54	Today we will see mostly sunny skies with a high of 67°, humidity of 40%. The record high for today is 99° set in 1909. Expect partly cloudy skies tonight with an overnight low of 49°. The record low for tonight is 30° set in 1917. Wednesday, skies will be partly cloudy with a high of 72°, humidity of 43%. Last Week's Almanac <table border="1"> <thead> <tr> <th>Date</th> <th>Hi/Lo</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr><td>4/30</td><td>76/37</td><td>72/47</td><td>0.00"</td></tr> <tr><td>5/1</td><td>78/45</td><td>73/47</td><td>0.00"</td></tr> <tr><td>5/2</td><td>83/57</td><td>73/48</td><td>0.00"</td></tr> <tr><td>5/3</td><td>87/65</td><td>73/48</td><td>0.04"</td></tr> <tr><td>5/4</td><td>85/60</td><td>74/48</td><td>4.12"</td></tr> <tr><td>5/5</td><td>80/58</td><td>74/49</td><td>0.10"</td></tr> <tr><td>5/6</td><td>74/62</td><td>74/49</td><td>0.42"</td></tr> </tbody> </table> Rainfall last week: 4.68" Normal rainfall: 0.97" Departure from normal: -3.71" Average temp last week: 67.6° Average normal last week: 60.6° Departure from normal: -7.0°	Date	Hi/Lo	Normals	Precip	4/30	76/37	72/47	0.00"	5/1	78/45	73/47	0.00"	5/2	83/57	73/48	0.00"	5/3	87/65	73/48	0.04"	5/4	85/60	74/48	4.12"	5/5	80/58	74/49	0.10"	5/6	74/62	74/49	0.42"	Washington 65/47 Blue Rapids 66/48 Seneca 65/48 Clay Center 66/49 Manhattan 67/49 Wamego 67/49 Ogdan 67/49 Junction City 67/50 Abilene 68/49 Council Grove 68/49
Date	Hi/Lo	Normals	Precip																															
4/30	76/37	72/47	0.00"																															
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Local UV Index

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

Weather History

May 12, 1971 - Dust storms suddenly reduced visibilities to near zero on Interstate Highway 10 near Casa Grande, Ariz. Chain reaction accidents involving cars and trucks resulted, killing seven people.

Growing Degree Days

Date	Degree Days	Date	Degree Days
4/30	6	5/4	22
5/1	12	5/5	19
5/2	20	5/6	18
5/3	26		

KPA hosts dietetics event at Cargill Innovations Center

Where can farmers and ranchers go to engage with influencers about food? Simple answer, go where people are passionate about food. That is exactly what the Kansas Pork Association and Kansas Farm Bureau did when they participated in the Kansas Dietetic Association's 2015 Annual Conference.

"We share the same passion, and that passion is centered in providing safe, healthy, nutritious and delicious food for our families and yours," stated Kelly Wondra, Kansas pig and cattle farmer and attendee of the KDA pre-conference event that was held at the Cargill Innovations Center

on April 22. The pre-conference event hosted 52 food influencers that work as dietitians statewide, five farmers and ranchers from across the state and staff from all organizations. Farmer attendees included: Lexi Goyer, Cowley County; Stacey Forshee, Cloud County; Mick Rausch, Sedgewick County; Kelly and Luke Wondra, Barton County; and Heidi Wells, RD LD, Sedgewick County.

"In their day jobs, these dietitians work in a variety of settings from clinical dietitians to consulting dietitians, and public policy influencers to media communications specialists. In the

evening, they are mothers, fathers, friends and food experts," said Jodi Oleen, Director of Consumer Outreach at Kansas Pork.

Also included in the evening was a tour of the Cargill Innovations Center by Debbie Nece, Regulatory Affairs Manager and the option for attendees to see a culinary demonstration. The demonstration included a cutting presentation from Chef Jake Hartley from Blue Moon Caterers and a wine pairing session from local foodie and Blue Moon Caterers owner Bill Rowe. Continuing education credits were offered for participants.

Sell At St. Marys

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

We sold 1459 cattle May 5. There was good demand for steer and heifer calves at steady prices. Feeder steers and heifers sold \$3.00-5.00 higher. Cows and bulls were steady to \$3.00 higher.		5 blk hfrs 751 @ 204.00 57 blk/bwf hfrs 771 @ 201.85 68 blk/bwf hfrs 783 @ 198.00 118 blk/red hfrs 821 @ 197.00 55 mix hfrs 862 @ 191.75 22 mix hfrs 821 @ 191.75 3 x-bred hfrs 935 @ 184.00 2 brang hfrs 998 @ 175.00 COWS & HEIFERETTES 1 blk hfrt 810 @ 154.00 1 sim hfrt 1025 @ 153.00 1 blk hfrt 1060 @ 151.00 1 blk hfrt 1025 @ 141.00 1 blk hfrt 1090 @ 140.00 1 blk hfrt 925 @ 137.00 1 blk hfrt 845 @ 134.00 1 blk cow 1060 @ 131.00 1 blk cow 1050 @ 130.00 1 blk cow 1050 @ 129.00 1 bwf cow 900 @ 127.00 3 blk/bwf cows 928 @ 125.00 2 blk cows 1118 @ 120.50 1 blk cow 1160 @ 118.00 1 blk cow 1075 @ 114.00 2 blk cows 1165 @ 112.50 1 blk cow 1195 @ 111.50 1 brang cow 1220 @ 111.00 1 bwf cow 1530 @ 110.50	3 blk/bwf cows 972 @ 110.00 1 blk cow 1360 @ 109.50 1 blk cow 1430 @ 109.00 2 blk/bwf cows 1143 @ 108.50 2 blk cows 1170 @ 108.00 1 blk cow 1615 @ 107.50 1 bwf cow 1625 @ 107.00 1 sim cow 1425 @ 106.50 1 brang cow 1375 @ 106.00 1 red cow 1380 @ 105.50 4 blk cows 933 @ 105.00 1 bwf cow 1560 @ 104.50 1 wf cow 1505 @ 104.00 1 bwf cow 1320 @ 103.50 1 sim cow 1090 @ 103.00 1 bwf cow 1100 @ 102.50 1 blk cow 1325 @ 102.00 1 bwf cow 1120 @ 101.50 1 wf cow 1090 @ 101.00 1 blk cow 1395 @ 100.00 BRED COWS & HEIFERS 7 angus cows @ 2750.00 8 angus cows @ 2650.00 6 angus cows @ 2475.00 5 angus cows @ 2000.00 2 blk hfrs @ 1400.00 COW/CALF PAIRS 1 blk cows/cvs @ 1975.00	2 blk/bwf cows/cvs @ 1725.00 1 blk cow/cf @ 1675.00 2 blk cows/cvs @ 1475.00 1 blk cow/cf @ 1350.00 BULLS 1 blk bull 1505 @ 150.00 3 blk bulls 1268 @ 147.00 1 blk bull 1540 @ 146.00 1 blk bull 2100 @ 141.50 1 blk bull 1930 @ 141.00 1 char bull 1795 @ 139.00 3 blk bulls 1405 @ 137.50 1 blk bull 2010 @ 136.50 1 bwf bull 1660 @ 135.00
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CONSIGNMENTS FOR MAY 12:

- 35 blk str & hfrs, 500-600 lbs., weaned, vacc.
- 16 blk str & hfrs, 500-600 lbs., weaned, vacc.
- 25 blk str & hfrs, 450-550 lbs., vaccinated
- 15 black steers, 800-825 lbs.
- 70 black Charolais heifers, 775-800 lbs.
- 107 black heifers, 800-825 lbs.
- 62 black Charolais steers, 800-825 lbs.
- 60 black crossbred steers, 875-900 lbs.
- 62 black steers, 900-925 lbs.
- 61 black crossbred steers, 900-925 lbs.
- 120 blk steers, 900-925 lbs., Northern origin
- 136 black steers, 800-825 lbs.
- 71 black Charolais steers, 900-925 lbs.
- 58 black crossbred steers, 900-925 lbs.

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to www.grassandgrain.com & logging onto the online subscription

FOR INFORMATION OR ESTIMATES:
 REZAC BARN ST. MARYS, 785-437-2785
 DENNIS REZAC ST. MARYS, 785-437-6349
 DENNIS' CELL PHONE785-456-4187
 KENNETH REZAC . . ST. MARYS 785-458-9071

LELAND BAILEY . . . TOPEKA, 785-286-1107
 LYNN REZAC ST. MARYS, 785-456-4943
 REX ARBMELVERN, 785-224-6765

Toll Free Number.....1-800-531-1676

Website: www.rezACLIVESTOCK.COM

AUCTIONEERS: DENNIS REZAC & REX ARB

Livestock Commission
Company, Inc.
St. Marys, Ks.