

Summer teacher workshop infuses ag in classrooms across Kansas

By Lucas Shivers Roasting test tubes of popcorn kernels over candle flames, 29 teachers from all corners of the state learned how to incorporate agriculture into their lessons to make curriculum come alive with plants and animals.

"We are all dependent on agriculture, but our children know so little about it," said Dianna Deniston, a teacher at Victor Ornelas Elementary in Garden City. "This course shows how teachers can include agriculture in their instruction so students can understand the impact of agriculture in the world.'



Above and right: Popcorn roasted in a test tube over a candle was just one of the hands-on activities teachers participated in at the Kansas Foundation for Agriculture in the Classroom workshop.





Twenty-nine teachers from around the state participated in the workshop, which was held June 10-14 at the Kansas Wheat Innovation Center in Manhattan.

The Kansas Foundation for Agriculture in the Classroom (KFAC) organized the weeklong workshop from June 10-14 at the Kansas Wheat Innovation Center in Manhattan.

Teachers explore the diversity of agriculture through hands-on, standardsbased activities and lesson

tor. "The course exposes teachers to various agricultural opportunities and provides them with a variety of resources to use when preparing and presenting lesson plans to their students."

Themed "Connect your Classroom to Kansas Agriculture," this annual course helps elementary, middle and high school teachers bring agriculture into their classrooms. Participates learn directly from multiple professors, researchers and ag-business owners. They take field trips to Lyons Angus Ranch, Horticultural Services greenhouses, Flint Hills Discovery Center and more. "Our goal is to provide agricultural background and resources for teachers to cover their established curriculum in all areas," Musick said. "We hope teachers can learn to use agriculture as the tool to teach that curriculum. It allows for experiential learning to take place within a real-world context." As schools transition to Common Core curriculum and assessments, Musick said she hopes teachers can take students to a new level of understanding with the practical application of agriculture. "Our summer workshop gives teachers real

hands-on ideas and programs to take back to their classrooms," Musick said. "This year as the teachers experienced the activities, they began to brainstorm ideas beyond what we shared."

Local and State Partnerships

Multiple donors for the workshop include the Kansas Dairy Commission, Kansas Farm Bureau, Midwest Dairy Association and ICM Inc. Participants also received local funding from their community Farm Bureaus, K-State Research and Extension offices and area conservation districts. "We raised more than \$30,000 for tuition for our 29 teachers this year," Sheridan Wimmer, program assistant, said, "There are a lot of local partnerships and statewide collaboration." Due to these donors, Kansas teachers from all grade levels have access to summer workshops at a reduced cost or even for free. Teachers participating in the course earn three graduate credit hours through K-State. "Our main conduit to recruit participants and teachers are the local professionals in their communities," Musick said. "They know the ones most interested in

coming for the summer and help fund scholarships." **Renewed Passion**

for Teaching In the last seven years

since Musick has served as director, an average of 20 teachers have completed the program each summer. "Teachers tell us that they go away energized to try new

been long-time teachers, and this gives them energy and excitement. They look forward to head back to their schools in the fall - that's a

bonus." Several schools are looking at investing state and federal charter funds to begin programs housing animals, gardens and greenhouses for establishing small-scale farm operations, such as the Walton Rural Life Center. This summer, seven teachers from Chase County attended the summer class as a cohort group to start their own ag-based charter school. "These sites are going all-in for agricultural integration, and they have done a great job implementing ag as a daily learning tool," Musick said. "We want to help foster this in new places across the state."

Following the success of the ag-based charter schools, new sites are exploring how to build similar programs. "We love what they're doing to spread the charter agriculture school movement," Musick said. "We want to provide resources for projectbased agriculture learning ag-based lessons with their for Service Valley Charter Brimm-Cook, a teacher at students," Musick said. Academy and Chase County Service Valley Charter Acad-"Several participants have charter school this next year. emy in Oswego.

There are several others as well." These schools allow a new generation of students, who often have little background on understanding their personal food and wellness choices, to enrich their learning with direct examples of living on a farm or ranch.

"I wish I had that opportunity to go to an ag school growing up," Wimmer said. "In grade school, I wish I could have applied agriculture to my school work in these ways."

Returning to the Classroom

As part of the summer summit, the teachers also complete homework assignments. "We ask teachers to provide three ag-based lessons to expand our resource base," Musick said. "Teachers are combining their classroom expertise with our summer workshop to offer the best lessons for their kids. One success story from the summer workshops is Teresa Schultz from Norton County. She took ideas back to her school and started the Little Red Hen project. "Students planted wheat and harvested it by hand," Musick said. "They made bread out of the flour as a full circle of agriculture. Our teachers like Schultz go back and provide leadership to spread agbased projects to their peers in their schools." KFAC, a non-profit foundation, provides the workshop and other educational resources to help students connect agriculture to their own lives.

"This program is a very innovative way of producing hands-on curriculum and resources for teachers to put real-world situations into the classroom," said Arlene

plans that focus on math, science, social studies and reading," said Cathy Musick, KFAC executive direc-

Reid pressures House to pass farm bill

(AP) - Senate Majority Leader Harry Reid says his chamber won't pass an extension of farm policy this year and is pressuring the House to figure out how to pass a farm bill.

The House rejected its version of a five-year, half-trillion-dollar farm bill with 62 Republicans voting no after Speaker John Boehner urged support. The Senate passed its farm bill earlier this month with support from two-thirds of the chamber.

Reid recently urged Boehner to take up the Senate farm bill before current policy expires Sept. 30.

"Doing nothing means no reform, no deficit reduction and no certainty for America's 16 million farm-industry workers," Reid said.

Both bills expand farm subsidies while saving money overall and making cuts to the almost \$80 billion-a-year food stamp program, which has doubled in cost in the last five years. The Senate bill cuts \$400 million a year from food stamps, or half a percent, while the House bill cuts \$2 billion annually, or about three percent.

House conservatives wanted even higher cuts, and many of them joined with Democrats who thought the cuts were too high to defeat the bill on the floor. The final vote was 234-195 after the chamber adopted a controversial amendment that would have added additional work requirements to food stamps, now called the Supplemental Nutrition Assistance Program, or SNAP.

Finding a way to pass the bill with divisions in the GOP caucus and little support from Democrats won't be easy, and an extension of current farm law, passed in 2008, could be the most realistic route. But Reid made it clear he doesn't want to do that.

"I want everyone within the sound of my voice - as well as my colleagues on the

Continued on page 3



Immigration reform now

By John Schlageck, Kansas Farm Bureau

The immigration debate has begun in Washington, D.C., and not a moment too soon. It is past time our failed immigration and guest-worker program was fixed.

Too often, "immigration" is used as a bad word. The truth of the matter is, a reliable guest-worker program makes sense for Kansas farmers and ranchers, our communities and our food system.

Farmers and ranchers face a shortage of workers who are willing and able to work on farms and in fields. Most U.S. residents don't find these jobs attractive; yet for many prospective workers from other countries, these jobs present real economic opportunities.

Immigration is directly responsible for about 8 per-

cent of the Kansas economy. Every job held by an immigrant, on average, equates to nearly one additional job created in the state. Furthermore, Kansans should not fear losing work to immigrants. If every unemployed non-immigrant in our state were to be immediately employed, there would still be roughly 50,000 jobs available.

This state has a long history of utilizing workers from other countries. even other states. Folks from Missouri and Arkansas have helped harvest Kansas wheat since before World War II. A handful of Aussies from "Down Under" have also been known to show up as harvest help.

Workers from Mexico showed up in southwestern 1950s to help with the fledgling irrigation crops. Shortly after, they became heavily involved in the feedlot

and packing industries in this region of our state.

This same minority came to northwestern Kansas where I grew up at the start of the '60s. In Sherman and Sheridan counties they hoed weeds in the sugar beet fields.

Today, some workers from South Africa are working the fields of northwestern Kansas and plenty of people from south of the border still provide a needed labor force for the Sunflower State.

It's past time for this country to figure out a workable immigration policy; one that will benefit our country and those willing to come to these United States and provide valuable labor.

The U.S. Senate is now debating an immigration bill that deals responsibly with our existing workforce, gives farmers and ranchers access to a usable, legal, stable supply of workers and addresses border security and employer enforcement.

The nonpartisan Congressional Budget Office recently released a report stating the Senate's immigration bill could save our

nation up to \$197 billion during the next ten years and an additional \$700 billion in the decade to follow. The report also said the legislation would increase real U.S. gross domestic product by 3.3 percent through 2023 due to the influx of new workers.

If Congress can't fix our broken immigration system, we'll be forced to import more food and agricultural products from foreign countries. More U.S. and Kansas farmers and ranchers will go out of business, crippling the rural communities that are the backbone of our nation.

As we struggle to pull ourselves out of the Great Recession, can we Americans afford to ignore the economic and social benefits that will come with immigration reform?

Immigration reform is right for the economy, for the business community, and for immigrants who follow us in their hopes for a better life.

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.



"Jake, now that you've got 'em broke, when does he go to eatin' outta your hands?"



Had his injury been any worse, I'm pretty sure the police would have shown up at my door, followed a few weeks later by a film crew from some crime show with a name like, "Was She Trving to Kill Her Husband?" As it was, a black eve and a small cut that didn't require stitches kept us out of the limelight and me on the right side of the law.

It all started out so innocently. I was in the backyard with our granddaughter and we were playing Doc McStuffin. It's a children's show where the little girl pretends she's a doctor and works on all of her stuffed animals. In this case. Lila worked on me. using various items to pour cold water on my pretend aches, pains or injuries.

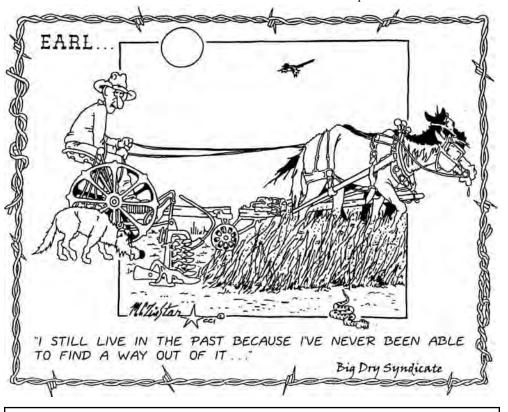
My husband, who had been sick for the past two days, poked his head out the door to say he was going to bed.

"Why don't you come out and let Doc McStuffin work on you for a minute?" I suggested. "She's very good. I'm sure she could make vou feel better."

He agreed and headed for another reclining chair that was out there, but Doc quickly informed him that it wasn't the hospital chair and he needed to sit in the one I had been sitting in.

The release on the back of that chair was broken, so I had it propped up against the concrete wall of the walkout basement. Behind it was this metal frame that fits on a pickup and has something to do with hauling trailers. Considering we don't have driveway access to the walkout. I have no idea why it was there, but the chair had hidden it nicely. About three feet away was a five-foot metal T-post leaned against the wall. It was there because last summer I had put an inflatable pool in that part of the yard and my husband built a fence around it to keep the dogs from tearing it up. He had recently pulled the post to open a panel so he could mow inside the fence.

He sat down in the hospital chair, obviously with much greater downward force than I had put on it, caused the metal frame to shift, and tipped over the T-post which fell down and



ACE REID

6/30/13



We are in the lazy, hazy days of summer right now. Okay, the past couple of days have been really hazy with all of the rain, heat and humidity, but our summer days are anything but lazy. I can't remember the last day we didn't have anything on the calendar or the last night all of my family stayed home. Between baseball, softball, FFA, 4-H, volleyball, and a barrage of a million other activities we have not spent an entire evening at home for weeks (probably since school let out).

It seems like we are constantly on the run and at times I would give anything for a slow night at home. Many days I want a vacation from summer vacation, but I do not want to leave home. I know we are not alone because each night I see many of the same families. Everyone, it seems, is trying to cram as much "fun" and "activities" into each 24 hours and it is an exhausting race.

Sundays used to be sacred (yes, I used the word sacred on purpose) but that is definitely not the case anymore. Most of the sports tournaments start on Friday and run through Sunday and I mean all day Sunday if your team goes clear to the championship. So much for Sunday being designated a day of rest and worship. Now it seems even the days of the week are filled up with yet more activities. It leaves me asking the questions of what have we done and what should we do about it? We push ourselves and our kids to the limit trying to keep up with everyone else, who are trying to keep up with us (or at least it would seem that way). It is a vicious circle. I also suspect that it is not just limited to kids activities, it seems like the whole world is moving faster, demanding more and resting less. It's like a tread mill without a shut-off switch.

cut back on what we are doing, but actually cutting back is another problem. We don't want our children to miss out and/or to be left out of any experience. I would also suspect, if we were honest with ourselves, we adults are also motivated by the same fear.

cut back and in some cases it is easy to actually cut back. Well, it is easy to cut back for a while. Soon we start adding things to fill the spaces created by what we have said "no" to. Suddenly we look at our calendars and realize that the down time we have carved out has melted away and disappeared.

It is easy to say we are going to

All of this leaves us with no easy solutions, just hard choices, and none of us like making hard decisions. Maybe this pace is just something we will have to accept, deal with and move on. But I would suspect that really we all need to look at our lives. We need to ask the hard questions and prioritize our time. We need to think about our limited time, think about our family's health and well-being and make those tough choices I am also a realist enough to know that we will talk about cutting back without ever really doing it. I don't know, maybe in five to ten years I will look back at this hectic time in my life and be glad that I did push my limits, I certainly hope that will be the case. Don't get me wrong, I am enjoying spending time with my kids and our friends. I certainly don't mean to complain but I do worry that we are running ourselves ragged at times. My greatest fear is that life will keep accelerating. I hope each of us will take the time to slow down this summer. Even for a day, stop, relax and enjoy the world and the people around you. Pull up a chair on the deck, pour your favorite cold beverage and just let the world pass you by. Remember that life is a marathon and not a sprint. And please, if you see me, remind me of my own words.

I don't have any good answers or at least the answers that most of us want to hear. Limit activities, prioritize what is important and stick with the plan. It is easy to say that we will



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Kansas woman pleads guilty in cattle fraud scheme hit him on the head, right dent to see if there was at the corner of his eve. any blame to be placed or He started yelling, the if it was just a good story blood started flowing and we could get some mileage my granddaughter stood out of. Once his suspilooking bewildered at the cious nature had cleared mayhem breaking out in me of booby-trapping the her clinic. I was pretty sure chair and he justified his tle trading. we were headed to the real reasoning for leaving the hospital. But after the metal frame and T-post blood was wiped away, the there in the first place, we cut was pretty small and decided it was probably stopped bleeding immedijust a good story. ately. He went on to bed And there went my shot and Doc McStuffin and I at reality television. checked on him several Oh well, they say the 11.

times to make sure he was all right. The next day, it was time to examine the inci-

camera adds at least ten pounds to a person, and that, my friends, is the last thing I need.

(AP) – A central Kansas woman has pleaded guilty to embezzling more than \$211,000 from a feedlot where she worked to pay off losses from her own cat-

The U.S. Attorney's office says 37-year-old Carrie L. Frederick, of Sterling, entered the pleas to three counts of wire fraud. She was charged late last year and will be sentenced Sept.

Frederick admitted stealing the money from Sellers Farms, a livestock feeding operation in Lyons

jority should put the com-

the floor with no amend-

ments. The amendment to

add the SNAP work require-

before the vote on final pas-

sage, soured many Democ-

rats who were planning to

agriculture committees have

stamps to farm bills to gar-

marriage has made passage

vote for the legislation.

where she went to work in Feeders in St. John, for 2007.

\$150,000 to her previous serving on Golden Belt's employer, Golden Belt board.

losses from cattle transac-She owed more than tions she financed while

Prosecutors said Frederick used the money stolen from Sellers Farms for personal expenses and to repay Golden Belt.





Reid pressures house to pass farm bill

Continued from page 1 other side of the Capitol – to know that the Senate will not pass another temporary farm bill extension," Reid said on the Senate floor.

Congress has already passed one extension of the 2008 law after the Senate passed a farm bill last year but the House declined to take it up.

Agriculture Secretary Tom Vilsack agreed with Reid on Monday that an extension is not good policy and that farmers need certainty for their planting decisions. He called an extension "rewarding failure."

In an interview with The Associated Press, Vilsack said rural advocates in Congress and the administration – including himself – need to do a better job of explain-

ing to reluctant lawmakers why a farm bill is important to the country.

"We don't market what we do and what we mean effectively, so politicians think they can fail to pass necessary legislation and not suffer any consequence," Vilsack said.

Farm-state lawmakers in the House were still talking to colleagues about how to proceed after the bill's decisive defeat. House Agriculture Committee chairman Frank Lucas, R-Okla., said after the vote that the committee would assess its options, but has not elaborated since then

Minnesota Rep. Collin Peterson, the senior Democrat on the House Agriculture Committee, said that he thinks the Republican ma-

harder this year. Farm-state lawmakers argue that a farm bill is needed to avert crises stemming from bad weather or price collapses.



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This Week's Grass & Grain Recipe Contest Winner Is Gin Fox, Holton Winner Gin Fox, Holton:

CAKE MIX BERRY COBBLER

Prep Time: 10 minutes • Cooking Time: 1 hour 18.25-ounce box yellow cake mix

24 ounces frozen fruit of your choice

18 ounces Sprite/7up/ Sierra Mist

Preheat oven to 350 degrees. Spray or greased 9-by-13-inch baking dish. Pour fruit on the bottom of baking dish. Spread out evenly. Pour dry cake mix on top of fruit. Do not mix! Pour soda on top of dry cake mix. Bake for 50-60 minutes or until nicely browned. Let it cool for about 15 minutes before serving.

NOTE: Top with vanilla ice cream! (optional of course).

Millie Conger, Tecumseh: SOUR CREAM **RANCH DIP** FOR FRESH VEGGIES

2/3 cup sour cream 2 tablespoons chopped fresh

- parsley 4 teaspoons buttermilk
- 1 tablespoon chopped fresh chives
- 1 tablespoon chopped fresh
- dill
- 1/2 teaspoon salt Mix all together and chill.
- Serve with fresh veggies.

Lydia Miller, Westphalia: **ROCKY ROAD** CHOCOLATE CAKE

18.25-ounce package German chocolate cake mix

3.9-ounce package chocolate

instant pudding mix 3 large eggs, lightly beaten

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1 cup sour cream

1/3 cup butter, melted 1 teaspoon vanilla extract 3 1/4 cups milk, divided 3.4-ounce package chocolate cook-and-serve pudding mix

1 1/2 cups miniature marshmallows

1 cup semisweet chocolate morsels

Vanilla ice cream (optional) Beat cake mix, instant chocolate pudding, eggs, sour cream, melted butter, vanilla and 1 1/4 cups milk at medium speed with an electric mixer 2 minutes, stop-

bles appear (do not boil); remove from heat. Sprinkle cook-and-serve pudding mix over batter. Slowly pour hot milk over pudding. Cover and cook on LOW 3 1/2 hours. Meanwhile, heat pecans in a small nonstick skillet over medium-low heat, stirring often, 3 to 5 minutes or until lightly toasted and fragrant. Turn off slow cooker. Sprinkle cake with pecans, marshmallows and chocolate morsels. Let stand 15 minutes or until marshmallows are slightly melted. Spoon into dessert dishes and serve with ice cream, if desired. ****

Another one from Lydia Miller, Westphalia: SUPER

ENERGY BALLS 1 cup peanut butter 2 tablespoons margarine or

- butter. melted
- der
- 1/2 cup raisins

2 cups Tasteeos® brand cere-

1/2 to 2/3 cup flaked coconut

Combine peanut butter, margarine and honey in medium bowl. Stir in milk powder and raisins. Add cereal, stirring until all pieces are evenly coated. Drop 1 teaspoon cereal mixture into coconut and roll into a ball. Repeat. Store in air-tight



container in refrigerator. Makes 5 dozen. Nutrition information per

ball: 49 calories, 5g carbohydrate, 1.5g protein, 3g fat, trace cholesterol, 34mg sodium, 5g dietary fiber. ****

Caramel S'more Cups

Betty Crocker® cookie mix provides a simple addition to these delicious caramel cookies – a delightful dessert! 1 pouch (1 pound 1.5 ounces)

- Betty Crocker® chocolate chip cookie mix
- 1/2 cup butter or margarine, softened
- 1 egg
- 36 round chewy caramels in milk chocolate, from 5 (1.91-ounce) rolls, unwrapped

108 mini marshmallows (1 cup)

1/2 cup semisweet chocolate chips

Heat oven to 375 degrees. Spray 36 mini muffin cups with cooking spray. Make cookie dough as directed on package, using butter and egg. Shape dough into 36 (1inch) balls. Place 1 ball into each muffin cup. Bake 8 to 9 minutes or until edges begin to brown. Remove from oven; firmly press 1 candy into center of each cookie until flush with cookie top. Top each with 3 marshmallows. Bake 2 to 4

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minutes longer or until marshmallows are puffed. Cool 30 minutes. Loosen edges of cookie with small metal spatula and remove to cooling racks. Cool completely.

Place chocolate chips in small resealable freezer plastic bag. Microwave on High about 1 minute or softened. until Gently squeeze bag until chocolate is smooth; cut off tiny corner of bag. Squeeze bag to drizzle chocolate over marshmallows. Let stand until hardened, about 10 minutes. Makes 3 dozen cookies

Tips: Need to make a sweet treat for a bake sale? These would be a hit! These cookies are heavenly warm, but are delicious when cooled too. *****

S'more Shortcake Pops Treat your guests with these delicious shortcake pops made using Original Bisquick® mix - a perfect dessert.

2 1/3 cups Original Bisquick® mix 2/3 cup milk

3 tablespoons sugar

- 3 tablespoons butter or margarine, melted
- 1 1/2 cups marshmallow creme
- 2 cups milk chocolate chips (12 ounces)
- 1 teaspoon shortening
- 36 craft sticks (flat wooden sticks with rounded ends)
- tablespoons graham cracker crumbs

Heat oven to 425 degrees. To measure Bisquick mix, lightly spoon into measuring cup; level off. In medium bowl, stir Bisquick, milk. sugar and butter until soft dough forms. Drop by 6 spoonfuls onto ungreased cookie sheet. Bake 10 to 12 minutes or until golden brown. Remove from cookie sheet to cooling rack. Cool completely; about 20 minutes.

With fingers, crumble shortcake into large bowl. Add marshmallow creme; mix well with spoon, pressing with back of spoon if necessary, until dough forms. Form dough into 36 1-inch balls (mixture will be



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ping to scrape down sides as needed. Pour batter into a lightly greased 4-quart slow cooker. Cook remaining 2 cups milk in a heavy nonaluminum saucepan over medium heat, stirring often, 3 to 5 minutes or just until bub-Moro | Aggieville Marihattan, KS 785.539.857 Mon-Fri 9-6 | Sal 9-Family owned and operated since 1913 • Built on 4 x 4 x 3/16-inch square skids with chains for easy moving Reasonable prices Frames are built on 3-inch square tubing, 3/16-inch wall thickness A Three day turnaround 🌣 H & L QUALITY BUILDINGS, INC. ADD VALUE TO YOUR Phone: 1-866-946-5212 (toll free) · Cell 402-694-8614 FOOTWEAR INVESTMENT

1/2 cup honey 1/2 cup non-fat dry milk powal

1/2 cup chopped pecans

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2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery. 3. Send it to: Woman's Page Edi-tor, Grass & Grain, Box 1009,

Manhattan, KS 66505. OR e-mail at: auctions@agpress.com

a little sticky). Place on cookie sheet. Insert craft sticks into shortcake balls but do not poke all the way through other side.* Gently squeeze shortcake balls around craft sticks. Freeze 15 minutes.

In small microwavable bowl, melt chips and shortening uncovered as directed on package of chips. Stir until smooth. When dipping shortcake balls, work with 5 to 10 at a time, keeping the rest in the freezer. Gently dip each shortcake ball twothirds into chocolate mixture; allowing excess chocolate to drip back into bowl. Sprinkle balls with small amount of graham cracker crumbs. Repeat with remaining shortcake balls and melted chocolate mixture. Place in white or green polystyrene foam to allow chocolate to harden. Once chocolate is hardened, eat immediately or store covered in refrigerator. If refrigerated, uncover and allow shortcake pops to stand at room temperature 15 minutes before serving. Makes 36 shortcake pops.

* If desired, dip ends of craft sticks into melted chocolate before inserting into balls. *****

Mini S'mores Hand Pies

These mini hand pies take everything we love about s'mores — crunchy graham crackers, melty chocolate, ooey-gooey marshmallows and put it into a handheld pie pocket that delivers a perfect taste of summer.

1 box Pillsbury® refrigerated pie crusts, softened as directed on box

1/2 cup graham cracker

crumbs (8 graham cracker squares, finely crushed)

1/4 cup sugar 3 tablespoons butter, melted

Filling:

1/2 cup marshmallow creme tablespoons cream cheese, softened (1 ounce)

2 tablespoons sugar 1/2 cup chocolate chips

Heat oven to 425 degrees. Line cookie sheet with cooking parchment paper. Unroll pie crusts. With 3inch round cutter, cut 10 rounds from each crust. In small shallow bowl, mix cracker crumbs and 1/4 cup sugar. Brush both sides of pie crust rounds with butter; dip into crumb mixture to coat

Place 10 coated pie crust rounds on cookie sheet. Stir together filling ingredients. Spoon about 1 heaping tablespoon filling in center of each of the 10 rounds. Place remaining pie crust rounds on top of the filling on each. Pinch edges to seal. Bake 9 to 12 minutes or until golden brown. Serve warm or at room temperature. Store covered in refrigerator. Makes 10 pies. ****

Warm Toasted Marshmallo S'mores Bars

Grand Prize-Winning Recipe 2006! Mmm! Irresistible warm, gooey marshmallows, milk chocolate and graham crackers are baked into a delicious bar cookie. 1 pouch (1 pound 1.5 ounces)

- Betty Crocker® sugar cookie mix
- 1 cup graham cracker
- crumbs 1 cup butter or margarine,



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melted 3 cups milk chocolate chips

- (18 ounces)
- 4 1/2 cups miniature marshmallows

Heat oven to 375 degrees. In large bowl, stir together cookie mix and crumbs. Stir in melted butter until soft dough forms. Press into ungreased 13-by-9-inch pan. Bake 18 to 20 minutes or until set. Immediately sprinkle chocolate chips over crust. Let stand 3 to 5 minutes or until chocolate begins to melt. Spread chocolate evenly over crust.

Set oven control to broil. Sprinkle marshmallows over melted chocolate. Broil with top 5 to 6 inches from heat 20 to 30 seconds or until marshmallows are toasted. (Watch closely; marshmallows will brown quickly.) Cool 10 minutes. For bars, cut into 6 rows by 4 rows. Serve warm. Store any remaining bars tightly covered. Makes 24 bars

Did You Know? This recipe was one of fifteen winners in the 2006 Mix It Up with Betty! Cookie Mix Recipe Contest. More than \$10,000 was awarded!

How-To: To reheat, place individual bars on a microwavable plate. Microwave uncovered on High about 15 seconds or until warm.

> recipes from www.bettycrocker.com



Fourth of July

By Lou Ann Thomas The Fourth of July is one of my favorite holidays. What's not to like? Well, except maybe for the noise level if you live where there are a lot of firecrackers exploding. But other than that, this is one of the best days of the year because it's all about parades, picnics, gathering together and doing nothing more than

celebrating. The Fourth of July was a big deal in my family. We gathered at a park or family member's backyard for grandmother's homemade ice cream, fried chicken, potato salad and enough deviled eggs to make anyone feel a little queasy. Our fondness for the Fourth was enhanced because my grandfather came to the United States from Switzerland when he was just a boy. It wasn't an easy beginning. The family only spoke French, so when Grandpa went to school and didn't speak English the other kids called him "Frenchie."

The name calling likely stung, but Grandpa persevered and with only a fifthgrade education used the opportunities this country offered to become a successful businessman and raise his family, sending all three of his daughters to college.

Grandpa loved celebrating the freedoms and opportunities he found here and always bought us grandkids a big pile of fireworks to shoot off on the Fourth. Of course, we had to wait to begin lighting any of the cones, fountains and Roman candles until after it got dark and that never came soon enough for us kids. When Grandpa gave the okay, we dumped the

sack of fireworks out and gleefully began sorting through them. There were always squeals of delight upon finding our favorite fountain, whirligig or spinners. There would also be some frequent disagreements about who could light what and what would be lit first. But feelings healed quickly and the end result was usually deemed fair, with the older kids shooting the bigger more powerful fireworks and the younger ones playing with the sparklers and smaller pyrotechnics.

Grandpa would sit in his lawn chair with his brown eyes brightly shining, laughing at our antics and sharing in our fun. I don't think anyone enjoyed watching fireworks or appreciated what they represented more than he did.

This really is an amazing country. We have our faults and we remain a work in progress, but when a young boy can come here with nothing except a dream and see it through, well, that's something to celebrate.



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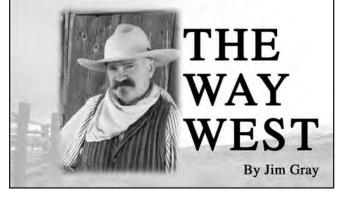
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Page 6



To Save A President

The words "Charles J. Guiteau - Hung June 30, 1882" were a mystery to me in my youth. They were carved in a standing rock that my grandfather called Devil's Tea Table. I imagined that the man, Guiteau, was hung from the top of the rock. His name meant nothing to me although in his own time, his name was on the tongue of every American. Guiteau's death was deemed so imperative that someone took the time to record the event on that rock for posterity. But, who was Charles J. Guiteau?

I eventually learned that Guiteau's name belonged with the likes of John Wilkes Booth and Lee Harvey Oswald. I can remember the exact moment that I heard the report of President Kennedy's assassination. I imagine anyone who lived

through that time can say the same. So it was in 1881 that a madman by the name of Charles J. Guiteau shot down President James A. Garfield in the Sixth Street railroad depot of Washington D. C.

James Garfield is almost a forgotten president. His presidency lasted only two hundred days. He had been in office a mere eighty-six days when Guiteau shot him down on July 2, 1881. His lasting impression upon the nation was the purity of a man who truly wanted the best for everyone.

While serving as Chief of Staff for General Rosecrans during the Civil War Garfield was asked to run for Congress. He felt an obligation to complete his military duty, but his nation called him to serve in another way. In taking the floor of

the House of Representatives his integrity was unmistakable. A newspaper reporter noted, "his eloquent words move the heart, convince the reason, and tell the weak and wavering which way to go."

Garfield was the classic American success story. Born into extreme poverty he rose from the log cabin of his birth to become a leading figure in the United States Congress. His love of ancient languages, literature, and mathematics led him from a respected teaching position to the legal profession before the onset of the war. Garfield loved books and he loved ideas. Unlike so many intellectuals he could convey those ideas readily to an adoring public.

When the Republican Party came together in 1880 to nominate a presidential candidate the party was locked in a political battle between two equal factions. Thirty-three ballots were posted without a clear majority for any candidate. Garfield was not a candidate, but delegates began to whisper his name. The thirty-fourth ballot had nine votes for Garfield. By the thirty-sixth ballot a tidal wave of votes elected Garfield their candidate over his own personal protest. He went on to win

the Presidency that fall.

Charles J. Guiteau shot President Garfield, but his bullets missed any vital spots. The first bullet went through Garfield's right arm, the second into his back. Garfield returned to the White House, where he was expected to recover. Even though nurses like Clara Barton had stressed cleanliness in field hospitals during the Civil War, fifteen years after that tragic conflict our leading doctors ridiculed the antiseptic approach first introduced by

England's Joseph Lister. Doctors put his life almost immediately in danger when they probed the wound in his back with unwashed fingers and utensils.

The whole world turned its attention to President Garfield's welfare. In Man-Kansas, hattan. Dr. Eliphalet L. Patee reacted with understandable alarm. Patee had considerable experience with bullet wounds. He served as a surgeon in the Second Kansas Volunteer Infantry. Perfecting his skills, Patee eventu-

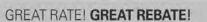
ally became medical director for General Blunt's army.

The day after the shooting of the President, Patee penned a letter to Mrs. Garfield advising her not to allow anyone to probe the wound. "Probing generally does more harm than the ball." Aware of Lister's procedures, Patee counseled Mrs. Garfield to sterilize the wound with carbolic acid. Unfortunately, she was overwhelmed by the uninformed directing physician, Dr. D. Willard Bliss, who scorned the idea of dangerous un-





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Water quality video showcases corn farmers efforts to conserve and grow

seen germs. For that contempt Bliss gained a severely infected hand when he accidentally cut himself on an unclean scalpel. After weeks of treatment. President Garfield died from extreme infection on September 19, 1881.

The trial for Charles J. Guiteau lasted two months. He was found guilty and hung on the date recorded on Devil's Tea Table. In the end, the President's doctor was the killer, not Guiteau. Regrettably, the president would certainly have lived had they listened to a Kansas doctor who had perfected his vocation on The Way West.

"The Cowboy," Jim Gray is author of Desperate Seed: Ellsworth Kansas on the Violent Frontier and also publishes Kansas Cowboy, Old West history from a Kansas perspective. Contact Kansas Cowboy, Box 62, Ellsworth, KS 67439. Phone 785-531-2058 or www. droversmercantile.com.

Water issues are always at the forefront of a farmer's mind. To help corn farmers learn ways to enhance water quality on their farms, the National Corn Growers Association (NCGA) offers a video and an interactive educational module regarding water quality management.

The video, titled "Driving Change," showcases NCGA members describing practices they are implementing to enhance water quality on their farms and in their area. Kansas Corn Commissioner Ken Mc-Cauley, White Cloud, is one of the farmers featured on the video. The 30-minute Water Issues Learning Module was developed to help farmers better understand water quality issues and best practices.

The Kansas Corn Commission has been involved in water quality and water

quantity efforts since it was created in 1977. Through corn check-off program dollars, KCC has funded projects including research-based Best Management Practices for atrazine, irrigation with limited water, irrigation practices with drought-tolerant varieties, vertical tillage, irrigation efficiency and no-till practices. The KCC funded projects are through Kansas State University, which uses the research to improve farming methods to help growers manage water quantity and improve water quality.

on NCGA board and action receive from rainfall. teams have led the effort to improve water quality and water quantity, according to McCauley who is cochair of the National Initiative for Sustainable Agriculture and featured as a speaker in the NCGA video.

In the video, McCauley explains how NCGA's media efforts have helped bridge the gap between those who understand production agriculture techniques and those who may not. He pointed out that even non-irrigated corn farmers are careful to

"We think of water man-

agement a lot this time of year because it's getting dry," McCauley said. "If you manage the soil moisture you are managing water the same as a person who irrigates."

The NCGA video and its other online tools reveal the major benefits in using best management practices and stress the importance of becoming knowledgeable about issues related to water quality and use at local, state and regional levels. It also helps farmers learn regulatory requirements and under-

stand key elements of the Clean Water Act.

"The video developed by NCGA shows water quality and quantity production practices our growers are using," Kansas Corn Communications director Sue Schulte said. "The learning module is an excellent tool for farmers and others who are interested in water issues on the farm."

The 16-minute video can be seen at www.you tube.com/watch?v+VyXje DIg N8E.com. The entire Water Learning Module can be found at: water.

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Page 8



Lame Horses

You can see it if you're on the ground and you can feel it if you're on their back. A lame horse is something to worry about if you're the owner, the rider or the person in charge of the animal's welfare. It can be debilitating to the horse and may leave you walking on your own two feet.

Lameness comes in many forms and has a multitude of causes. Sometimes just trimming an animal's hooves causes them

to walk with a limp if too much sole was trimmed. Fresh trimming without shoeing leaves the sole more exposed and can lead to bruises. A nail misplaced through the sole of the hoof is painful and will cause lameness. Pulled muscles, bowed tendons and sore shoulders all can be reasons for lameness. There are almost as many reasons for lameness as there are parts of a horse.

If your horse has a limp to his gait, you need to rec-

ognize which leg is causing the problem. The problem may not be caused by a leg. It can come from a shoulder or the spine but the horse will usually favor a leg and that can help you find the problem or at least give you a clue where to look. First you have to determine which leg he is favoring.

Head bobbing is a sure sign of a lame horse. He's bobbing his head in an attempt to take the load off the affected leg. There is a way to determine which leg is affected by watching which leg strikes the ground when the head bobs down or up.

Have someone walk or trot the horse towards you. A sore foreleg will hit the ground when the head bobs up. The horse will try to keep his weight off the

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sore leg. When the sound leg hits the ground, he will bob his head down in an attempt to shift his weight to the sound leg. He may take a shorter stride on the sore leg.

His head bobs down when a sore hind leg hits the ground. When a helper walks the horse away from you, the hip of a sore hind leg will rise up when the sore leg hits the ground. He may shorten the stride on the sore leg. When standing at rest he may be reluctant to put weight on the sore leg. He may also drag the toe of the sore leg when walking or trotting. Once you determine which leg is sore, do a thorough examination of that leg looking for wounds, swelling or other abnormalities. If you're not comfortable trying to determine the problem or to cure it, as always, call your vet.

I once had a mare go lame while I was riding her. I immediately stopped and dismounted. I figured out what leg was bothering her and examined it. She had stepped on a wire staple and it imbedded deep into her sole. I used the pliers on the Leatherman tool to pull the staple out of her hoof. That was no easy chore to pull that staple. It gave me an idea of the strength of the sole of a hoof. Consider how much weight the hoof has to support and you'll realize how sturdy the hooves must be.

Wire cuts are always a nightmare. If they are deep and have possibly cut tendons or ligaments, call the vet and hope for the best. Barbwire is great for cattle but horses can have a hard time with it.

If you are headed for a long trip in the mountains and have room in your saddlebags, it can be helpful to carry a few farrier tools in case your horse pulls a shoe. Rocky country has a way of sometimes pulling a shoe off easier than a farrier can with his tools. A horse with a missing shoe can bruise his sole and come up lame leaving you leading your horse home and wishing it wasn't so far to the barn. Once was enough and I learned to take a few nails, a nail

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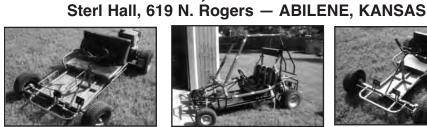


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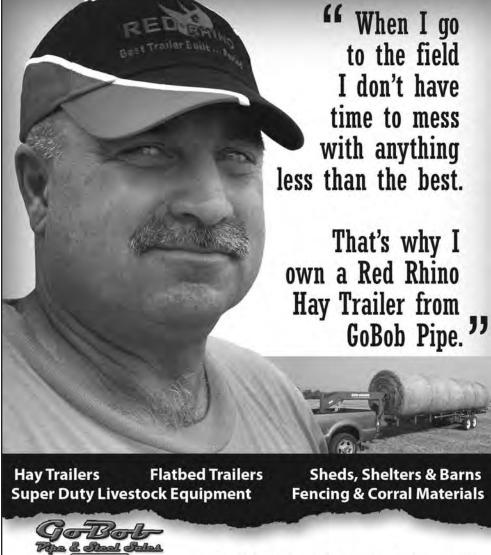
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There's several boots available and they are pretty tough. Prices range from \$20 to \$60 or more. A decent emergency boot

has heavy duty construction, skid resistant bottoms and most come with Velcro closures for easy on and off. They're lightweight and provide comfort for a horse that has a hoof problem or has lost a shoe. They will get you home and if you have one along when an emergency arises, you'll be able to provide your horse with a more comfortable trip home. Think about how you would feel if you were barefoot with a sore toe or ankle and had to walk 20 miles home on rocky ground. Now relate that to your horse with a problem hoof and you will realize how important that boot could be.

Contact Ralph Galeano athorseman@horsemanspress.com or www.horse manspress.com

Page 9 **Brownback and Roberts to attend** Ag Day at Kansas Wheat Festival

Kansas Gov. Brownback has proclaimed the long-running Wellington Wheat Festival as the state's official Wheat Festival, which will run July 10-14. Combines, tractors, farm equipment, government officials and hundreds of vendors will fill downtown Wellington and he Wellington Memorial Auditorium on Friday, July 12th during Larry Steckline's Ag Day, to be held as part of the Kansas Wheat Festival.

Brownback will speak at Ag Day on the Kansas agricultural economy. Roberts will appear live, via satellite from Washing-

Sam ton, D.C., to discuss the new farm bill. Other speakers will present current information on estate planning, grain and livestock predictions, and farmland price projections.

> Entrance to Ag Day and lunch are free with a coupon from event sponsors. See KWLSradio.com for a list of sponsors. Lunch entertainment will feature a concert by country artist Marty Haggard in a musical tribute to his father, the legendary Merle Haggard. The Ag Day luncheon and concert are being presented by Impact Bank.

Larry Steckline's Ag Day is making its first return appearance in several years. Shelley Hansel-Williams, executive director of the Wellington Area Chamber of Commerce said, "Larry Steckline was looking for a venue to start up his Ag Day event again ...and we were looking for

someone to take on the Ag Expo. It's kind of like having a festival inside of a festival."

A limited amount of booth space is still available and can be reserved by calling 316-945-1079. Larry Steckline's Ag Day will be 9 a.m. to 3 p.m. on Friday, July 12th.



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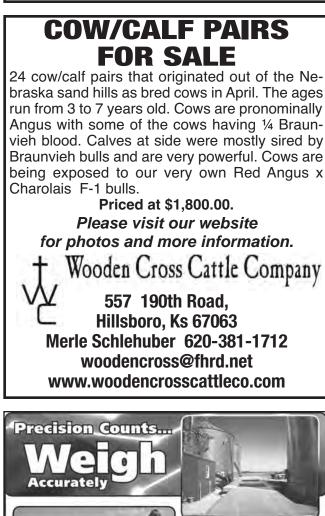
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Contact Victor Chanc Harris 785-554-5771 Three separate Hay Ground tracts available, purchase one or all three. 22 Acres m/l, 70 Acres m/l, 40 Acres m/I - all within close distance to each other in Jackson County, KS.

Contact Diana Rieschick 785-364-0267 **70 Acres m/l**, 5 bedroom homestead with hunting lodge potential. 56 acres m/l in WRP (wetlands). Located in Jefferson County, Kansas.

Contact Victor Chanc Harris 785-554-5771

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SHOP ITEMS

Small electric portable air com-pressor, 5 HP, 20 gallon; floor jacks; jack stands; various shop benches; Gray 2T air lift jack; chain hoist; come-a-longs; Ridgid pipe threaders w/dies; Ridgid pipe cutter; assortment of drill bits; large taper shank; small shop vac; miscellaneous bolts, nuts and screws; Buffalo

MISCELLANEOUS ITEMS

Various rods and reels: tackle boxes w/tackle: coolers: wood planes; different size ladders; appliance dolly; 2 small pull type discs, 1 tandem, 1 single; 2 pull type pickup trailers; 1,000 gallon fiberglass tank; small fuel tank and stand; Briggs & Stratton 3 1/2 HP transfer pump w/2" pump; lots of kids bikes; several piles of misc. scrap iron; Nordic Track elliptical machine; Wurlitzer Omni 4000 keyboard computer, needs capacitor.

OILFIELD TOOLS & MISCELLANEOUS Several stems; 1 bailer; 2 sand pumps; swedge; 5-7 chainover; bull horns.

AUCTIONEER'S NOTE: Lifetime accumulation. Lots of items May run 2 rings part of the time. BE ON TIME, sale will move fast. Statements made day of sale take precedence over printed material. TERMS are Good Check or Cash. Everything sells as is, where is with no guarantee. Not responsible for theft or accidents. Concessions & Restroom available.

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- **Auction Sales Scheduled**
- Online bidding open yard & garden equip., metal carts, air compressors, air tools, toys, backpacks, t-shirts & more (www.lindsayauc tions.com). Checkout July 12 at Eudora, KS. Auctioneers: Lindsay Auction Service, Inc.
- July 2 2 BR 2 BA manufactured home on 2 lots with utility building at Council Grove for Droge Property. Auctioneers: Gannon Real Estate & Auctions.
- July 3 Tractors, trucks, grain trailers, harvesting, tillage, planting, livestock equip. & more online (www.bigiron. com). Auctioneers: Stock Auction Co.
- July 6 Go-Carts, antiques, furniture & misc., shop, yard, tools & misc. items at Abilene. Auctioneers: Ron Shivers Realty & Auction Co.
- July 6 Military collectibles at Topeka. Auctioneers: Whitmore Thunderwood Auction.
- July 6 Jet Skis, fish & ski boats, trailers, campers & more at Wichita. Auctioneers: Newcom Auction.
- July 6 Antiques, antique

- dishes, household, lawn July 8 Tillable land & & garden, garage items, toys at Wamego for T. Leroy & the late Betty Stewart. Auctioneers: Murray Auction & Realty.
- July 6 antique furniture, furniture, antiques, primitives, collectibles, tools, misc. household at Smith Center for Alice & the late Jerry Lee. Auctioneers: Wolters Auction & Realty.
- July 6 Southwest jewelry collection, turquoise, silver & more at Manhattan for Dr. Jean Sloop Estate. Auctioneers: Gannon Real Estate & Auctions.
- July 7 Furniture, collectibles & coins at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.
- July 7 Coins, antiques, collectibles, furniture, appliances, mower & misc. at Council Grove for Belle Scott. Auctioneers: Hallgren Real Estate & Auctions, LLC.
- July 8 Marion County cropland (near Hillsboro at Hillsboro for Lucy Spohn. Auctioneers: Leppke Realty & Auction.

- homesite (W. of Salina) at Salina for Lowell Milleson, Evelyn Milleson Nobles, Megan Milleson, Alyxis Milleson. Auctioneers: United Country Theurer Auction & Realty, LLC.
- July 8 Ottawa County real estate at Wells for Jack Smith Estate, Auctioneers: Bid-N-Buy Realty.
- July 10 Johnson County, Nebraska premier pasture land at Tecumseh, Nebraska for Norm & Connie Baum. Auctioneers: Speckmann Realty & Auction Service, Inc.
- July 10 Tractors, combines, farm equipment, trucks, all types of equipment online (www.big iron.com). Auctioneers: Stock Auction Co.
- July 11 Butler County land & personal property at Rosalia for Estate of Helen J. Bender, etal. Auctioneers: Sundgren Realty, Inc.
- July 12 Skid loader, fans, blades, tools, parts,

welders. scaffolding, tools, lumber, electrical supplies & more at Minneapolis for assets from DR&P Service. Auctioneers: United Country **Blomquist Auction**.

- July 13 Antique glassware, antique pottery, furniture, dolls & accessories, clocks & much more at Greensburg for Helen P. Farney, et al. Auctioneers: Scott Brown Auction & Real Estate.
- July 13 Personal property near Beattie for Larry & Ginny Zidek. Auctioneers: Olmsteds & Sandstrom.
- July 13 Tools, bricklaying equipment, guns & antiques at Auburn. Auctioneers: Swift-N-Sure Auctions.
- July 13 Furniture, appliances, coins, dishes, glassware, collectibles, automobile, gun, advertising signs & misc. at Junction City for Jack "Easy" Jack Welsh Estate. Auctioneers: Brown Real Estate & Auction Service, LLC.
- July 13 Shop tools & equipment, household goods, tractor, guns, misc. at Wakefield for

Patsy Joann (Mrs. Bill) Weir Estate, Dan Weir, executor. Auctioneers: Kretz. Hauserman, Bloom Auction Service. July 13 - Household, antiques, collectibles, shop items, yard & misc., 4wheeler, tractor, loader, car at Hamilton for Edwin & Glenda Long Estate. Auctioneers: Swisher Auction Serv-

ice. July 15 - Rooks County feed yard, producing minerals. cultivation, machinery near Plainville for Rooks County Feeders, LLC. Auctioneers: Farmland Auction & Realty Co., Inc.

July 20 — Prime riverfront

property SE of Oxford at Oxford. Auctioneers: JP Weigand & Sons, Inc.

- July $\overline{20}$ Acreage E. of Rose Hill at Rose Hill. Auctioneers: JP Weigand & Sons, Inc.
- July 20 Tractors, combine, skid loader, auger attach., machinery, stock trailer, ATV trailer, livestock supplies, tools & misc. at Beatrice, Nebraska for Verdis "Verdi" Zimmerman Estate. Auctioneers: Jurgens, Henrichs, Hardin.
- July 20 Land, old machinery, antiques & misc. NE of Leonardville for Fern F. Berggren Estate (Mrs. Robert). Auctioneers: Clay County Real Estate, Greg Kretz & Gail

UNITED COUNTRY **BLOMQUIST REALTY & AUCTION** FRIDAY, JULY 12 – 10:00 AM LOCATION: INTERSECTION OF OTTAWA ST & N 3RD ST **MINNEAPOLIS, KS**

Assets from DR&P Service, Minneapolis Ks. Several Aero & Dempster Heads; Skid Loader, attach.; Post hole Digger; Collection of fans blades, towers; also parts, tools, welders, pipe, Scaffolding, Mast pipe posts, chain hoists, blocks, generator, compressor; dimensional lum ber; new & used bolts, wiring & electrical supplies; hand tools. See last week's Grass & Grain or

Visit www.unitedcountryks.com for more information. ERIC BLOMQUIST, Owner/Broker/Auctioneer Country **United Country Blomquist Realty & Auction** 712 S. Ohio Street, Suite A, Salina, KS 785-833-2222





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DEMAND IS HIGH! We need your equipment of all types! CALL TODAY 785-828-4476 or cell: 785-229-2369 Visit us on the web: www.HarleyGerdesAuctions.com 83 +/- AC TILLABLE & HOME SITE WEST OF SALINA, KS AUCTION: Mon., July 8th, 7pm AUCTION LOCATION: Ramada Inn, 1616 W Crawford, Salina 83 +/- Ac located west of Salina offered in 2 parcels: 77.6 ac tillable & 4.6 ac potential home site w/older outbldgs & rural water meter; N/2 SW/4 Sec 6-T14-R3W; possn after 2014 wheat harvest; seller retain 2013 wheat crop; selling surface rights only; 2012 taxes: \$593.50 Lowell Milleson, Evelyn Milleson Nobles, Megan Milleson, Alyxis Milleson, Sellers Auction Manager: Curt Marshall 785.826.0824 Cunitry Additional 620.326.7315 Theurse Auction/ available at: www.uctheurerauctions.com UCTheurerAuctions.com

auction

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118.5 ± ACRES PRIME RIVERFRONT PROPERTY SE OF OXFORD, KS

PASTURE & WILDLIFE HABITAT AUCTION

For: Kobetich Family Trust 202 acres m/l Clay County, Kansas

MONDAY, JULY 22, 2013 10:30 AM @ Community Center in Longford, Ks

138 ac pasture w/spring water, 44 ac crop, 8.5 grass hay, balance deer, turkey, quail habitat with possibly additional hay ground development.



Announcements at auction take precedence over all other information whether verbal or printed.

Hill Realty & Homestead Realty & Auction are agents of the sellers only!



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ANTIQUE AUCTION SUNDAY, JULY 7 - 10:00 AM Auction will be held in Kenwood Hall at the Saline Co. Expo Center 900 Greeley in SALINA, KANSAS

FURNITURE

Oak sow belly kitchen cabinet; oak high back bed; oak dresser; love seat; marble top dresser: fireplace mantel: Wood King 2600C parlor stove; modern leather couch.

COLLECTABLES & COINS Coke school crossing stop sign on cast iron base w/wheels; lady cast iron door stop; Murray pedal station wagon; riding horse; crocks; JC Stevens 12 ga; Remington 12 ga 1148; Stevens 87D 22; fishing poles, bamboo rod; granite pieces; 30th anniver-sary Sister Out Door quilt; Angel collection; Precious Moments dolls: Salina advertising pieces; Lone Ranger medal; Zippo lighters; WWII Boyce canteen & war bond poster; lead toys; Worlds fair souvenirs; 3 Merrick's spool cabi-

net glass panels; 1970's John Deere ladies bike; pocket knives; wood boxes; kitchen items; cream cans; base ball bats inc.: Roger Maris: base ball cards; Marx 4205 electric train; HO train set; Lionel & American Flyer train accessories; Christmas decorations; Magic Lantern slides; sleigh bells; Dazey 4 qt churn; lighting rods; wooden planes; wooden clamps; axes; molding planes; wooden levels; saws; Stanley-Bailey plane; carpenters chest full; brass fire extinguisher; marbles; 1930 mannequin; books; Coins inc.: 82 silver dollars some CC, 10k Charles Lindberg gold pc; 1928 red seal \$2, 1957 A & B silver certificate \$1, Mercury dimes, Indian head pennies, wheat pennies, Buffalo nickels, others; Tools.

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

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

Saturday, July 20 at 10:00 a.m.

Auction held at the Oxford Lions Club, 116 N Sumner, Oxford, KS. **ARKANSAS RIVER FRONTAGE - DEER - TURKEY - WATERFOWL** HUNTING - PRODUCTIVE CROPLAND - HEAVY TIMBER. 83.8 ± acres of cropland w/remaining in heavy timber. Land located at the SW/c of 11th Rd. & 172nd Rd., Oxford, KS. Great land for your hunting getaway or land investment! This is a hard to find offering & is only a short drive from Wichita.

79.7 ± ACRES EAST OF ROSE HILL, KS Saturday, July 20 at Noon

POTENTIAL HOME SITE - BLACKTOP ROAD - BROME & NATIVE GRASS - INVESTMENT OPPORTUNITY. Auction held at Rose Hill Rec Center, 400 S. Rose Hill Rd., Rose Hill, KS. Property located at 17577 SW Santa Fe Lake Rd., Rose Hill, KS. Great opportunity to purchase a quality tract of Butler County land on blacktop road! Property is cross-fenced between the brome and native grass. This land has been well maintained and would make a great home site for horse lovers or a great location for a quiet country getaway. For auction flyer, visit: www.WeigandAuctions.com.

> For auction flyers, videos, & photos, visit: www.WeigandAuctions.com.



John Rupp, ALC at (316) 262-6400 or Mike King at 316-841-4242. J.P. Weigand & Sons, Inc.

- July 20 House (in Chapman), furniture, guns, collectibles, tools & misc. at Junction City for Rodney D. Johnson & Others. Auctioneers: Brown Real Estate & Auction Service, LLC.
- July 22 Clay County pasture & land, wildlife habitat at Longford for Kobetich Family Trust. Auctioneers: Hill Realty.
- July 22 Clay County land at Clifton for Maxine Branfort. Auctioneers: Raymond Bott Realty & Auction.
- July 25 Haskell County land at Garden City. Auctioneers: United Country-National Realty & Auction.
- July 25 Haskell County land at Hill City. Auctioneers: United Country-National Realty & Auction.
- July 27 Large doll collection, possible antiques & collectibles, household furnishings, farm machinery items at Minneapolis for Pauline A. Breneman & Families. Auctioneers: Bacon Auction Co.
- July 29 Engine collection, antiques, farm machinery, tools at Washington for Leonard Koehler. Auctioneers: Raymond Bott Realty & Auction.
- August 2 Lyon County grass and home at Emporia for Henry R. Martin Auctioneers: Estate. Griffin Real Estate & Auction Service, LC. August 3 — Lonnie Wil-

son's consignment auction at Salina. Auctioneers: Lonnie Wilson Auctions.

- August 3 Harley Gerdes consignment auction at Lyndon. Auctioneers: Harley Gerdes Auction. August 7 — Farm & indus-
- trial consignments at Beattie. Auctioneers: Rottinghaus Auction.
- September 2 Harley Gerdes 18th annual Labor Day consignment auction at Lyndon. Auctioneers: Harley Gerdes Auction.
- September 21 Farm equipment consignments at Salina. Auctioneers: Omli and Asso-
- ciates. Inc. October 30 - Fink Beef Genetics annual Angus & Charolais bull sale at Randolph.
- November 2 Harley Gerdes consignment auction at Lyndon. Auctioneers: Harley Gerdes Auction.
- November 2 Sim-Angus & Simmental Bull & Cow Production Sale for Irvine Ranch at the ranch N. of Manhattan. November 9 — Farm sale NE of Clay Center for Stanley Roberts Estate.
- Auctioneers: Kretz Auction Service. November 9 — SimAngus, Simmental & Angus
- Bulls North of Wheaton for Moser Ranch 22nd Bull Sale. January 1, 2014 — Harley
- Gerdes 29th annual New Years Day consignment auction at Lyndon. Auctioneers: Harley Gerdes Auction.

Monsanto suggests sabotage in Oregon modified wheat case

(AP) – Monsanto Co. is floating the theory that some of the company's detractors may have intentionally planted genetically modified wheat discovered in an Oregon field last month.

The St. Louis-based company said in a call with reporters that sabotage is the most likely scenario partly because the modified wheat was not distributed evenly throughout the field and found in patches. Robb Fraley, Monsanto's executive vice president and chief technology officer, said that is the "pattern you would expect" if someone had dispersed the seeds.

The Agriculture Department is investigating the discovery of the wheat, which is not approved for farming in the United States. The department has declined to speculate on what caused the wheat to sprout in Oregon but has said it appears to be an isolated incident.

Fraley suggested that the culprits could be activists who have campaigned against genetically modified foods, which are engineered to include certain traits.

"It's fair to say there are folks who don't like biotechnology and would use this to create problems," he said.

Agriculture Department officials have said the wheat is the same strain as a genetically modified wheat that was designed to be herbicide-resistant and was legally tested by seed giant Monsanto a decade ago but never approved.

Japan, Korea and Taiwan have suspended imports of western white wheat from the Pacific Northwest as the USDA investigates.

Home on the Range' cabin restoration wrapping up

(AP) – Restoration work from the area. is expected to wrap up soon on a 140-year-old cabin where the state song was written

In the fall of 1872, frontier doctor Brewster Higley wrote a six-verse poem he called "My Western Home" at the cabin along Beaver Creek in Smith County. It was later set to music and became "Home on the Range."

The Hays Daily News reported that with the exception of two end walls, the cabin has been nearly completely reconstructed. It's listed on the National Register of Historic Places.

The stone wall on the north side was disassembled and rebuilt, using what good stones were left. The rest of the stones came

On the south, the oak and walnut logs were removed, cleaned, returned and then anchored to end walls using a series of nails and dowel rods. Crews will use a mix of concrete and fiberglass strands to fill in the gaps.

They're also rebuilding the roof, making a sharply higher peak to allow for a loft.

"I am totally and com-

pletely impressed," cabin trustee El Dean Holthus said of the work done so far. "I've never been involved with a restoration before."

The project costs more than \$100,000, but he said

it's well worth it. "It's going to be a new, old cabin," he said.

While the work will wrap up soon, official dedication won't be until October 2014. There's still landscaping to be done and a nature trail nearby to be completed, along with two bridges to cross Beaver Creek.

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Eventually, ownership of the cabin and a nest egg to maintain it will be turned over to an as-yet-unnamed nonprofit foundation.

"I'm 80 years old," Holthus said, ``so I've got to get as much done as fast as I can."

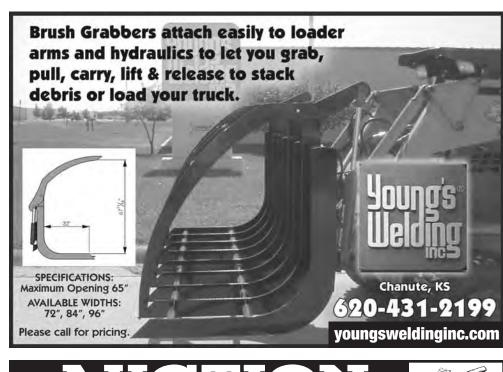
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SUNDAY, JULY 7 — 12:30 PM MORRIS COUNTY 4-H BUILDING – 612 US HWY. 56 **COUNCIL GROVE, KS**

DIRECTIONS: 1 mile east of Council Grove on US Hwy. 56. WATCH FOR SIGNS.

COINS: Sell at 12:30 PM 1864 500 Dollar Confederate Note, damaged; 8 Morgan Silver Dollars; 4 Peace Silver Dollars; 1877 seated Liberty Quarter; Silver Half Dollars, quarters & dimes; V nickels, nice selection of Indian Head & Wheat pennies. For a complete list go to: www.hallgrenauctions.com

ANTIQUE & COLLECTIBLES String of vintage buttons including 1851 Goodyear, military, confederate, swirl back, china union Scroville picture lady; oak bound steamer trunk with tray; Western #2 churn: Lever Butter Worker & mold, unique; small

toy chest; various linens; several quilts; vintage postcards, valentines & books; Montgomery Wards wood box & catalogs; 33 records; brass sleigh bells, 6ft; doll furniture early 1900's; costume jewelry; Civil War tin plates; vintage X-mas ornaments; large selection sheet music early 1900's; vintage ladies clothing, shoes & eye glasses; various stamps.

FURNITURE & APPLIANCES Walnut drop front secretary; oak parlor table; walnut nursing rocker; oak wall mirror; oak occasional table & chair: water fall front chest of drawers; oak side

BELLE SCOTT

maple drop front secretary; sofa; maple bedroom set, full size bed, dresser & mirror; sewing machine in maple cabinet; metal patio chair & glider: Maytag washer & dryer; small chest type freezer; Sylvania 27" color TV; small desk. MOWER & MISC.

chair: 2 needlepoint rockers: oak

medicine cabinet: full size bed:

Dixon zero turn mower, 32" deck runs good; Mosberg 22 rifle, lever action; 10ft. windmill; concrete yard art; card table & chairs; shelving; various kitchen & household items; misc. tools.

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If Cows Could Talk

deliberate."

Neil and his wife were young Alabama cattle farmers. He was very attentive to his stock, subscribed to many livestock publications, kept up on new management practices and was always in a hurry. Jenny was a practical but kindhearted livestock person herself. Both had jobs in town.

Their first-calf heifers had started their calving season. On the evening of the 'incident', Neil had checked the heifer lot and found one of the thinner ones in labor. After supper he and Jenny drove out to

"If you are in a hurry, be have a look and see how her parturition was progressing. Lo and behold, the heifer had twins! One of the calves was standing but the smaller one was laid out on the ground. It wasn't moving and somehow didn't look right. Neil assumed, as often happens with twins, one of the calves is born healthy and strong, while the other was born weaker.

The standing calf was trying to find his way around. Neil eased up to it, picked it up and carried it into a little panel pen with a head gate. The new mother followed and, after several minutes, the calf was sucking.

"What about the other

calf?" asked Jenny.

"He won't make it," Neil said. "He looks poorly, isn't moving, maybe didn't get his share in the womb. Besides, the heifer ain't got milk enough for two."

"Well, you can't just leave it there," she protested.

"I know best, It's nature's way, Dummy calf, These things happen, Won't make it anyhow, Better for them both, etc." he explained.

"It's just not right!" she mumbled, climbing back in the pickup and slamming the door.

Little was said the rest of the evening. She scolded him for his lack of compassion. He belligerently clung to the "some must be sacrificed for the common good" argument. It was chilly in bed that night.

Next morning at daybreak Neil climbed in the pickup and drove out to the calving lot. A good feeling arose in him when he saw the calf, head in mama's breakfast nook, contentedly nursing. Neil scanned the lot for the lost twin. For a moment he thought maybe the coyotes had drug off the body. He looked back to the new mother and spoke out loud to her, "Where did he go?"

She looked back over her other shoulder at the second twin who was nursing heartily.

"If you'd taken a moment to check last night you'd have known that the one on the ground was born first, got his colostrum, and I put him down for a nap. Then you showed up" (Or something of the sort if cows could talk).

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Kansas City Conference August 13-15 offers open dialogue on nitrogen use efficiency

This summer, agronomists, crop and soil scientists, Extension agents, economists, growers and other agricultural experts will gather at a conference in Kansas City, Missouri to discuss nutrient use efficiency and the barriers and opportunities for improving implementation.

"I'm encouraging all crop advisors to join us and some of the top nitrogen use efficiency (NUE) experts in the country, " said Cliff Snyder with the International Plant Nutrition Institute (IPNI). "This is going to be a real open exchange of ideas about the best nitrogen use efficiency practices that are out there today, including our industry's 4R nutrient stewardship strategy.' CCAs who attend the conference can earn continuing education credits.

'We know there can be a real tension between the production side and those on the environmental side at times," said Dave Mengel, Kansas State University. "What's different about this conference is we're bringing both of these sides together to share ideas, because we all want clean water, profitable farming and good yields.'

"We've located this in Kansas City so that crop advisors who work in the heart of corn production in the Midwest can attend, share their perspectives, and learn new techniques," said Carrie Laboski, University of Wisconsin, Madison.

In addition to the sessions where case studies and successes are presented, coffee and beer breaks offer informal opportunities for sharing ideas.

"One of the highlights will be a roundtable discussion that features seven experienced "boots on the ground" practitioners of various types of nu-

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trient management in crop and livestock systems,' said Ron Gehl of North Carolina State University, who will be moderating the discussion. The experts will each speak for ten minutes about their personal experiences and their reactions to the morning's presentations. This will be followed by 45 minutes of discussion among the panel members and the audience.

Invited roundtable panelists include: Laboski, Douglas Busdeker (Northern Farm Centers, Anderson Inc. Confirmed), Joshua McGrath (University of Maryland; Confirmed). Chris Mann (White Oaks Farm; Confirmed). Todd Schaumberg (Polenske Agronomic Consulting: Confirmed) and Gabrielle Onorata (International Farming Corporation).

The workshop is sponsored by the Woods Hole Research Center (WHRC), International Plant Nutrition Institute (IPNI) and The Fertilizer Institute (TFI). Co-sponsors include the Soil Science Society of America (SSSA), American Geophysical Union (AGU), and International Nitrogen Initiative (INI).

Eric Davidson of Woods Hole Research Center and Chuck Rice of Kansas State University are the co-convenors. The organizing committee includes: Emma Suddick (Woods Hole Research Center), Mark David (University of Illinois), Dan Jaynes (USDA-ARS), Cliff Snyder (International Plant Nutrition Institute), Dave Mengel (Kansas State University), Carrie Laboski (University of Wisconsin, Madison), Linda Prokopy (Purdue), Al Rotz (USDA-ARS), Jerry Hatfield (USDA-ARS), Harold Van Es (Cornell), and Ron Gehl (North Carolina State University).



Becky Conway -Chuckwagon

By Ron Wilson, director of the Huck Boyd National **Institute for Rural**

Development at Kansas State University.

A delegation of Chinese is visiting Kansas. They are having dinner with state dignitaries. Is this some formal meal at a fancy Kansas City restaurant? No, it is an authentic chuckwagon meal, prepared by historic re-enactors from rural Kansas.

Becky and John Conway are the re-enactors who provided this meal. Becky works for the annual Walnut Valley Festival in Winfield, and John is an electrician and working cowboy. But on weekends, they become what they call the Rafter JB Chuck Wagon Crew.

The Conways live in eastern Cowley County. In 1990, a friend invited them to go to the National Cowboy Hall of Fame in Oklahoma City where a chuckwagon cooking competition happened to be under way

"We met Red Steagall's chuckwagon crew, and

they were so nice to us," Becky said. The Conways got hooked on this unique enterprise.

"We have a natural love of history," Becky said. "We grew up in cow country, in the southern Flint Hills, so this was a good fit." Chuckwagon cooking was a unique way of capturing and experiencing this history.

Becky and John traveled to Texas several years to help out with Red Steagall's chuckwagons, and his crew encouraged them to try a chuckwagon cooking competition on their own. The Conways started experimenting and cooking for neighbors.

In 1993, the Conways bought a historic wagon from a neighbor whose grandfather had bought it when it was brand new in 1910. "Technically, we're the second owners," Becky said with a smile.

Wouldn't that make an interesting ad? "For sale: One used vehicle, on second owner. 113 years old." This vehicle was an au-

thentic Cooper wagon.

COM

Becky and John added a chuck box of antique wood. Using their cattle brand as the name, they started taking the Rafter JB wagon to festivals, historic re-enactments, and chuck wagon cooking competitions.

What is a chuck wagon cooking competition? It's about food, but especially about historical accuracy.

"We are judged on three things," Becky said: "Number one, the condition and authenticity of the wagon; number two, the camp and clothing; and number three, the food.'

Typically each crew is given the same ingredients and asked to prepare them.

So John and Becky set up their camps, wear period clothing, and prepare food in the classic manner using wood coals and Dutch ovens over campfires. The Conways have won many competitions through the years. The prize money essentially covers their costs. "It's the braggin' rights (that are important)," Becky said with a smile.

Most weekends from March to November, the Conways will be competing or simply demonstrating chuck wagon cooking at gatherings or festivals.

"It's a labor of love," Becky said. "Everything we prepare is from scratch." Beef, beans, and biscuits are typically on the menu, along with desserts like vinegar pie and buttermilk pie. We look for recipes that are common for the period and common for the people."

Family and history are

important to them. "My granddaughter has been rolling biscuits with me since I had to bring a box for her to stand on," Becky said. The Conways value carrying these traditions on to future generations.

Becky and John do chuck wagon meals for neighboring ranches during fall roundup. "One day it struck me that I was fourth generation and this rancher was also fourth generation, and now our kids were doing this too," Becky said. "That's why we do this," she said. "We don't have a lot of money, but we sure are rich."

The Conways have been called upon to provide these re-enactments for many groups, such as delegations from China, Russia, Hungary, and France.

"We were told that we ended up being their highlight," Becky said. That's pretty impressive for some historic re-enactors from the rural community of Cambridge, population 102 people. Now, that's rural.

It's time to leave this delegation of Chinese, who are enjoying an authentic chuckwagon supper prepared by historic re-enactors from rural Kansas. We salute Becky and John Conway for making a difference by preserving and sharing this history. They are providing their guests a taste of the old west.

Audio and text files of Kansas Profiles are available at http://www. kansas profile.com. For more information about the Huck Boyd Institute, interested persons can visit http:// www.huckboydinstitute. org.

The Grass & Grain office will be closed on Thursday, July 4 in observance of Independence Day.

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CATTLE AUCTION

EVERY FRIDAY

For our sale Friday, June 28, all classes of cattle offered were finding a very good demand at steady to \$2 higher prices on the kind offered. Cull cows and bulls were selling steady.

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ST Mark Strathman	EER CALVES —37 Goff	5-550 LBS 4 xbred	386@179.00	BU
Ryan Thomas	Clay Center	9 blk	519@177.00	Grace Flowers
Mark Strathman	Goff	6 blk		Kate Bellinger Jim Rickel
Ryan Thomas	Clay Center			JIIII RICKEI
Keenan Penning	Washington	4 blk		COWS & H
Mark Strathman	Goff	5 blk	532@168.00	Dan Hasenkamp
				Jim Rickel
FEE	DER STEERS — 55	50-1000 LB	S	Jerry &/or Chasity Rick
Luke Kennedy	Holton	7 blk	569@169.00	Terry Henry
Luke Kennedy	Holton	41 blk	669@149.00	Houck Rock Creek Rand
Neill J. Reichart	Alma	3 blk	638@139.00	Steve Murray
Luke Kennedy	Holton	7 blk	745@138.50	Irvine Ranch
Kocher Brothers	Onaga	50 herfor	d 989@127.00	Michael Dikeman
				Doug Wilkerson
	IFER CALVES — 4			Houck Rock Creek Rand
Ryan Thomas	Clay Center	11 blk	461@150.00	John Stiner
Mark Strathman	Goff	9 blk	500@149.75	Houck Rock Creek Rand
Jack Poole	Manhattan	3 xbred	461@143.00	Deters Dairy
	——— F	IELD R	EPRESEN	TATIVES — Vis
JOHN CLINE ONAGA	SAM GRIFFIN BURNS	BRENT ALMA	MILLER	ALAN HUBBARD OLSBURG

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	EIFERS — 550-600 L	PC	Stove Murrov	Alma	1 blk	1100@73.00
Mark Strathman Gof		-	Steve Murray Dan Hasenkamp	Centralia	1 blk	1270@71.25
	ay Center 7 blk	597@138.25	Cory Heiniger	Fairview		1295@71.00
		007 @ 100.20	Steve Murray	Alma	1 bwf	1040@70.00
BULLS	— 1300-2025 LBS		Deters Dairy	Baileyville		1240@68.00
	vensville 1 blk	2010@99.25	KSU AS&I Dairy	Manhattan		1635@68.00
	George 1 blk	1320@93.00	KSU AS&I Dairy	Manhattan		1890@67.25
Jim Rickel Hoy	0	1815@90.75	Craig Deters	Centralia		1190@62.50
		1010000010		Ochtalia	1 Holdtein	1100@02.00
COWS & HEIFE	ERETTES — 950-19	00 LBS	EARLY CONSIG	NMENTS FR	IDAY, JU	ILY 12TH:
Dan Hasenkamp Cer	ntralia 1 blk	950@102.00	112 Choice Reputat	tion blk strs & I	hfrs. 600-8	00 lbs.
Jim Rickel Hoy	yt 1 blk	1475@88.00	8 Choice Angus str		-,	
Jerry &/or Chasity Rickel May	yetta 1 blk	1310@87.00	e enerce / ingue en			
Terry Henry Rar	ndolph 1 chai	1895@87.00			DID	
Houck Rock Creek Ranch Alle	en 1 blk	1260@83.00	NO SA		ΠĽ	AT
Steve Murray Alm	na 1 blk	1330@82.00				
Irvine Ranch Mai	nhattan 1 blk	960@81.00	JULY	5TH D	DUE	TO
Michael Dikeman Mai	nhattan 1 blk	1490@80.00				-
0	uncil Grove 1 blk	1020@79.00		PEND	EN	
Houck Rock Creek Ranch Alle	en 1 bwf	1630@76.75		FEND		
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Houck Rock Creek Ranch Alle	en 1 blk	1555@75.25		JULY	41	
Deters Dairy Bai	ileyville 1 hols	tein 1735@75.00				
TATIVES — Visit U	s On The We	b — www.m	cclivestock.cor	n ———		_
ALAN HUBBARD MEI	RVIN SEXTON	BILL RAINE	TOM TAUL J	EFF BROOKS	BRYC	E HECK
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Grass & Grain, July 2, 2013 Kansas Hay Market Report

Hay trade slow to moderate. Demand light to moderate for dairy and grinding alfalfa, for stock cow hay, grass hay and alfalfa pellets. This past week Kansas weather was hot, dry, and windy with a few scattered thunderstorms across the state. Wheat harvest is in full swing and moving North. A bumper crop in central Kansas to nothing out in the western counties. A lot of the straw is being baled. The brome crop is excellent in most cases; however a very wide variation in prices due to quality with calf or horse quality bringing the premium prices, discounts for stock cow quality. 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/ hay andpasture/default.htm

Southwest Kansas

Dairy and grinding alfalfa steady. Movement slow. Alfalfa, Horse, small squares 350.00-400.00. Dairy, Supreme no trade; new crop a little 250.00-260.00, some delivered in 225.00-235.00, new crop contracted 180.00-205.00 standing in the field all cuttings; Heifer or Bunk hay a little new crop contracted 230.00-235.00. Fair-Good grinding alfalfa at the edge of the field, new crop 210.00-230.00 delivered in. Ground and delivered locally to feedlots and dairies, Spot 240.00-260.00, an instance 270.00, a little new crop 230.00-250.00 contracted. The week of 6/17-22, 7,302T of grinding alfalfa and 725T of dairy alfalfa were delivered. Straw, large bales 70.00-75.00, 85.00-95.00 delivered. Corn stalks 55.00-65.00, or 70.00-85.00 delivered, ground and delivered 72.00-100.00.

South Central Kansas

Dairy and grinding alfalfa steady, alfalfa pellets mixed, 5.00 lower to 5.00 higher. Movement slow. Alfalfa, Dairy, Supreme, no trade, a little new crop 240.00-250.00 out of the field; Fair-Good grinding alfalfa at the edge of the field new crop 180.00-200.00, mostly 180.00-190.00, Utility-Fair 170.00-180.00. Ground and delivered locally to feedlots, 240.00-250.00. The week of 6/17-22, 2,916T of grinding alfalfa and 690T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 275.00-280.00, 17 pct protein 285.00-300.00; Dehydrated 17 pct 355.00. Straw, large bales 55.00-70.00, Hi-density bales 65.00-75.00. Corn stalks 55.00-70.00. Grass hay, Good 120.00.

Southeast Kansas

Alfalfa, brome and prairie hay steady. Movement slow to moderate. Alfalfa: old crop, Horse or Goat, 300.00. Dairy, No trade. Bluestem: Good, small squares 140.00-160.00, an instance 190.00, mid and large squares 125.00-150.00, large rounds 100.00-135.00; Brome: Good,



Small squares 140.00-150.00, mid and large squares 130.00-150.00, large rounds 110.00-150.00, few 155.00. Grass Mulch CWF, large round 60.00-70.00. Straw, large bales 55.00-60.00. CRP, Fair, large bales 100.00.

Northwest Kansas

Alfalfa steady. Movement slow to moderate. Alfalfa: Horse, small squares 300.00, Mid squares 250.00; Dairy, No trade. Fair-Good grinding alfalfa at the edge of the field 210.00-240.00. Ground and delivered to feedlots and dairies 250.00-270.00. Corn stalks 55.00-70.00. CRP hay, large bales, Good, 125.00-150.00, Fair, 100.00.

North Central-Northeast Kansas

Dairy, grinding alfalfa, prairie hay and brome steady. Movement slow to moderate. Alfalfa: Horse, 300.00, some 9.00/small square bale; Dairy, Supreme no trade; Premium, new crop 240.00-260.00 no test but at least Premium; Utility-Fair grinding alfalfa at the edge new crop of the field, 180.00-200.00, alfalfa ground-on- the-truck old crop 235.00, Ground and delivered 235.00-260.00. Grass hay: Bluestem Good, small squares, 6.50/bale, 120.00-160.00, Mid squares 130.00-150.00, large rounds 50.00/bale, 110.00-150.00/T. Brome: Good, small squares, 7.00/bale, 130.00-160.00/T, Mid squares, new crop 130.00-160.00, large round, 50.00/bale, 95.00-130.00; Grass mulch, large round 60.00, CWF large round 100.00/ bale. Straw, small squares 3.50-4.00/bale; large bales 60.00-65.00/T or 70.00-80.00 delivered.

***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 24 hour price information (620) 369-9311; www.ams. usda.gov/mnreports/DC_GR310.txt; www.ams.usda.gov/lps marketnewspage.

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





CTI invited their customers to a "Meet and Greet Reception" with Gov. Sam Brownback recently at their Concordia headquarters. Brownback was there to tour CTI and Harley Adams, CEO, planned to demonstrate a John Deere 8360R, which he called the "largest row crop tractor on the planet" for the governor, and was looking forward to showing him the auto-steer as well. Photo by Amy Hadachek.



Britt Michaelis, Wabaunsee County, exhibited the overall champion market steer at the Wabaunsee County Spring Livestock Day. She was also the reserve champion intermediate showman.



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Grass & Grain, July 2, 2013

Growers Edge announces 2013 Prevented Planting Guidelines Handbook available on Facebook and Twitter

There has been a lot of concern this spring about prevented planting for the 2013 crop year due to the wet field conditions. To help explain the prevented planting claim procedures, Growers Edge has developed the 2013 Prevented Planting Guidelines Handbook.

"With record rainfall amounts occurring during the planting season, farmers are worried they won't

be able to replant, if necessary, this year," said Craig Mouchka, president of Growers Edge. "We created easy to follow flow charts to help farmers better understand the prevented planting decision-making process.'

The 2013 Prevented Planting Guidelines Handbook is available to growers via Facebook and Twitter. Utilizing Facebook and Twitter allows Growers

Edge to be actively engaged with their users and allows farmers to stay up-to-date with what's going on in agriculture.

Growers can access the Handbook via the Growers Edge Facebook page and Twitter account:

Facebook link: www. facebook.com/MyGrowers Edge?fref=ts.

Twitter link: https://twit ter.com/growers_edge.

Growers-edge.com pro-

vides farmers a one-stop resource for their business and marketing needs for free. To date, more than 21,000 farmers are using growers-edge.com to help enhance their profits. For more information, and to sign up for the My Weather Report and other free features from Growers Edge, go to www.growers-edge.com or download the Growers Edge app which is available from Google Play and iTunes.

the human genome.

Once the researchers

narrowed the list of candi-

date genes, they used two

complimentary approaches

to find the Sr35 gene. First,

they chemically mutage-

nized the resistant acces-

sion of wheat to identify

plants that become suscep-

tible to the stem rust

knocking out each candi-

date gene until we found

the one that made a plant

susceptible," Akhunov said.

"It was a tedious process

and took a lot of time, but it

ed the candidate gene and

used biotechnical ap-

proaches to develop trans-

genic plants that carried

the Sr35 gene and showed

resistance to the Ug99 race

gene has been found,

Akhunov and colleagues

are looking at what proteins

are transferred by the fun-

gus into the wheat plants

and recognized by the pro-

tein encoded by the Sr35

gene. This will help re-

searchers to better under-

stand the molecular mecha-

nisms behind infection and

develop new approaches for

controlling this devastating

Now that the resistance

of stem rust.

Next, researchers isolat-

was worth the effort."

"It was a matter of

pathogen.



Pottawatomie County exhibitor Joelle Sylvester showed the champion overall market goat as well as the reserve champion and third place overall market goats at the Wabaunsee County Spring Livestock Day. She was also tapped as the reserve senior showman.

FARM & REAL ESTATE AUCTION SATURDAY, JULY 20 - 9:00 AM

Due to death we will sell the following items at public auction at the farm located from Leonardville, Kansas 1/4 mile east and 1&1/2 north to 11979 Crooked Creek Rd.

REAL ESTATE - SELLS AT 1:00 PM OPEN HOUSE: JULY 14TH FROM 2:00 UNTIL 4:00

TRACT 1: The E2E2 of Section 3-8-5, Bala Township, Riley County, Kansas. This tract consists of 153.62 acres according to FSA records. There are 103.78 acres of cropland which includes 4.01 acres of waterways. The cropland is mostly Class III soils with small er areas of Class I and Class IV. The balance of the tract is pasture, meadow, trees and building site. The building site includes an older 1&1/2 story home with 3 bedrooms and 1440 square feet of living area. The farmyard has several older barns and sheds. The house is in good condition but has no potable water. Water was hauled in when last occupied. This farm is well located about a mile from Leonardville with a full mile of frontage along paved Highway 875 (Crooked Creek Rd.). Commuting time from Manhattan and Ft Riley/Junction City is 25 minutes more or less. 2012 property taxes were \$1,789.80.

TRACT 2: The S2SW4, NE4SW4, NW4SE4 of Section 17-7-6, Jackson Township, Riley County, Kansas consisting of 157.99 acres according to FSA records. There are 54.58 acres of cropland, approximately 20 acres of meadow, the balance is pasture which is full of large trees providing excellent wildlife habitat. The cropland includes 38.01 acres of Class I & II creek bottom soils and 15.86 acres of Class III and IV upland. This farm is located from Randolph Kansas 1/2 mile north and 1 mile west on Highway 378 (Green-Randolph Rd.) and has 1/2 mile blacktop frontage and 1/4 mile good gravel road along the west property line. Part of this tract is under Tuttle Creek easement. Please use caution when viewing this prop erty as Copperhead snakes have been found here. Exit your vehi cle at your own risk. 2012 property taxes were \$537.16.

TERMS: 10% down day of sale. Balance due in thirty days or upon delivery of a merchantible title. Title insurance and escrow fees to be paid 1/2 each by seller and buyer. Seller to pay 2013 and all prior years property taxes. New buyer to pay 2014 taxes. Don Nelson is the current tenant and the farms are sold with his rights to harvest the 2013 wheat and soybeans. The hay crop to be retained by the tenant and should be removed from property prior to closing. Landlords' share of crop proceeds to be retained by the seller. New buyer shall get possession of al of Tract 2 at the time of closing. New buyer of Tract 1 to receive pos-session of soybean ground at the completion of fall harvest and all else at closing. Contract, deed and down payment to be escrowed at Charlson & Wilson, 1213 Hylton Heights Rd., Manhattan, Ks, 66502. The auction firm is working for the seller. This property to sell as is to the highest bidder sale day. Announcements made sale day to take prece dence over printed matter. Not responsible for accidents.

MACHINERY, ANTIQUES, HOUSEHOLD & MISC. SELL AT 9:00 1950 Chevy 6400 farm truck with 13&1/2ft. bed & stock racks; Farmall H NF tractor w/nearly new rears & loader w/manure bucket; Allis Chalmers WD45 tractor; Allis Chalmers WC tractor; snap coupler 3 bottom plow; 9ft. disk w/hydraulic lift; Monitor 12 hole drill; another old drill; 2 sickle mowers, one is balanced head; 2 old manure spreaders: 2 row cultivators: 7ft. duckfoot: 2 row weeder: 1 & 2 row lister; horse drawn cultivator; 2-4 wheel gears w/hay & grain beds; narrow grain trailer on Whippet gear; old 4 wheel wooden wagon; ant. wagon frame; wooden & steel wagon wheels; loading roller mill; dump rakes; springtooth; narrow ZTR mowers in need of repair, one is model #428; old push mow ers; 2 wheel trailers; corn binder; dirt scoop; 300 gal. tank on stand; 4 & 5 ft. stock tanks; hog tank; mineral feeders; possible other livestock equip.; 4" auger; ladders; bench grinder; tools; oil; new & used barbed wire; T posts; 1,800 hedge posts; old hay; firewood; wain scoating; wood trim; panelled doors; screw jack; old 5G oil buckets; galv. buckets, tubs & bu. baskets; galv. bath tub; coal bucket; parlour heater; unusual cream separator & parts; cream cans; wooden medicine cabinet; wooden benches; yard gates; ice tongs; ironstone pitcher & bowl; chicken nests, feeders & waterers; egg basket; 18" factory hog feeders; pedal grinder; well pump; old trike; Coffeyville bricks; 2 single wash tubs on stands; lots of other old things & stuff to be uncovered & discovered: swing set: spaghetti iron beds: antique double curved glass china cabinet w/claw feet & top mirror; blonde BR set w/dbl. bed, dresser and chest of drawers; set of bunk beds; velour floral sofa; brown recliner; coffee & end tables; floor & table lamps; lg. chest freezer; older Maytag washer & dryer; microwave; grey & chrome table w/6 chairs; old record player; upright vacuums; exerciser; misc. household goods.

Scientists discover gene that gives wheat resistance to deadly wheat stem rust pathogen

The world's food supply got a little more plentiful thanks to a scientific breakthrough.

Eduard Akhunov, associate professor of plant pathology at Kansas State University, and his colleague, Jorge Dubcovsky from the University of California-Davis, led a research project that identified a gene that gives wheat plants resistance to one of the most deadly races of the wheat stem rust pathogen — called Ug99 that was first discovered in Uganda in 1999. The discovery may help scientists develop new wheat varieties and strategies that protect the world's food crops against the wheat stem rust pathogen that is spreading from Africa to the breadbaskets of Asia and can cause significant crop losses.

Other Kansas State University researchers include Harold Trick, professor of plant pathology; Andres Salcedo, doctoral candidate in genetics from Mexico; and Cyrille Saintenac, a postdoctoral research associate currently working at the Institut National de la Recherche Agronomique in France. The project was funded by the U.S. Department of Agriculture and

Borlaug Global Rust Initiative.

The team's study, "Identification of Wheat Gene Sr35 that Confers Resistance to Ug99 Stem Rust Race Group," appears in the journal Science.

It identifies the stem rust resistance gene named Sr35, and appears alongside a study from an Australian group that identifies another effective resistance gene called Sr33.

"This gene, Sr35, functions as a key component of plants' immune system," Akhunov said. "It recognizes the invading pathogen and triggers a response in the plant to fight the disease."

Wheat stem rust is caused by a fungal pathogen. According to Akhunov, since the 1950s wheat breeders have been able to develop wheat varieties that are largely resistant to this pathogen. However, the emergence of strain Ug99 in Uganda in 1999 devastated crops and has spread to Kenya, Ethiopia, Sudan and Yemen, though has yet to reach the U.S.

"Until that point, wheat breeders had two or three genes that were so efficient against stem rust for decades that this disease wasn't the biggest concern,"

Akhunov said. "However, the discovery of the Ug99 race of pathogen showed that changes in the virulence of existing pathogen races can become a huge problem."

As a first line of defense, wheat breeders and researchers began looking for resistance genes among those that had already been discovered in the existing germplasm repositories, he said.

"The Sr35 gene was one of those genes that was discovered in einkorn wheat grown in Turkey," Akhunov said. "Until now, however, we did not know what kind of gene confers resistance to Ug99 in this wheat accession.'

To identify the resistance gene Sr35, the team turned to einkorn wheat that is known to be resistant to the Ug99 fungal strain. Einkorn wheat has limited economic value and is cultivated in small areas of the Mediterranean region. It has been replaced by higher yielding pasta and bread wheat varieties.

Researchers spent nearly four years trying to identify the location of the Sr35 gene in the wheat genome, which contains nearly two times more genetic information than





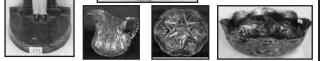
leaves & 6 chairs; matching buffet; Queen Anne sq. lamp table; 2 beveled edge wall mirrors; Kin Memory Foam bed; queen book head-board; tall boy 4 drawer dresser; 2 el. twin beds; oak baby bed; 2 Singer cab. sew machines; Grandfather clock metal works; magnetic mattress topper; bedding; quilting material; 24x30" lock cabinet; canvas paint-ings; dresser lamps; knick knack corner shelf; baskets; lidded tins; 2 rd. patio tables; small appliances; 3-110v window AC. ANTIQUES & COL-LECTIBLES: Child oak frame wicker conversion high chair/rocker; Bentwood high chair; organ stool w/glass-ball feet; 24 drawer wood cabinet from Home City Lmbr. Co.; wicker chair; Moores Air Tight oak #9014 wood stove; cane bottom pattern back rocker; oak frame for Grandfather clock; Weller 18" 1930s plant stand; few framed Holy pictures; Dolls (6+ 50 yr. old child's small w/clothes); wood rocking cradle baby cradles; 60+ year old rocking horse; Hobnail dresser lamps; C&C car coin bank; Roseville vase & others; cups & saucers; few Czech, Bavaria & English dishes; Comm. plates - 1966 Blue Rapids H.S., Blue Rapids 1970 Cent., 4 Irving St. Elizabeth Church, Beattie & Marysville BiCent; Tonka Toys - dump truck & loader; wood chicken crate; nail kegs; calf kickers; cream cans; 22 old steel impl. high wheels; steel whl sack dolly; Int'l cream separator; **TOOLS:** Lincoln 225 welder; acetylene welder; Wood Wizard 9" turning lathe; Ridgid HD pipe threader in chest; Rexon table-top jig saw; B&D chop saw; Chicago 10" compound slide miter saw; Rockwell 9" table saw; 4" bench vise; Air Inline 2 3/4" sander; Air Tools - Duo-fast nailer, stapler, power nailer for hardwood flooring; Senco stapler; C P 20 lb. sand blaster; 20' aluminum ext. ladders; 16 alum. str. ladder; PU tool box; long handled tools; scaffolding - 2 full sec-tions; Port air compressor; wrenches; socket sets; nail puller; older el. tire machine - runs & complete; Craftsman 26" metal floor tool chest; rope pulleys; barn door hinges; alum. 5th wheel pickup tailgate; Arlwin pickup topper; 88-94 Chevy PU Custom seats w/buddy; truck & car tires size 14 and up; assort. of lumber & used tin; bath tub w/o feet; iron pile; LAWN & GARDEN & ACREAGE ITEMS: Finco 14 gal. yard sprayer; Kinco 3' front sickle mower; chain saws - Sachs Dolmar 18", 2 McCulloch 12 & 16", Homelite 16", J.D. 50V 16"; Homelite HD string trimmer Roper 18 HP/50" riding mower; 1974 Simplicity 10 HP/34" riding mower; push mower; Swisher high-wheel 6 3/4 HP Trim-N-Mow; 1-row walking lister/tater digger; 7' straight single disc; 4'x2' water-filled lawn roller grass/weed burner; steel T & el. posts; roll of 7' chain length fence; 12 volt solar fencers; dog house; 4'x8' tinned & wood frame calf shed; 12+ cattle & hog panels; horse tank; hand corn sheller; 14' steel gates; dairy equip. - surge milk pail & wash tank (5'x20"); 50+ 1 1/2-2" glass pipe. Dempster windmill head w/fan; **TRAILERS:** 2 wheel It. 4x8' low flatbed 8x14' 4-wheel flatbed; 1940s Military Jeep w/F-head engine (complete but needs tune-up); other items. FOR FULL SALE BILL & PICTURES SEE WEBSITES!

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

LARRY & GINNY ZIDEK www.olmstedrealestate.com · www.marshallcountyrealty.com AUCTIONEERS:

Tim, Tom or Rob Olmsted Beattie, KS: 785-353-2487

Jeff Sandstrom Marysville, KS: 785-562-3788



CATALOGED ITEMS: Approx. (40) lots Nippon incl. Chocolate pots & sets, bowls, vases & more; Approx. (40) pcs. old Carnival Glass; Handpainted porcelain incl. R.S. Prussia, R.S. Germany, Bavaria, etc; (30) Sterling Silver items; Candlewick; Depression glass; Opalescent glass; Fenton; Cut-to-clear; Approx. (15) pcs. Belleek; American Brilliant Cut glass; Pattern & pressed glass; Lalique; POTTERY incl. Roseville, Hull, Van Briggle, Frankoma, Weller, McCoy, Sleepy Eye & more; Seth Thomas mantel clock; Kerosene lamps; Small nickel Slot machine; Much more!

We also have great selection of uncataloged items we will be working in throughout the day including: FURNITURE: Polk phonograph; Vintage Parlor & dining chairs;

Antique Packard Pump organ; Ornate carved Walnut Organ converted to desk: Curved glass China cabinet: Parlor tables. 1-with claw & ball feet; High chair; Ice cream chairs; (2) Large Antique National cash registers; Antique Edison wooden store display case for postcards; Boxed lots of glassware, vintage kitchen utensils, graniteware, cookie jars; Nice selection pictures, prints & wall hang ings; Approx. (30) Dolls & doll accessories; More!

You can see photos, download catalogs, register for online bidding, and view upcoming auction info all at: www.brownauction.net HELEN P. FARNEY, etal — OWNERS



NOTE: The Berggrens have been a prominent family in this area since the early days and have been on this farm for nearly 100 years. The machinery has not been used for a long time and will be sold as is. Hope to complete the personal property portion of the sale by noon.

TERMS ON THE PERSONAL PROPERTY: Cash or good check day of sale. Not responsible for accidents.

CLERK: Sando & Johnson, P.O. Box 10, Leonardville, Ks. 66449 LUNCH: Walsburg Lutheran Church Women

FERN F. BERGGREN ESTATE, SELLER (MRS. ROBERT BERGGREN)

Auction conducted by Clay County Real Estate Greg Kretz & Gail Hauserman, Salesmen & Auctioneers Greg: (785) 630-0701 Gail: (785) 447-0686 kretzauctions.com

Animal Disease Traceability Forum to be held in Denver

March 11 of this year marked a major day for the U.S. livestock industry as that's the date the USDA's Animal and Plant Health Inspection Service's Veterinary Services final rule on animal traceability took effect. March 11 was just the start, as now all involved industry parties must be on the same page.

To that end, the National Institute for Animal Agriculture and U.S. Animal Health Association have partnered again to provide a platform where parties involved in animal disease traceability can discuss avenues to ensure success of the rule's implementation plus address possible bumps in the road and how to work through these challenges.

"Joint Strategy Forum on Animal Disease Traceability: Bringing Industry and Regulatory Leaders Together to Create Sensible Solutions" is set for Tuesday and Wednesday, Aug. 6 and 7, at the Renaissance Denver Hotel, Denver, Colo. The Forum features more than 25 speakers and moderators from across animal agriculture, plus several breakout sessions where participants can provide input and bring forth their concerns and questions.

"While we are extremely pleased that USDA APHIS listened to the voices of livestock producers when drafting the ADT rule, there's always a learning curve,' states Victor Velez, co-chair of the joint ADT Forum.

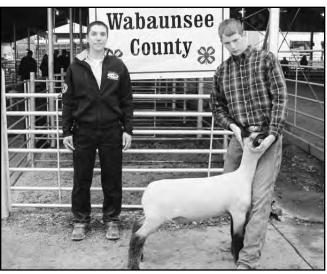
"The forum developed by NIAA and USAHA will allow for much-needed interaction between those impacted by the animal traceability ruling. It's the ideal gathering place for state and tribal animal health officials, animal producers, livestock marketers and handlers and meat processors as well as state and national livestock show officials and rodeo officials. We also encourage veterinarians and industry organization representatives to attend as they are vital to ADT outreach and education.'

Velez underscores that the end goal is consensus on consistency and harmony of ADT final rule compliance.

'We want all pieces in place and all parties involved in animal traceability in the United States fully informed to ensure a rapid response should an animal disease event take place," Velez states.

The Forum's agenda can be accessed online at www.animalagriculture.org.

To register for or to learn more about the Aug. 6-7 "Joint Strategy Forum on Animal Disease Traceability: Bringing Industry and Regulatory Leaders Together to Create Sensible Solutions", please go online to www.animalagriculture.org or call 1-800-237-7193.



Colton Allemand, Pottawatomie County, led the champion overall market lamb at the Wabaunsee County Spring Livestock Day. He was also named champion senior showman.



Survey shows increase in resistance to drug therapies among Bovine Respiratory Disease cases

By Mary Lou Peter

A survey of records of bovine respiratory disease cases at the Kansas State Veterinary Diagnostic Laboratory showed that drug resistance in one of the primary pathogens that cause BRD, Mannheimia haem-olytica, increased over a three-year period.

"We have been seeing an increase in the number of antibiotic resistant bacteria that cause pneumonia (also called BRD) in cattle," said Brian Lubbers, assistant professor in the diagnostic lab, based at Kansas State University. "Many of these bacteria are resistant to, not one, but almost all of the antibiotics that we use to treat pneumonia in cattle."

BRD is one of the most important diseases of feedlot cattle, particularly, said Lubbers, adding that the economic toll from the disease has been estimated to approach \$1 billion annually in the

United States alone, if one takes into account drug and labor costs, decreased production, and animal death losses.

Until now, one of the aspects that has not been studied very well is the cost linked to antimicrobial resistance in BRD cases, he said. To take a closer look, he and colleague Gregg Hanzlicek, also an assistant professor in the diagnostic lab, examined records of cases in which specimens of bovine lung tissue were submitted to the diagnostic lab over the three years, 2009 to 2011. Most of the cattle were from Kansas and Nebraska.

They found that over that period, a high percentage of M. haemolytica bacteria recovered from cattle lungs were resistant to several of the drugs typically used to treat that pathogen. The researchers also found, however, that no specimens were resistant to all six antimicrobial drugs.

internally by the diagnostic lab.

Using resistance to three or more antimicrobials as the definition of multi-drug resistance, 63 percent of the bacteria would be classified as multidrug resistant in 2011, compared with 46 percent in 2010 and 42 percent in 2009.

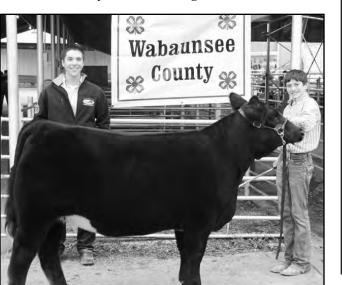
The results of the study were published by the Journal of Veterinary Diagnostic Investigation. The abstract is available at http://vdi. sagepub.com/ content/25/3/413.full.pdf+ html.

"Antimicrobial resistance in veterinary medicine has received a considerable amount of recognition as a potential factor leading to antimicrobial resistance in human medicine," Lubbers said. "However, the contribution of multidrug

The study was funded resistance to limited or failed therapy in veterinary patients has received much less attention."

> Because there are a limited number of antimicrobial drugs that can be used for treatment of BRD pathogens, Lubbers said, multidrug resistance in those pathogens poses a severe threat to the livestock industry.

> "We (KSVDL) consider this type of information to be part of our active ongoing disease surveillance and will continue this work," Lubbers said. "The questions of how these bacteria develop or where they come from, how widespread they are, and what is the impact on cattle production are still unanswered. We are actively seeking industry partners to investigate these questions."



Showing the overall champion breeding heifer at the Wabaunsee County Spring Livestock Day was Ben Nikkel, McPherson County. He was also named the champion intermediate showman.



Roper washer; Whirlpool dryer; Southwest dining room table with 4 chairs; Southwest White Lamps; chairs; loveseat; Small futon; Foyer table with mirror; Wicker bench; Misc. pottery; Misc. dressers & chest of drawers; Coffee tables; Box fans; Book Lots of sneives; age containers; White cube shelves; Town & Country mini van seat; Xerox machine; File cabinets; Misc. office supplies; End tables. **ANTIQUES & COLLECTIBLES** Iron bed; Trunk; Wood crates; Tin dollhouse; Old chandeliers; Grandfather clock that needs repair; Ornate lanterns; Tin bread box: Frames: Misc. wood tables; Crown molding; 4 Ornate claw foot chairs; Tea towels; Dresser with mirror; Antique oxen yoke; Marx Happi Time farm set; 5 gallon Redwing crock; Round oak table with 2 leaves: 40's China cabinet: Drop leaf table: Large hall tree with mirror; 12 Golden Guernsey milk bottles & milk crate. ARTIST SUPPLIES Misc. Mosaic supplies; Painting supplies; Studio easel;

art frames; Art supplies; How To Art books; Art History books; Landscape oil paintings.

SHOP & GARAGE Wagon Load of Coleman Camping Equipment; 8' Werner ladder; 6' ladder; 5' ladder; Misc. step ladders;

Little Giant level ladder; Cutoff

saw; Clamps; Lots of misc.

tools; Tool boxes; Umbrella

stand; Trellis; Utility sink; Out-

door table with 4 chairs; Lots

of shelves; Pet carriers;

Clothes line posts; Many

misc. interior painting sup-

MONDAY, JULY 8 - 10:00 AM 40 ACRES MARION COUNTY CROPLAND Sale held in the Scout House on the East side of

AND AUCTION

Marion County Fair Grounds

LAND LOCATION: From Hillsboro, 2 miles South on Indigo Road, then 1/4 mile East on 170th.

LEGAL DESCRIPTION: NE 1/4 of the NW 1/4 Section 15-20-2, Mar ion County, KS

SOIL TYPES: The majority of the soils are bottom land soil types (Ch) Chase Silty Clay Loam, (Vb) Verdigris Silty Loam and (Wb) Wells Loam

CROPLAND ACRES: The entire tract is tillable and presently planted to corn. Buyer is to receive the landlord's 2013 crop share and pay prorated portion of 2013 taxes.

AUCTIONEER'S NOTE: This is a highly productive 40 Acre tract located just 1/4 mile off of blacktop road. Very good farm land and a nice investment package.

> See www.leppke.com for terms & maps LUCY SPOHN, SELLER

LEPPKE REALTY & AUCTION * 620-947-3995 LYLE LEPPKE: 620-382-5204; ROGER HIEBERT: 620-382-2963

ESTATE AUCI SATURDAY, JULY 13 – 9:00 AM

Due to death we will sell the following items at public auction at the shop located from Wakefield, Kansas 1/2 mile west on Highway 82 then 1/2 south and 1/4 east to 1326 3rd Rd. Wakefield, Kansas,

MACHINE SHOP EQUIP. & TOOLS - SELL LAST

49 ton Metal Muncher Iron Worker; Full set of die set punches; small and large set of brake dies; Royersford heavy duty flat belt taper shank drill press with power feed; shop built taper shank flat belt driven drill made by Dexter Weir; numerous boxes of taper shank drill bits from 3/4" to 2"; Sprunger 1/2" post drill; large HD industrial 3 phase grinder; Lincoln Idealarc 300 amp AC/DC+/DC- 3 or single phase welder; huge quantity of welding rod; HD 8" post vise; Ig. tool box; variety of hand tools, wrenches, pipe wrenches, vise grips, channel locks, punches, chisels etc.; jig for sharpening plow lathes Rigid standing 8" wood planer; log chains; bolt cutters; variety of other items from well equipped machining shop.

TRACTOR, LOG SPLITTER, GUNS - SELL AT 11:00 1947 Farmall Super M with Dual loader & 5ft. bucket, rear wts., NF, runs good; Weir built "Log Hog" 3pt. vertical HD hydraulic log splitter; Stevens 12ga. single shot breakover w/short barrel; American Gun Co. of NY 12ga. side by side double hammer breakover; Long Tom 12ga. breakover; Winchester Model 1897 12ga. pump; Frigon 22 calibur model 422 long rifle only, made in China; Marlin 22 calibur; fishing poles; fishing and camping equipment.

DIRECTIONS & GENERAL INFO: From Topeka take I-70 West to Valencia Road Exit 350. Cross Valencia Rd. straight ahead on Access Rd. for approx. 3 blocks to Auction House. Parking available next door in the front lot of Carlson's I-70 Auto Auction and on the West side of Auction House. PLEASE DO NOT PARK IN FRONT OF THE HIGH PLAINS GUN SHOP. Bidding by registered number. Must show picture ID if unknown to cashier. Payment day of sale by cash or good check. Sale held inside air-conditioned facility with seating. Food ser-vice and restroom available on site. NO BUYERS PREMIUM. Not responsible for accidents or lost items. Statements day of sale take precedence over all previous written or oral information. Keep checking our website at www.whitmoreauction.com for updated listing and pictures.

U.S. Army field post office; wood and metal ammo boxes; picks; shovels; canteens and mess kits; gas mask in org. container; wood and metal foot lockers: selection of military books and training manuals; 3 sets of "Ripstop" fatigues; Nose Art photo album from Pacific Theater; new pair of jungle boots (Vietnam); 3 full cases of MRE (ready to eat meals); mili-tary blankets; 12" GI Joes still in sealed boxes; pre-war composition "Sawdust" soldiers made in Germany in the 1930s & '40s; 5 pcs. German marching band figurines; other figurines include an American General on Horseback, British

Mounted Officer & Wounded German Soldier w/Cane (all in near mint condition); die cast vehicles and tanks; Army comic books; metal truck tool box; some Trench Art; Chevrons and service ribbons; buttons; ammo belts; military related photos and pictures; 5 gal. gas/water containers; pup tent; 2 stretchers; rare ice chest; Group I mine detecting kit; leggers; flash lights: canvas bags: poncho; set of 8 pewter Naval ships w/display rack; Army swagger stick & riding crop; some ammo; unit insignias; service medals; telephone terminal set & repeater set: assorted other military collectibles.

AUCTIONEERS: Elmer Whitmore · Gary Hallenbeck WHITMORE THUNDERWOOD AUCTION 785-478-2100 • 785-232-3150

Statements made the day of the auction will take precedence over advertised statements. NOT RESPONSIBLE FOR ACCI-DENTS.

BETTY VAN OSDOL, DEE DEE SCHERER & OTHERS, SELLERS

Sale conducted by: TRIPLE K AUCTION & REAL ESTATE Kevin K. Krehbiel Bill Oswalt Auctioneer/Broker **Assistant Auctioneer** 620-585-6881. 620-386-0650 620-897-6354 www.triplekauction.com · trikauct@lrmutual.com

SEWING MACHINES & SUPPLIES - ABOUT 10:30

Adler model 167GK373 "Jukey" industrial sewing machine, will sew leather and other materials, VG; Wilcox & Gibbs blind stitch ind. sewing machine; Singer monogram industrial; Chandler Skipper boxing machine; Dressmaker Deluxe zig zag in cabinet; Drerssmaker Space Saver portable; Singer model 1120 portable with many stitch capabilities; Signature console; Mangle commercial iron; 40+ bolts of fabric; lots of other cloth; several tubs of industrial thread; lots of spools of thread; many many boxes of yarn; buckets full of buttons; new quilts; quilting supplies; bedding; Workbasket magazines.

FURNITURE, HOUSEHOLD & MISC. - SELL FIRST

Chair lift for stairs; regulation size 8 ball table and accessories; good GE washer and nearly new dryer, white; 2010 black Whirlpool side by side refrigerator/freezer w/ice and water in door; Kirby "The Ultimate" Diamond Edition upright vacuum w/attachments: nearly new queen mattress & box spring w/metal frame; nearly new dresser ant bed, complete; ant. spoon carved dresser w/mirror; dbl. curved glass china cabinet, newer; cedar chest; ant. writing desk; mission oak rocker; loveseat; easy chairs; computer desk; parlour table; various tables & stands; variety of other furniture; table lamps; kerosene lamps; lg. teapot collection of 50+; huge amount old albums, 78s, 33s, few for Victrola; huge set of Texas longhorns; old school maps from Sunny Slope school; marbles; lg. variety of nice kitchen supplies; variety of household goods & collectibles. TERMS: Cash or Good Check Day of Sale. Not responsible for accidents

CLERK: United Bank, P.O. Box 514, Clay Center, Ks. 67432 LUNCH: Clay Center Presbyterian Ladies

PATSY JOANN WEIR ESTATE, SELLER (Mrs. William O. "Bill" Weir)

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plies. SKID LOADER **ATTACHMENTS** Lowe Hyd Auger 750ch w/9" & 12"; Lowe Hyd Auger 750ch w/12"; Lowe Hyd Auger 750ch w/9", 12" & 15"; Stout Brush Grapple 66; Stout Grapple Bucket HD72: Stout Material Bucket 72; 2 Stout Hitch Receiver Plates; Stout Grapple Attachment Add-on; Stout Regular Weld-on Skid Steer Plate; Stout Solid Weld-on Skid Steer Plate; Stout Walk-Through Pallet Forks

48"; Pallet Forks 48".

Kansas State University summer intern prepares for future career in ag



The number of college students graduating with a degree in agriculture has been on the decline, but

there are nearly 8,000 job in the industry," Druffel opportunities in the ag industry for qualified candidates this year, according to the United States Department of Agriculture. Beginning in mid-May, 164 college students from across the country began internships with Monsanto Company to gain experience for future careers in agriculture.

Kansas State University student Paige Druffel will join the incoming class of Monsanto summer interns this year.

"I am looking forward to this hands-on opportunity to grow as an agriculturist and develop the skills needed for a future career

said. "My passion for agriculture stems from my onthe-farm experiences and my involvement in FFA as a state officer. I excited that I now live in the Midwest and can not only be a part of the College of Agriculture at K-State but also intern at Monsanto to experience a new level of personal growth."

For the next three months, these interns will build strong sales skills and relationships with customers by participating in team and customer call projects and completing a county market analysis. With professional guidance, they will assist the local sales team in delivering outstanding customer service, while making industry connections and networking with other young professionals.

"The 2013 class of interns represents some of the finest young agriculturalists in the nation and was chosen based on communication skills, leadership and work ethic," said Rodd Whitney, Monsanto talent acquisition specialist. "Our interns are tasked with meaningful responsibilities and share Monsanto's passion to make a better world."

The Monsanto summer internship program has been active for more than a decade, and participating in the program puts students on the inside track to a career with the industry leader. The program allows Monsanto to assess career potential, and the majority of new graduate hiring comes from its internship and coop programs. More than 70 percent of Monsanto territory sales managers began their professional careers in agriculture as Monsanto summer sales interns.

With more than 21,000 employees worldwide, Monsanto is regularly recognized as a top employer in the United States and internationally by third party companies, receiving honors including Thomson Reuters' 2012 Top 100 Global Innovators and Forbes' 2012 list of the World's Most Innovative Companies. Monsanto is an employerof-choice, and is the only agriculture company to appear on The Great Place to Work[®] Institute Inc. list of Top 25 World's Best Multinational Workplaces.

Page 17

For information about agriculture careers with Monsanto, please visit www.monsanto.com.



Hays soybean farmer honored for service to the biodiesel industry The National Biodiesel Mr. Kraus." vanced biofuel," as desig- a lot of time, energy and field services. "The award

Board (NBB) recently recognized Harold Kraus, Hays, for his outstanding efforts in advancing the biodiesel industry. Kraus has served as the primary representative for the Kansas Sovbean Commission (KSC) on the NBB for 12 years and is retiring from the position.

"Harold has been a tremendous advocate for the biodiesel industry who will definitely be missed." NBB CEO Joe Jobe said. "The industry has grown out of infancy to a billion-gallon industry due in large part to the efforts of champions like

NBB presented Kraus with a Friend of Biodiesel award June 11 at a membership meeting in Washington, D.C.

"Any time your peers pat you on the back you have to feel better," Kraus said. "When I came on board, there were 55 members. Now, we're in the hundreds. We've got a good number of people, and they're doing their job.

Biodiesel is made from an increasingly diverse mix of resources, such as soybean oil, animal fats and recycled cooking oil. It is the first and only "ad-

320 ACRES · LYON COUNTY · GRASS & HOME

nated by the Environmental Protection Agency, that is produced on a commercial scale across the United States. It is produced in nearly every state in the country and is used in existing diesel engines without modifying them. In 2012, the biodiesel industry made more than 1 billion gallons, supporting about 50,000 jobs across the country.

"From the start, the soybean checkoff has played a major role in developing the U.S. biodiesel industry, and soybean farmers like Harold have invested resources into bringing American-made, high-performing biodiesel to the marketplace," said Dennis Hupe, KSC director of

field services. "The award never can express fully the thanks that Harold deserves for his dedication to the development of the biodiesel industry."



RINGTONUTVESTOCK



CATTLE SALE EVERY WEDNESDAY: 11:30 AM SELL HOGS 1ST & 3RD WEDNESDAY OF EVERY MONTH JUNE 26, 2013



Not enough steers & feeder head cattle to test the market. Slaughter cows & bulls sold \$3-\$4 higher.

	ingliei.					
COWS		Wilsey, blk	1175@80.50	BULLS		
	Junction City, blk	1320@90.00	D'Hanis TX, rwf	1345@80.00	Council Grove, 6 bl	k 476@148.00
	Junction City, brin	1505@90.00	D'Hanis TX, brin	1335@79.75	Council Grove, 4 m	ix 623@137.00
	Council Grove, red	1480@89.00	Wilsey, blk	970@76.00	Council Grove, 3 bl	k 748@123.75
	Junction City, blk 1350@88.75		WIIsey, blk	1150@76.00	STEERS	
	Lincolnville, bwf	1085@86.25	D'Hanis TX, red	1235@75.00	Herington, 3 bmf	652@143.00
	Lincolnville, blk	1070@85.50	Wilsey, blk	1235@74.00	Lawrence, 17 blk	728@135.00
	D'Hanis TX, blk	1590@85.25	D'Hanis TX, red	1165@73.75	Galva, 37 mix	847@134.50
	D'Hanis TX, blk	1305@84.25	D'Hanis TX, red	1060@72.25	Galva, 41 mix	961@126.85
D'Hanis TX, rwf 1255@82.75		D'Hanis TX, blk	1125@71.00	HEIFE	RS	
	D'Hanis TX, blk	1095@81.50			Galva, 21 mix	836@126.00

CONSIGNMENTS FOR JULY 10TH: 62 mostly black heifers, 825-850



Buyer shall also receive the CRP annual payment of \$1,718.00. The CRP contract shall pass to the buyer, should the buyer cancel the CRP contract, the buyer

well house, along with numerous other older outbuildings. The home sits nestled in the valley along a spring fed stream with a beautiful yard, fruit trees and large shade trees.

The balance of the acres consist of 57.51 acres dryland (seeded to brome). There is 29.37 acres of tame grass and 233.52 acres of native grass, timber and creek. Of the native grass acres, 37.2 acres is in a CRP contract for 10 years. The contract started October 1, 2012 and ends September 30, 2022. The annual payment is \$1,718.00 per year.

The outer fences are average 4 & 5 wire with mostly steel posts and some hedge. The pasture is watered by a spring fed creek and a nice pond on the north side. The property is currently leased and is being grazed as one tract, other than the CRP ground.

FSA INFORMATION: Total land classified as cropland is 69.2 acres. This is all in grass and includes the CRP acreage. Bases: Oats, 6.1; Grain Sorghum, 21.7; Total Base Acreage, 27.8. The DCP program payment this year if signed up by Aug. 2nd is \$322.00.

INSPECTION: Anytime by appointment with Griffin Real Estate & Auction Service.

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

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





Email: griffinrealestate@sbcglobal.net www.GriffinRealEstateAuction.com

will be responsible for any and all penalties. The FSA payments, if any, shall also go to the Buyer. Buyer shall be responsible for the 2013 taxes. The property is sold in as is condition. Property is not sold subject to financing. The Buyer shall be responsible for making all inspections ahead of the auction. All information has been gathered from Lyon County sources and is deemed reliable but not guaranteed. All financing arrangements must be made prior to the auction. All statements day of auction take precedence over advertisements.

AUCTIONEER'S NOTE: This is a beautiful half section. The sellers say the spring water has never been dry since they have been in the area from the 1960s. Make the home your own or a rental, but either way this homesite has the Flint Hills charm.

The Sellers are giving you, the buyer, a positive start by passing the income your way. You won't have to wait long for the property to start working for you. What a winter paradise for livestock with running water through the middle and on the northeast and just enough protection from the elements. If you enjoy wildlife recreation, then this is even better. Income and deer, turkey, and game birds. What a complete package! We'll look foward to showing you the property.

Office: 305 Broadway & Auction Cottonwood Falls, KS 66845 Phone: 620-273-6421 Fax: 620-273-6425 Toll Free: 1-866-273-6421

> In Office: Nancy Griffin, Heidi Maggard

18 mix steers and heifers, 550-700 ٠ lbs.

• 60 mix, 850 lbs.

MORE CATTLE BY SALE TIME!

• 120 mix steers, 850-875 lbs.

HAVE A SAFE & HAPPY **4TH OF JULY!**

DON'T FORGET THE VIDEO AS AN OPTION TO MARKET YOUR CATTLE. VIEW OUR LIVE AUCTIONS AT LMAAUCTIONS.COM

Our Consignments can now be viewed after 12 Noon on Mondays by going to <u>www.grassandgrain.com</u> & logging onto the online Subscription.

> Farmer's Cafe Now Open: Tuesday, 11-7 · Wednesday, 6A-8P · Thursday, 6-2 785-258-2785

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Many more consignments by sale time. Call in your consignments now for maximum advertising. For more information on any of these cattle, call Herington Livestock or Bill Mathias, 785-258-0102. SEE YOU AT THE SALE!

> KFRM AM 550, Every Wed., 8:00 a.m. Barn Phone 785-258-2205 *Fax No. 785-258-3766

IF YOU HAVE LIVESTOCK FOR SALE OR APPRAISAL, CALL COLLECT. *Bill Mathias, Manager • 785-258-0102* Gary Suderman - 913-837-6785 Bob Kickhaefer • Cell 785-258-4188 Dave Bures - 402-766-3743



IN STOCK TODAY:								
1 blk	Salina	1305@83.00	11 red	Humphrey,NE	3-5 yrs	\$1,435.00		
1 red	Marquette	1340@83.50	86 blk			\$1,450.00		
1 blk	Marquette	1705@83.50	21 blk	Humphrey,NE	3-5 yrs	\$1,460.00		
1 blk	Salina	1145@84.00	16 red	Humphrey,NE		\$1,475.00		
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40 blk

65 blk

20 red

150@275.00

1495@85.00

1145@84.00

FALL BRED COWS

Humphrey NF

Humphrey,NE 3-5 yrs \$1,510.00

Humphrey,NE 3-5 yrs \$1,485.00

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 6'8"x24 GR Gooseneck Stock Trailer
 6'8"X20 GR Gooseneck Stock Trailer
 6'8"x16 GR Gooseneck Stock Trailer Half Top

 Tripp Hopper Feeders
 Heavy Duty Round Bale Feeders

NISH EVERYONE A SAFE AND HAPPY 4TH OF JULY. THURSDAY AUCTIONS WILL RESUME ON JULY 11TH.

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.fandrlive.com

Jim Crowther 785-254-7385 Roxbury, KS

1 blk

1 ywf

1 blk

Jetmore

Ellsworth

Hillshoro

COWS

Don Long 785-531-0606 Ellsworth, KS Kenny Briscoe 785-658-7386 Lincoln, KS Kevin Henke H: 785-732-6434, C: 785-565-3525 Agenda, KS

Cattle Sale Broadcast Live on www.cattleusa.com 1150 KSAL, Salina 6:45 AM –MON.FRI ******* 880 KRVN 8:40 AM – WED.-THURS. ******550AM KFRM - 8:00 am, Wed.-Thurs.

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CLASSIFIED AD D	DEADLINE IS NOON SA	TURDAY		ATES AND DISCOUN	TS	CLA	SSIFICATIONS
	address and phone number need			YOUR COST HERI	-	CATTLE	GOAT
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CATTLE	CATTLE	CATTL		CATTLE			CATTLE
OANGU	Jensen Bros.	POLLE		GRAHAM SCHOOL Graham School for livestock	ANGUS - SIM SIMMEN	AL	J & S Ranch Red Devon Cattle
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18 months, 2 year olds REGISTERED		Performa • Growth	nce	many other subjects. DATES FOR 2013	& OTHE MOST ARE CAL	-	• Bulls
ANGUS BULLS AI Sires, semen checked and		Muscle Mate		JULY 15-19 AUG 12-16	YEARLINGS & 2	YR OLDS	Heifers Semen
ready to go!	12-18 month old Polled Hereford & Hereford Bulls	• Fertility Test	Disposition ted and	OCT 14-18	RANC		FOR SALE Jim & Sandy Brashears rubyreds111@yahoo.com
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	data, EPD's, performance records. Free Delivery	Call: ANDY DET	тке	¥	tohlde62@gn	nail.com	ANGUS &
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Grass & Grain, July 2, 2013





HARMS

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August 17, 2013 October 26, 2013* December 14,2013* February 15, 2014* April 19, 2014 * to be held indoors

> SALES CASH ONLY

15% commission Check in begins at 7:00 a.m. Auction begins at 12:00 p.m. Gate fee: \$1.00 per person Fee for no sale over \$50 is commission on the bid. Birds must be blood tested on site testing (.50/bird) Bid is per animal in the cage

Cages sell with animals No boxes except for chicks.

785-410-0054 or 785-485-2845

LIVESTOCK OTHER

ANAPOLIAN/ PYRENEES livestock guard dog puppies, 10 old. 620-340-9534. 620-437-2558



FEED & SEED

ALFALFA HAY large rounds, 1st cutting, net wrap, \$170 per ton. 785-499-2860.

FESCUE HAY for sale, 1500-1700 lb. round bales. 785-224-9296 2013 WHEAT straw bales little

squares in field, \$2.50; big round, \$40 a bale in field. 785-554-6895.785-986-6357.

BROME BALES Net wrapped, 1000-1100 lbs, 90.00/T. 785-238-4807

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Duroc, Chester, York, Hamp, & Hamp/Duroc

SLEICHTER DUROC FARM ABILENE, KS 785-263-1898 785-479-6694 and 2 year old ewes. They were vaccinated, sheared, and de-wormed in June. Price depends on age of ewes, and how many you take. Prices at \$175 and up. Sell in lots of 20 or more. Also 2 Dorset bucks we used to make speckle lambs, they are from GT Dorsets from Nebraska. Bob and Teresa Berthelson, 785- 524- 3419. rdberthelson@nckcn.com.

40 PUREBRED white Dorper ewe lambs, whitedorpershawk@ gmail.com 785-212-0931.

POULTRY

4- 5 MONTH old pullets. 785-562-7122



barbed wire, welded continuous fence, pipe, custom tubs, gates, alleyways. Cell 785-313-4552, home 785-499-5454.

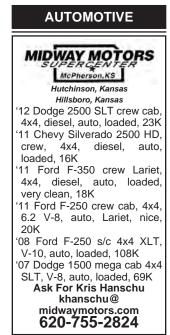
HEDGE POST for sale. 10' long, all sizes. 785-632-3071, after 5PM.



6339.

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145 AC +/- Crop/CRP/pasture combo 2 mi N of Talmage Class I & II soils. Excellent wildlife habitat. Black top frontage, priced to SELL! Call Brad!
80 Ac +/- CRP and hay meadow. Excellent tillable potential. 3 W of Oakhill on the blacktop. Call Tim!
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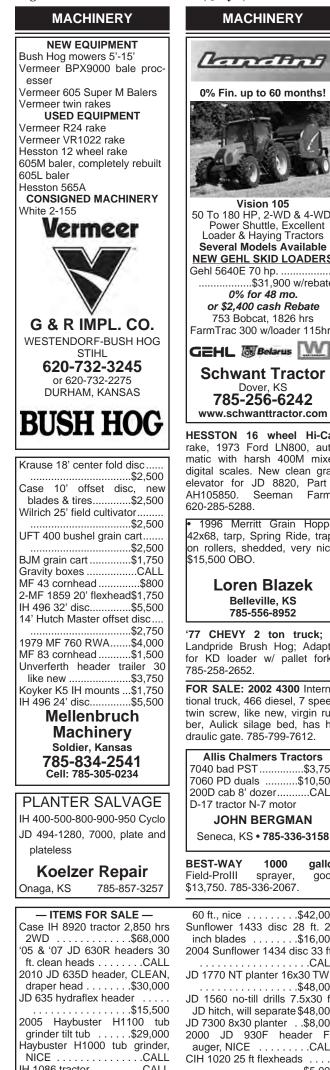
Property located in Junction City's most rapidly growing area! Seller is a Kansas licensed real estate agent. Call Ray! 160 Ac +/- creek bottom tillable, pasture, CRP with producing oil wells 4 miles S of Roxbury on the blacktop. Call Tim! PRICE REDUCED! 320 Ac +/crop and pasture combo NE DK county. 2 mi E of 15 hwy. Call Rav or Brad! 80 Ac +/- NW of Talmage. CRP with excellent tillable potential. Call Brad! 155 Ac +/- SW of Hope. New home, 40 ac timber, balance in creek bottom tillable. Call Brad! 320 Ac +/- excellent grass NE of Minneapolis. SOLD! 110 Ac +/- pasture, excellent hunting NE of Minneapolis. hunting SOLDĬ **190 Ac +/-** tillable 6 mi N of Wells. UNDER CONTRACT!

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Grass & Grain, July 2, 2013



Vermeer 605 Super M Balers Vermeer twin rakes USED EQUIPMENT Vermeer R24 rake Vermeer VR1022 rake Hesston 12 wheel rake 605M baler, completely rebuilt 605L baler Hesston 565A CONSIGNED MACHINERY White 2-155 Vermeer White 2-155 Vermeer G & R IMPL. CO. WESTENDORF-BUSH HOG	0% Fin. up to 60 months! Wision 105 50 To 180 HP, 2-WD & 4-WD, Power Shuttle, Excellent Loader & Haying Tractors Several Models Available <u>NEW GEHL SKID LOADERS</u> Gehl 5640E 70 hp	PARTS, NOT EXCUSES AbileneMachine Ag Replacement Parts Honest. Personal. Service. One of the largest retailers of new, reman & recycled parts for tractors & combines. 800-255-0337	JD 6150R JD 7230R USED TRACTORS 2012 JD 8360R 2011 JD 8335R 2011 JD 7230R 2009 JD 7430 2000 JD 7430 2006 JD 7330 2006 JD 8430 1966 JD 4020, nice COMBINES 2012 JD S660 COMBINES 2012 JD S660 2011 JD 9770 2009 JD 9670 2009 JD 9670 2009 JD 9670 2007 JD 9660 4-JD 630F 2002 JD 925F 2001 JD 925F NEW EQUIPMENT SPECIALS 2012 JD 2623 VT 26.5'	 2007 Meritt 42 ft. grain trailer 2013 XRT 1550 diesel several to choose from Parting Out JD 7720 3.9 Financing for 60 months on all new XRTs Free top and windshield OHLDE TRACTOR REPAIR 892 Quivira Road Linn, KS 66953 785-348-5766 800-546-5457 JD 630 flex header, good condition, \$15,000; Hesston 4800 4x4 baler, \$6,000. 620-344-7525. 	All, A&E, K Gleaner. 6620, 7720, 8820, 7700, 6600, 4400, 3300, 105, 95, 55, JD. 915, 1480, 1460, 1420, 815 IHC. 860, 760, 750, 510, 410, 300 Massey. Several black and or- ange Gleaner comheads. Jack Boyle Vermillion 785-382-6848 785-564-0511 We are an authorized MonTag Dealer Call 785-799-4322 or visit www.ksfarmsmfg.com
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Krause 18' center fold disc \$2,500 Case 10' offset disc, new blades & tires\$2,500 Wilrich 25' field cultivator \$2,500 UFT 400 bushel grain cart	 rake, 1973 Ford LN800, automatic with harsh 400M mixer, digital scales. New clean grain elevator for JD 8820, Part # AH105850. Seeman Farms, 620-285-5288. 1996 Merritt Grain Hopper 42x68, tarp, Spring Ride, traps on rollers, shedded, very nice, \$15,500 OBO. Loren Blazek Belleville, KS 785-556-8952 '77 CHEVY 2 ton truck; 7' Landpride Brush Hog; Adapter for KD loader w/ pallet forks. 785-258-2652. FOR SALE: 2002 4300 International truck, 466 diesel, 7 speed, twin screw, like new, virgin rubber, Aulick silage bed, has hydraulic gate. 785-799-7612. Allis Chalmers Tractors 7040 bad PST\$3,750 7060 PD duals\$10,500 200D cab 8' dozerCALL D-17 tractor N-7 motor JOHN BERGMAN Seneca, KS • 785-336-3158 	SALVAGE COMBINES ALLIS N7-6, L2, L, M, G, F2, F, CII, AII; JD 8820, 7720, 7700, 6600, 4400, 3300, 105, 95, 55; MF 860, 760, 750, 510, 410; IH 1680, 1480, 1460, 915, 815, 715, 503, 403; NH TR70-85, 1400, 995, 985, 975. SALVAGE TRACTORS ALLIS 7000-7080, 220, 210, 190XT; D17-19; JD 84-8630, 7520, 6030, 5020, 4630, 4430, 4020, 3020, 720, 730; CASE 1470, 1370, 1270, 1200, 1070, 930, 400; IH 1568, 1466, 1256, 1066, 1026, 806; FORD 4-5-6-8-9000; MF 2745, 1155, 1100, 90, 85; OLIVER 2150; MM G1000; WH2-150, 4-150. Mike's Equipment BUHLER, KANSAS 1-800-543-2535 CASE IH 955 8R30, 200 acres on complete rebuild, liquid fert, EarlyRiser monitor, excellent condition \$11,750. 785-313-6101.	Company inc 785-336-2138 Days 785-336-2138 Days 785-548-5855 Nights Visit Us At jddealer.deere.com/toddtractor Seneca, Kansas Gleaner Combines '95 R72 \$49,500 '95 R72 \$49,500 '95 R72 \$34,500 '97 R62 RWA \$56,500 '91 R60 RWA \$20,500 '83 L3 \$11,500 '81 M2 \$8,500 GRAVITY WAGONS EZ Trail gravity wagons, 230 to 400 bushel EZ Trail gravity wagons, 230 EZ Trail gravity wagons, 2400 bushel Great Plains Tillage Tools 81 Farm Eq. Service McPherson, KS.620-241-3100 1-800-357-3101 HESSTON 565A big round baler, excellent condition. 785-736-2775. <td>10 Mahindra 4035\$20500(W) 10 CIH Mag 335\$195000(GB) 10 CIH MAX125\$84000(H) 10 CIH STX 385\$196000(GB) 10 CIH STX 385\$195000(S) 09 CIH STX 385\$195000(S) 09 CIH STX 385\$189000 09 CIH STX 385\$189000 09 CIH STX 385\$184000(GB) 08 CIH Puma 165\$189000 09 CIH STX 385\$194000(S) 08 CIH Puma 165\$194000(S) 08 CIH Puma 165\$194000(S) 08 CIH PUMA 165\$194000(S) 08 CIH PUMA 165\$14500(H) 07 CIH STX305\$14500(H) 07 CIH STX305\$14500(W) 06 CIH DX33\$141000(S) 07 NH TC55 DA\$23900(W) 06 CIH DX33\$148000(W) 05 MXM120\$50500(S) 02 Challenger MT535\$43500 00 NH TC29\$14900(W) 99 CAT 85E\$95000(W) 99 CAT 85E\$95000(W) 99 LH 9200\$50500(S) 01 CIH 9240\$38500(PR) 91 JD 4255\$28500(H) 91 JD 4255\$28500(H) 93 JD 8760\$28500(H) 93 JD 8760\$28500(W) 94 JD 4555\$35000(W) 95 JD 4555\$35000(W) 96 JD 4555\$35000(W) 97 VH 9682\$28500(H) 97 JH 866\$10000(W) 77 Versatile 950\$9900(W) 74 JD 401B/ditch mover .\$4500 74 FORD 3000\$5000(PR) 64 CIH 530\$280000(GB) 11 JD 9770\$280000(GB) 11 JD 9770\$230750(PR) 11 CIH 7088\$215000(S) 10 CIH 8120\$235000(L) 10 CIH 8120\$195000(L)</td> <td>96 GP 2SF24RN\$16500(PR) 96 GP 2SF24RN\$16500(PR) 95 Krause 5215 15' NT\$14900 90 GP 3SF30\$7500(LA) (2) JD 8300 13' rigid\$7500 PLANTERS 10 CIH 1240 12RN \$79000(GB) 08 CIH 1250 24RN\$59500(W) 08 CIH 1240 16RN\$59000(H) 08 Kinz 3600 EV 16RN .\$59000(GB) 04 CIH 1200 16RN\$59000(GB) 04 CIH 1200 16RN\$50200(W) 05 CIH 1200 16RN\$50200(W) 98 JD 7200 12RN\$56250(W) 98 JD 7200 P\$14000(H) 95 CIH 900 12RN\$6500(W) 86 CIH 900 8RN\$2400 White 6108 8RN\$298000(H) JD 7000 12RN\$1000(W) SPRAYERS 12 CIH SPX4430\$298000(W) 10 CIH SPX4420\$199950(PR) 09 Apache AS1010\$135000(PR) 08 CIH SPX4420\$199050(PR) 09 Apache AS1010\$135000(PR) 09 Apache AS1010\$135000(PR) 09 Apache AS1010\$135000(PR) 09 Apache AS1010\$135000(PR) 09 Apache AS1010\$135000(PR) 09 Apache S54\$54000(GB) 97 Tyler 150\$39500(GB) 96 Spra-Coup SP\$30000(H) SWATHER 11 CIH WD2303\$95000(S) 09 CIH WD1203\$65000(L) 09 CIH WD1203\$65000(L) 09 CIH WD1203\$65000(L) 09 CIH WD1203\$65000(CB) 10 CIH WD1203\$65000(CB) 10 CIH WD1203\$65000(CB) 10 CIH WD1203\$65000(CB) 10 CIH WD1203\$64500(GB) 10 CIH WD1203\$64500(CB) 10 CIH WD1203\$64500(CB) 1</td>	10 Mahindra 4035\$20500(W) 10 CIH Mag 335\$195000(GB) 10 CIH MAX125\$84000(H) 10 CIH STX 385\$196000(GB) 10 CIH STX 385\$195000(S) 09 CIH STX 385\$195000(S) 09 CIH STX 385\$189000 09 CIH STX 385\$189000 09 CIH STX 385\$184000(GB) 08 CIH Puma 165\$189000 09 CIH STX 385\$194000(S) 08 CIH Puma 165\$194000(S) 08 CIH Puma 165\$194000(S) 08 CIH PUMA 165\$194000(S) 08 CIH PUMA 165\$14500(H) 07 CIH STX305\$14500(H) 07 CIH STX305\$14500(W) 06 CIH DX33\$141000(S) 07 NH TC55 DA\$23900(W) 06 CIH DX33\$148000(W) 05 MXM120\$50500(S) 02 Challenger MT535\$43500 00 NH TC29\$14900(W) 99 CAT 85E\$95000(W) 99 CAT 85E\$95000(W) 99 LH 9200\$50500(S) 01 CIH 9240\$38500(PR) 91 JD 4255\$28500(H) 91 JD 4255\$28500(H) 93 JD 8760\$28500(H) 93 JD 8760\$28500(W) 94 JD 4555\$35000(W) 95 JD 4555\$35000(W) 96 JD 4555\$35000(W) 97 VH 9682\$28500(H) 97 JH 866\$10000(W) 77 Versatile 950\$9900(W) 74 JD 401B/ditch mover .\$4500 74 FORD 3000\$5000(PR) 64 CIH 530\$280000(GB) 11 JD 9770\$280000(GB) 11 JD 9770\$230750(PR) 11 CIH 7088\$215000(S) 10 CIH 8120\$235000(L) 10 CIH 8120\$195000(L)	96 GP 2SF24RN\$16500(PR) 96 GP 2SF24RN\$16500(PR) 95 Krause 5215 15' NT\$14900 90 GP 3SF30\$7500(LA) (2) JD 8300 13' rigid\$7500 PLANTERS 10 CIH 1240 12RN \$79000(GB) 08 CIH 1250 24RN\$59500(W) 08 CIH 1240 16RN\$59000(H) 08 Kinz 3600 EV 16RN .\$59000(GB) 04 CIH 1200 16RN\$59000(GB) 04 CIH 1200 16RN\$50200(W) 05 CIH 1200 16RN\$50200(W) 98 JD 7200 12RN\$56250(W) 98 JD 7200 P\$14000(H) 95 CIH 900 12RN\$6500(W) 86 CIH 900 8RN\$2400 White 6108 8RN\$298000(H) JD 7000 12RN\$1000(W) SPRAYERS 12 CIH SPX4430\$298000(W) 10 CIH SPX4420\$199950(PR) 09 Apache AS1010\$135000(PR) 08 CIH SPX4420\$199050(PR) 09 Apache AS1010\$135000(PR) 09 Apache AS1010\$135000(PR) 09 Apache AS1010\$135000(PR) 09 Apache AS1010\$135000(PR) 09 Apache AS1010\$135000(PR) 09 Apache S54\$54000(GB) 97 Tyler 150\$39500(GB) 96 Spra-Coup SP\$30000(H) SWATHER 11 CIH WD2303\$95000(S) 09 CIH WD1203\$65000(L) 09 CIH WD1203\$65000(L) 09 CIH WD1203\$65000(L) 09 CIH WD1203\$65000(CB) 10 CIH WD1203\$65000(CB) 10 CIH WD1203\$65000(CB) 10 CIH WD1203\$65000(CB) 10 CIH WD1203\$64500(GB) 10 CIH WD1203\$64500(CB) 10 CIH WD1203\$64500(CB) 1
Koelzer Repair Onaga, KS 785-857-3257	BEST-WAY 1000 gallon Field-ProIII sprayer, good, \$13,750. 785-336-2067. 60 ft., nice \$42,000 Sunflower 1433 disc 28 ft. 22 inch blades \$16,000 2004 Sunflower 1433 disc 38 ft. 22 inch blades \$16,000 2004 Sunflower 1434 disc 33 ft. JD 1770 NT planter 16x30 TW	— PLANTERS/DRILLS '11 DB90 36 row \$205,000 '2) '09 DB90 36 row \$205,000 '09 DB90 36 row \$205,000 '09 DB90 36 row \$189,000 '05 JD 1770 16-30" \$72,000 '04 JD 1770 16-30" \$\$46,000 '99 JD 1770 16-30" \$\$37,000 '08 Kinze 3700 24-22" \$49,500 '11 Kinze 3600 12/23 \$95,000 '02 Kinze 3600 12/23 \$95,000 '02 Kinze 3600 12/23 \$75,000 '02 Kinze 3600 12/23 \$75,000 '02 Kinze 3600 16/31 \$50,000 '08 JD 1990 40'x15" \$75,000 '08 JD 1990 40'x15" \$75,000 '08 JD 1990 40'x15" \$75,000 '11 JD 9870 \$232,000 '10 JD 9870 \$232,000 '10 JD 9870 \$232,000 '10 JD 9770 4WD \$215,000 '09 JD 9770 4WD \$215,000 '09 JD 9770 4WD \$218,250 '09 JD 9770 4WD \$144,000 '08 JD 9770 4WD \$189,500 '08 JD 9770 4WD \$189,500 '08 JD 9770 4WD \$189,500 '08 JD 9770 4WD \$189,500	¹¹⁰ JD 9530 4WD\$250,000 ¹⁰⁸ JD 9430T\$229,500 ¹⁰⁴ JD 9420T\$140,500 ¹⁰⁷ JD 8430 MFWD .\$161,000 ¹¹¹ JD 8360 1LT 1LS \$270,000 ¹⁰¹ JD 8345R\$229,000 ¹¹¹ JD 8360 1UT 1LS \$270,000 ¹⁰¹ JD 8320 1UT 1LS \$228,000 ¹⁰¹ JD 8320 1UT 1LS \$228,000 ¹⁰² JD 8320 1UT 1LS \$228,000 ¹⁰³ JD 8320 1UT 1LS \$220,000 ¹⁰⁴ JD 8295 1UT\$188,000 ¹⁰⁵ JD 8295 1UT\$195,000 ¹⁰⁵ JD 8295 1UT\$195,000 ¹⁰⁶ JD 8295 1UT\$195,000 ¹⁰⁷ JD 8295 1UT\$195,000 ¹⁰⁹ JD 8295 1UT\$195,000 ¹⁰⁰ JD 8270 PS\$182,000 ¹⁰⁰ JD 8270 PS\$182,000 ¹⁰⁰ JD 8270 PS\$182,000 ¹⁰¹ JD 8270 PS\$182,000 ¹⁰² JD 8270 PS\$182,000 ¹⁰³ JD 8270 PS\$141,000 ¹⁰⁴ JD 8270 PS\$182,000 ¹⁰⁵ JD 5603\$44,000 ¹²⁸ JD 4450\$21,500 ¹²⁹ JD 3720\$35,000 ¹⁰¹ JD 4100\$9,850 ¹²⁰ JD 4100\$9,850 ¹²⁰ JD 4100\$9,850 ¹²¹ JD 3720\$127,000 ¹³² CIH 75A\$22,000 ¹³² JD 3720\$33,000 ¹³² JD 512 9sk\$33,000 ¹³² JD 2210 41'\$36,500 ¹³³ JD 2210 41'\$36,500 ¹³⁴ JD 2310 27'\$55,000 ¹³⁵ JD 512 9sk\$33,000 ¹³⁴ JD 2310 27'\$55,000 ¹³⁵ JD 512 9sk\$33,000 ¹³⁴ JD 2310 UT 30 \$44,000 ¹³⁵ JD 512 9sk\$33,000 ¹³⁴ JD 2310 UT 30 \$44,000 ¹³⁵ JD 512 9sk\$33,000 ¹⁴⁵ JD 2210 41'\$36,500 ¹⁴⁷ JD 2310 27'\$55,000 ¹⁵⁵ JD 512 9sk\$33,000 ¹⁵⁴ JD 2310 Z'\$55,000 ¹⁵⁵ JD 512 9sk\$33,000 ¹⁶⁴ JD 4020\$47,500 ¹⁷⁵ JD 512 9sk\$33,000 ¹⁸⁴ JD 2310 Z'\$55,000 ¹⁹⁵ JD 512 9sk\$29,500 ¹⁹⁶ JD 2210 41'\$56,500 ¹⁹⁷ JD 2310 JT 30 \$44,000 ¹⁹⁸ JD 566\$13,500 ¹⁹⁹ JD 3210 30'\$45,000 ¹⁹⁹ JD 3210 30'\$45,000 ¹⁹	10 CIH 7120 \$256000(GB) 08 CIH 7010 \$175000(W) 08 CIH 2588 \$163000(W) 08 CIH 2588 \$195000(S) 07 CIH 8010 \$160000(GB) 07 CIH 8010 \$159000(L) 06 CIH 8010 \$159000(L) 06 CIH 8010 \$159000(H) 04 CIH 8010 \$159000(H) 04 CIH 2366 \$68000(GB) 86 CIH 1460 \$27500(GB) 80 CIH 1460 \$5500(W) 79 IHC 1460 \$7500(GB) 90 CIH 2388 \$68000 \$117000 (3) CIH 2188 \$54500 \$58000 HEADERS 12 CIH 3020 \$46000(PR) 11 JD 635F 35' \$39000(H) 11 JD 635F 35' \$39000(H) 11 JD 635F 35' \$39000(H) 10 JD 635D 35' drpr \$50000 10 CIH 2020 35' FH.\$34500(PR) 10 JD 635D 35' drpr \$50000 10 CIH 2020 35' FH.\$34000(H) 09 CIH 2020 30' \$27500(PR) 09 CIH 2020 30' \$27500(PR) 08 2162 40' draper \$59000(L) 08 2162 40' draper \$59000(L) 08 2162 40' draper \$59000(L) 08 2162 40' draper \$53000(W) 07 CIH 2412 CH \$4900(PR) 06 CIH 2062 DH \$44900(GB) 06 CIH 2062 DH \$44900(GB) 06 CIH 2062 DH \$44900(CB) 06 CIH 2062 30' \$20000(W) 07 CIH 2412 CH \$1000(S) 03 JD 925 F 25' \$16000(S) 03 JD 925 F 25' \$16000(S) 03 CIH 208 30' \$20000(W) 05 JD 635F 35' \$39000(C) 04 CIH 2062 36' FD \$30000(W) 05 JD 635F 35' \$30000(W) 05 JD 635F 35' \$30000(S) 04 CIH 2062 36' FD \$30000(S) 03 CIH 2208 30' \$20000(W) 05 JD 635F 35' \$30000(S) 04 CIH 2062 36' FD \$30000(S) 03 CIH 2208 30' \$20000(W) 04 CIH 1083 12R CH \$16500(H) 94 CIH 1083 12R CH \$16500(H) 94 CIH 1083 8RN CH \$10800 91 JD 925F 25' FH \$10800(S) 03 CIH 1020 30' FH \$10800 91 JD 925F 25' FH \$10800(S) 04 CIH 1020 30' FH \$10800 91 JD 925F 25' FH \$10800(S) 90 CIH 1083 8RN CH \$115000(L) 90 CIH 1083 8RN CH \$115000(L) 90 CIH 1083 8RN CH \$115000(L) 90 CIH 1020 30' FH \$10800(S) 90 CIH 1020 30' FH \$10800(S)	04 JD 4995 SP\$52000(S) 04 CIH WDX1101\$49900(GB) 03 CIH SCX100\$16000(S) 92 NH 1118SP\$15000(GB) 08 H&S HD1117 whi\$19700 08 CIH RB564 5x6 RB .\$22500 08 CIH RB562 5x6\$15000(H) 05 CIH RBX562 5x6\$15000(H) 05 CIH RBX562 5x6\$15000(H) 05 CIH RBX562 5x6\$15000(K) 03 NH BR780 RB\$13700(GB) 03 NH BR780 SX6 RB

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PARTS, NOT EXCUSES	NEW TRA JD 6150R JD 7230R USED TRA 2012 JD 8360R 2011 JD 8335R 2011 JD 7230R 2009 JD 7430 2009 JD 7430 2008 JD 7330 2006 JD 8430 1966 JD 4020, ni COMBI 2012 JD S660
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800-255-0337 www.AbileneMachine.com 2002 NH TV 140 high direc- tional with loader and grapple, low hours. 785-243-9097. FOR SALE: D6B Caterpillar, Manual shift, Hydraulic 8ft. blade, Electric start 620-836- 3427.	2012 JD 2623 VT BBK Header Trai USED EQU 2011 JD 637 disk 2009 JD 2510S SOLID — S STILL
SALVAGE COMBINES ALLIS N7-6, L2, L, M, G, F2, F, CII, AII; JD 8820, 7720, 7700, 6600, 4400, 3300, 105, 95, 55; MF 860, 760, 750, 510, 410; IH 1680, 1480, 1460, 915, 815, 715, 503, 403; NH TR70-85, 1400, 995, 985, 975. SALVAGE TRACTORS ALLIS 7000-7080, 220, 210, 190XT; D17-19; JD 84-8630, 7520, 6030, 5020, 4630, 4430, 4020, 3020, 720, 730; CASE 1470, 1370, 1270, 1200, 1070, 930, 400; IH 1568, 1466, 1256, 1066, 1026, 806; FORD 4-5-6-8-9000; MF 2745, 1155, 1100, 90, 85; OLIVER 2150; MM G1000; WH2-150, 4-150.	C O M PA N 785-336-21 785-548-58 Visit U jddealer.deere.co Seneca, H Gleaner C '95 R72
Mike's Equipment BUHLER, KANSAS 1-800-543-2535 CASE IH 955 8R30, 200 acres on complete rebuild, liquid fert,	Great Plains T 81 Farm Eq McPherson, KS.(1-800-35
EarlyRiser monitor, excellent condition \$11,750. 785-313- 6101.	HESSTON 565A baler, excellent of 736-2775.
— PLANTERS/DRILLS — '11 DB90 36 row \$205,000 (2) '09 DB90 36 row \$205,000 '09 DB90 36 row \$189,000 '05 JD 1770 16-30" \$72,000 '04 JD 1770 16-30" \$72,000 '04 JD 1770 16-30" \$37,000 '08 Kinze 3800 24-30" \$85,000 '02 Kinze 3700 24-22" \$49,500 '02 Kinze 3600 12/23 \$75,000 '02 Kinze 3600 12/23 \$75,000 '02 Kinze 3600 16/31 \$50,000 '08 D 1990 40'x15" \$75,000 '08 D 1990 40'x15" \$75,000 '08 D 1990 40'x15" \$75,000 '11 JD 9870 \$280,000 '11 JD 9870 \$232,000 '10 JD 9870 \$232,000	 '10 JD 9530 4WD '08 JD 9430T '04 JD 9420T '02 JD 8520 MFW '07 JD 8430 MFW '11 JD 8360 1LT 1 '10 JD 8345R '10 JD 8320 1UT '10 JD 8320 1UT '10 JD 8295 1UT '10 JD 8270 PS '10 JD 8270 PS '10 JD 8270 PS '10 JD 8270 PS

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OUR 62nd YEAR	OHLD
NEW TRACTORS JD 6150R	• 2007 Me
JD 7230R USED TRACTORS	 2013 X eral to c
2012 JD 8360R 2011 JD 8335R	 Parting
2011 JD 7230R 2009 JD 7430	3.9 Final
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1966 JD 4020, nice COMBINES	Li
2012 JD S660Coming 2011 JD 9770Coming	78
2011 JD 9670 2009 JD 9670	
2007 JD 9660 4-JD 630F	JD 630 fle dition, \$1
2002 JD 925F 2001 JD 925F	4x4 bale 7525.
NEW EQUIPMENT SPECIALS	
2012 JD 2623 VT 26.5' BBK Header Trailers	Stra
USED EQUIPMENT 2011 JD 637 disk 32'	Stra
2009 JD 2510S SOLID — STABLE	12 CIH M
STILL JD	12 CIH M 12 CIH M
E	11 CIH M 11 CIH Fa
TODD TRACTOR	11 JD 93 10 Mahin
COMPANY INC	10 CIH M 10 CIH M
785-336-2138 Days 785-548-5855 Nights	10 CIH S 10 CIH S 09 CIH S
Visit Us At jddealer.deere.com/toddtractor	09 CIH S 09 CIH S
Seneca, Kansas	09 CIH S 08 CIH S
Gleaner Combines	08 CIH P 08 Mahin
⁶ 95 R72\$49,500 ⁶ 95 R72\$34,500	07 CIH S 07 NH TC
[•] 97 R62 RWA\$56,500 [•] 91 R60 RWA\$20,500	06 CIH D 05 MXM1
'83 L3\$11,500	02 Challe 00 NH TC 99 CAT 8
(81 M2\$8,500 GRAVITY WAGONS	98 JD 920 97 JD 920
EZ Trail gravity wagons, 230 to 400 bushel	97 NH 96 91 CIH 92
EZ Trail grain carts, 490 & 700 bushel	91 JD 42 89 JD 87
Great Plains Tillage Tools	89 JD 45 81 Case
81 Farm Eq. Service	79 IH 866 77 Versat
McPherson, KS.620-241-3100	74 JD 40 74 FORD
1-800-357-3101	64 CIH 53
HESSTON 565A big round baler, excellent condition. 785-	11 JD 97 11 CIH 70
736-2775.	10 CIH 8' 10 CIH 8'
10 JD 9530 4WD\$250,000	10 CIH 7 08 CIH 70
08 JD 9430T \$229,500 04 JD 9420T \$140,500	08 CIH 70 08 CIH 29 08 CIH 29
02 JD 8520 MFWD .\$125,000 07 JD 8430 MFWD .\$161,000	07 CIH 80 07 CIH 80
11 JD 8360 1LT 1LS \$270,000 10 JD 8345R \$229,000	06 CIH 80 04 CIH 80
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10 JD 8320 1UT 1LS\$212,000 10 JD 8295 1UT 1LS\$200,000	98 CIH 23 86 CIH 16
10 JD 8295 1UT\$188,000 10 JD 8295 1UT\$210,000	80 CIH 14 79 IHC 14
10 JD 8320 10T 1LS\$228,000 10 JD 8320 1UT 1LS\$212,000 10 JD 8295 1UT 1LS\$200,000 10 JD 8295 1UT\$188,000 10 JD 8295 1UT\$210,000 10 JD 8295 1UT\$195,000 10 JD 8295 1UT\$195,000 10 JD 8295 1UT 1LS\$198,000 10 JD 8295 1UT 1LS\$198,000	(9) CIH 2 (3) CIH 2
10 JD 02/0 F3 3100,000 1	12 CIH 30
10 JD 8270 PS\$175,000	11 JD 63 11 JD 63 10 JD 63
07 JD 8230 PS\$141,000	10 CIH 20 09 CIH 20
10 JD 7730 1UT \$136,000 08 JD 5603 \$44,000 78 JD 4840 \$21,500	09 CIH 20
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IACHINERY DE TRACTOR REPAIR Neritt 42 ft. grain trailer XRT 1550 diesel sevchoose from Out JD 7720

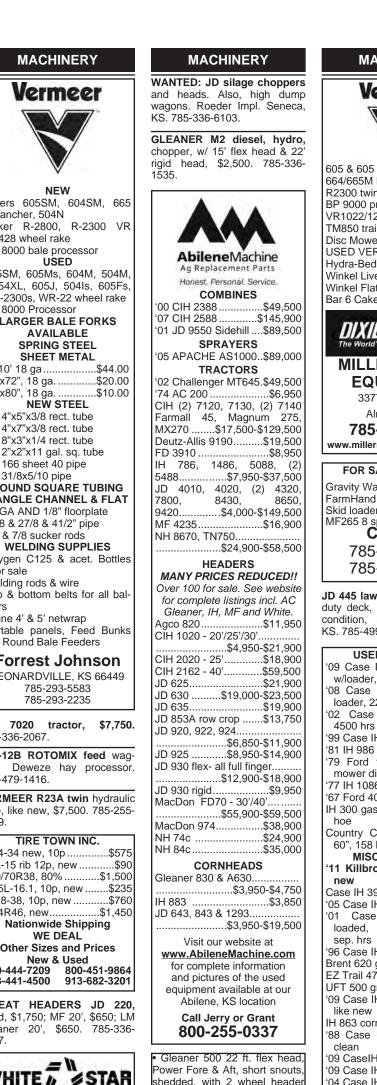
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SALVAGING COMBINES

N5, N7, L, L2, M, F, G, C, CII, AII, A&E, K Gleaner. 6620, 7720, 8820, 7700, 6600, 4400,

Grass & Grain, July 2, 2013

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MACHINERY Vermeer 605 & 605 Super M balers 664/665M Rancher baler R2300 twin rake BP 9000 processor VR1022/1224 wheel rake TM850 trailed mower Disc Mowers & Mower Cond. USED VERMEER BALERS Hydra-Bed[™] & accessories Winkel Livestock Equip. Winkel Flatbeds Bar 6 Cake Feeders DIXIE CHOPPER The World's Fastest Lawn Mower MILLER RANCH EQUIPMENT 33778 K-99 Hwy. Alma, Kansas 785-765-3588 www.millerranchequipment.com FOR SALE OR TRADE Gravity Wagons, grain carts. FarmHand Loader\$1,950 Skid loader trailer......\$1,450 MF265 8 speed 60 HP..\$7,250 **Cooter's** 785-562-2027 785-562-6131 JD 445 lawn tractor 60" heavy duty deck, 640 hours, excellent condition, \$4,500. Alta Vista. KS. 785-499-2860. USED TRACTORS 09 Case IH FarmAll 35 MFD w/loader, 215 hrs, like new '08 Case IH Farmall 90 with loader, 2200 hrs 02 Case IH MX180 MFD 4500 hrs '99 Case IH MX240, 6100 hrs '81 IH 986 '79 Ford 1500 2WD w/finish mower diesel '77 IH 1086 w/loader, 7200 hrs '67 Ford 4000, gas IH 300 gas w/loader and back-Country Clipper com. mower 60", 158 hrs MISCELLANEOUS '11 Killbros 1150 grain cart, Case IH 3950 disk 23' '05 Case IH 1020 30' flexhead '01 Case IH 2388 4WD, loaded, 2,728 eng., 1,875 96 Case IH 1020 flexhead 20' Brent 620 grain cart EZ Trail 475 grain cart UFT 500 grain cart '09 Case IH 2020 flexhead 25', IH 863 cornhead '88 Case IH 1660, 4300 hrs. 09 CaseIH RB564 twine/mesh 09 Case IH DC132 disk MoCo shedded, with 2 wheel header 04 Case IH RBX562 rd. baler railer, nice, \$6,500 obo. 92 Case IH 8480 rd.baler 1985 Caldwell 450 bu grain Hesston 5010 10 wheel, like cart, tarp, all new flighting, new good, \$4,500 obo. Koyker K-5 loader JD mounts GB 870 loader, fixer upper Loren Blazek Belleville, KS SALVAGE '80 NH TR-75 combine 785-556-8952

DEEDE Bruchhog

IOHN

IH 1440, 1460 & 1660 com-

Balers 605SM, 604SM, 665 Rancher, 504N Raker R-2800, R-2300 VR 1428 wheel rake BP 8000 bale processor 605SM, 605Ms, 604M, 504M 554XL, 605J, 504Is, 605Fs R-2300s, WR-22 wheel rake BP 8000 Processor LARGER BALE FORKS 6'x10' 18 ga.....\$44.00 40"x72", 18 ga.....\$20.00 23"x80", 18 ga.\$10.00 NEW STEEL 40' 4"x5"x3/8 rect. tube 20' 4"x7"x3/8 rect. tube 28' 8"x3"x1/4 rect. tube 24' 2"x2"x11 gal. sq. tube 33' 166 sheet 40 pipe 42' 31/8x5/10 pipe ROUND SQUARE TUBING **ANGLE CHANNEL & FLAT** 14 GA AND 1/8" floorplate 23/8 & 27/8 & 41/2" pipe 3/4 & 7/8 sucker rods Oxygen C125 & acet. Bottles for sale Welding rods & wire Top & bottom belts for all balers Twine 4' & 5' netwrap Portable panels, Feed Bunks & Round Bale Feeders Forrest Johnson LEONARDVILLE, KS 66449 AC 7020 tractor, \$7,750. 785-336-2067. 354-12B ROTOMIX feed wagon; Deweze hay processor. 785-479-1416. VERMEER R23A twin hydraulic rake, like new, \$7,500. 785-255-4579. 18.4-34 new, 10p\$575 11L-15 rib 12p, new\$90 800/70R38, 80%\$1,500 16.5L-16.1, 10p, new\$235 20, 8-38, 10p, new\$760 18.4R46, new.....\$1,450 Nationwide Shipping Other Sizes and Prices New & Used 800-444-7209 800-451-9864 913-441-4500 913-682-3201 WHEAT HEADERS JD 220, good, \$1,750; MF 20', \$650; LM Gleaner 20', \$650. 785-336-2067



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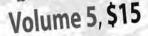
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Harness racing triple crown has roots in Hanover

By Michael Rubin, The Evening Sun

(AP) – When people think of the Triple Crown, the Kentucky Derby, Preakness Stakes and Belmont Stakes are immediately what come to mind. Very few think of races like the Hambletonian, Yonkers Trot or the Kentucky Futurity.

Those races however, are part of the Harness Racing Triple Crown, a Triple Crown that has strong ties to Hanover.

Unlike the Thoroughbred Triple Crown, which is condensed into a six-week time frame, the Harness Racing Triple Crown is spread out over the course several months. Also in contrast to Thoroughbred racing, there is a fraction of the national fanfare that accompanies the Harness Racing Triple Crown.

Why has the harness racing industry taken a backseat to the Thoroughbred industry and what can be done to help popularize the sport? These are the questions on the minds of many involved in harness racing.

One possible answer to both of those questions might be as simple as looking in our own backyard. Hanover is home to one of the biggest names in the harness racing industry – Hanover Shoe Farms.

With more than 1,100 horses spread out on more than 2,700 acres of land, Hanover Shoe Farms – or Hanover as it is referred to around the world – is the largest horse-breeding farm in the world, in terms of earnings.

Last year, Hanover was the highest-earning breeder in all of harness racing and has been since harness racing started keeping records. The horses they breed earned more than \$30 million, almost \$10 million more than the next highest breeder and \$21 million more than the third highest.

Hanover Shoe Farms, much like the harness racing industry, is often overlooked. Established in the 1920s, the Shoe Farm has been around so long that they are merely known as the open space between Littlestown and Hanover, Hanover Shoe Farm President and CEO James Simpson said.

Simpson, who spends much of his waking hours trying to figure out why harness racing is not as popular, has several ideas as to why this is the case. "We were legalized for betting decades ago," he said. "We were the only game in town. There were three television channels, and only AM radio. We had it made and didn't know it.... We missed it. We missed television."

But Simpson also has ideas on what can be done to change the popularity status of harness racing.

"I hate to say it but I think we are missing some of the online/Internet stuff," he said.

Hanover is hoping to change that trend and lead the charge digitally. They have developed their website so that people can bid online to purchase horses. They have also hired several ``30-somethings'' to help lead the social media charge.

Another potential reason that harness racing has taken a backseat to Thoroughbred racing is that there are only two harness tracks west of the Mississippi and only one track south of Kentucky. The bulk of harness racing is done in the northeast, thus regionalizing the sport.

United States Trotting Association's executive director of harness racing communications feels that the industry is beginning to build a fan-base by coming up with innovative ideas.

"We just recently started running Harness Racing fantasy camps," Ellen Harvey said. "We have 50 or 60 people that can come in per camp and be immersed in the sport for four days."

At the fantasy camps, participants can learn to feed, harness and care for the horse. They also learn how to give them a bath, clean their stalls and how to drive a bit.

"It has been a launching pad for quite a few people to do more in the sport than they had been doing," she said.

Two other initiatives the sport has taken is airing a weekly radio show on Sirius/XM and developing the Harness Racing Hall of Fame into a more interactive experience. While there, fans can ride racing simulators and get a true feel for what harness racing is like.

In an industry that depends on fans – especially those who bet – to be successful, Simpson has several ideas has to how help popularize the sport he is so passionate about.

"We are in the gambling business," he said. "There is a big trend in the industry by track management to do guaranteed payoffs. It looks like that is something the public wants."

Simpson relates the idea to Powerball. Few people purchase tickets when the jackpot is \$15 million but when the winnings increase to \$300 million, everyone wants a chance.

"The odds are really bad but that's what people want and there seems to be a trend there." he said.

Hanover Shoe Farms also plans to have a major say in the popularization of eight-year-old stallion that lives on its grounds.

Somebeachsomewhere set four world records and won 20 of 21 career starts, earning more than \$3.3 million over the course of his racing career. Now, the horse is roaming the fields of the Hanover Shoe Farms and breeding foals that many say will change the industry.

One of those foals, Captaintreacherous, has people within the industry so excited they have mounted a webcam in his stall so they can see what he is doing anytime of the day. They believe that he could be the horse whose success potentially attracts fans that are not as familiar with harness racing.

Last year, he won about \$1 million and was named 2012 Pacer of the Year and Two Year Old Pacer of the Year. Now the three-yearold is the horse everyone has their eye on as the Triple Crown approaches.

This year's Triple Crown will be broadcast on CBS Sports, which Simpson thinks will be a big plus for the industry.

Ultimately Simpson, and the rest of the harness racing industry, believes the sport needs an infusion of youth and the trick is finding out how to reach them.

"We do not see an infusion of the younger generation right now," Simpson said. "We don't see enough younger people getting into it. We need the youth (at the tracks) to have the 50-cent beers and a hot dog. They also need people like me with disposable income."

Fortunately, Simpson believes they are taking steps in the right direction to reach that goal.

USFRA receives national recognition for online program

Since 2011, the U.S. Farmers & Ranchers Alliance® (USFRA®) has been working diligently to heighten consumer trust in today's food production system by leading an open dialogue regarding the most pressing topics about food and agriculture. A key element of this work pertains to creating digital spaces for consumers and influencers to connect with farmers and ranchers. The success of these efforts is now receiving national recognition. Recently, USFRA's consumer digital and social media campaigns received a Gold SABRE Award, one of the highest honors in public relations. To date, the organization's Facebook page has more than 208,000 likes. The Food Dialogues.com website has received more than one million unique visitors and notably The Food Dialoguessm events have consistently trended on Twitter. "USFRA's long-term, consumer-facing movement is centered on reaching online consumers who are searching for answers and shaping opinions about food and food production," said Bob Stallman, chairman of USFRA and president of the American Farm

Bureau Federation. "Our results show the organization is making a great impact, but we still have significant opportunity ahead of us."

Other online and social media achievements include:

Social Media: USFRA Facebook engagement soared to 24 percent in 2012 while other personalities and brands receive a much lower engagement average; the average brand with 0.5 percent; non-profits: 2.2 percent. (Engagement is calculated by the number of people who have 'liked' something on the page and then return to comment, post, share and/or 'like' additional content.) Via two tweet-chats, USFRA garnered 25.3 million twitter impressions; both nearly doubled the average number of impressions for a tweet-chat.

Grow What You Know: When unfair or inaccurate articles surface in the media, they often go unanswered. That's why USFRA built the FARM Team community that allows farmers and ranchers to submit false, misleading or unfair information or articles to the "Grow What You Know" system on FoodDialogues.

com. when USFRA is alerted to an article, communications go out to the more than 440 farmers and ranchers who have signed up to serve as rapid responders, these individuals then comment on the article, using their own "real-life" examples to help clarify inaccuracies or simply create dialogue. Farmers and ranchers responded to 32 articles in 2012 that were posted to "Grow What You Know" system.

FoodSource: The customcreated site on FoodDialogues.com was built around a series of unique sections covering the nine hottest food issues in food production today: everything from Animal Welfare to Antibiotics and GMOs. Each section featured detailed answers to the ten most frequently asked consumer questions, links to original third-party sources, and relevant infographics and farmer and ranchers videos. Food-Source, a one-stop-shop for all food production quesitors since its launch in Fall 2012, with each visitor spending an average 2:38 minutes on the site. A typical "time on page" is usually between 30 to 60 seconds.

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1 BLK CCPR

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LINCOLN, NE	3 BLK COW	2-3 YRS 7-8 MO	+)	LINCOLN,NE	1 BLK COW	1.340@\$74.75
WESTMORELAND	4 BLK COW	2-3-4 MO 6-7 M	D \$1,370.00	RANDOLPH	1 CHAR COW	1.060@\$74.50
WESTMORELAND	4 MIX COW	5-6 YRS 6-7 MO	\$1,230.00	MARYSVILLE	1 HOL COW	1,675@\$73.00
WESTMORELAND		7 YS 6-7-8 MO	\$1,210.00	RANDOLPH	1 BWF COW	1,355@\$71.00
RANDOLPH	1 CHAR COW	SS 8 MO	\$1,200.00	RANDOLPH	1 BWF COW	1,055@\$70.75
WESTMORELAND		5-6 YRS 2-3-4 N	. ,	RANDOLPH	1 BLK COW	1,130@\$66.75
WESTMORELAND		SS 6-7 MO	\$1,130.00	WESTMORELAND	1 BLK COW	925@\$66.00
LIBERTY,NE	1 BLK COW	6 YR 2 MO	\$1,000.00	BLUE RAPIDS	1 CHAR COW	1,390@\$64.50
WESTMORELAND	1 WF COW	AGED	\$910.00		BULLS	
WESTMORELAND	1 BLK CCPR	4 YRS	\$1,550.00	HANOVER	1 BLK BULL	1,945@\$104.75
MARYSVILLE	2 BLK CCPR	6 YRS	\$1,525.00 \$1,410.00	WASHINGTON	1 BLK BULL	1,345@\$84.50

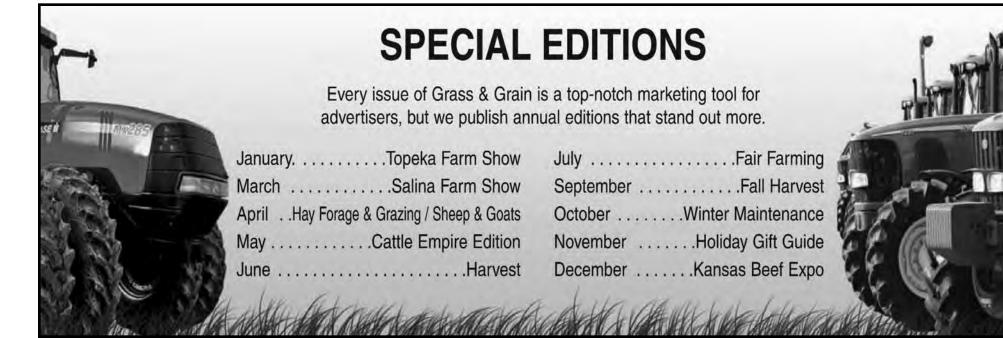
FIELDMEN Jim Dalinghaus Dave Bures, Auctioneer Jeff Cook Greg Anderson Trevor Lundberg 785-799-5643 402-239-9717 785-564-2173 785-747-8170 785-770-2271 Baileyville, KS Odell, Nebraska Hanover, KS Waterville, KS Frankfort, KS Barn Phone • 785-562-1015 www.marysvillelivestock.com								
		\$1,200.00						
MARYSVILLE	1 WF CCPR	7 YRS	\$1,270.00			IAI IIIIV 10 II		

NO SALE JULY 4

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\$1,350.00



Page 26 Grass & Grain, July 2, 2013 Pasture-To-Plate Tour teaches chefs about beef production

Chefs, foodservice professionals and restaurant operators from 12 states were guests of the Kansas Beef Council (KBC) last month for the annual Pasture-to-Plate Tour, a comprehensive tour of the beef industry. The checkoff-funded event is designed to show influential people in the food business all stages of beef production starting with cow-calf and seedstock ranches, and includes stops at a feedyard and a beef processing facility. The event

kicked off with a look at product research and development at the Cargill Innovations Center in Wichita. Tour stops were hosted by Woolfolk Ranch at Protection, Gardiner Angus Ranch at Ashland, Midwest Feeders of Ingalls, JO Cattle Company at Holcomb and the Cargill Meat Solutions processing plant at Dodge City. Attendees also heard from K-State veterinarian Dan Thomson and were exposed to technology used in crop production at BTI John Deere in Pratt.

Attendees often are on the front lines when it comes to answering customer questions. Educating these industry partners with knowledge about production practices provides them tools to utilize in their daily interactions with customers.

Melissa Haupt, corporate chef from Applebee's, was among the guests. Haupt was impressed with the passion, pride and responsibility producers take in raising their animals.

"I learned about the

tatives from the University

of Illinois at Urbana-

Champaign, Kansas State

University, Michigan State

passion behind the people involved every step of the way. To understand that even though it is a commodity and product, it is also an animal and it is in their best interest and anybody's best interest to treat them as humanely as possible taking responsibility, knowing they are feeding it to somebody at the end," said Haupt.

Tour attendee Kevin McCarthy is a culinary arts and hotel restaurant management instructor at Paul Smith's College in Brighton, New York.

"I'm going to actually include this in all of my classes. The school I teach at is big on sustainability and sustainable agriculture and I just think it is very important that we have the chance to present to our students what is happening in the industry, the mass production beef industry in Kansas and there is absolutely nothing wrong with it," McCarthy said.

In addition to production education, tour atten-

FEED

dees also learned how to pair beef menu items with the proper wine in a workshop conducted by National Cattlemen's Beef Association executive chef Dave Zino and wine specialist Michel Krevenas from Constellation Brands wines.

While KBC was the primary host of the tour, other beef councils participating in the event were Arkansas, Colorado, Florida, Kentucky, Mississippi, Missouri, New York, Okla-Tennessee and homa. Utah.

MU helps create virtual entomology museum the project with represen-State University, Universi-

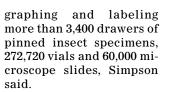
No matter where you are, someday you may be able to study more than 7 million insect specimens from the Enns Entomology Museum at the University of Missouri through an online virtual museum.

MU and 13 other Midwestern institutions are digitizing their collections through a grant from the National Science Foundation Advancing Digitization of Biological Collections Thematic Collections Network to help create a national resource of digital data documenting existing biological collections, according to Kristin Simpson, collection В. manager at the Enns Museum

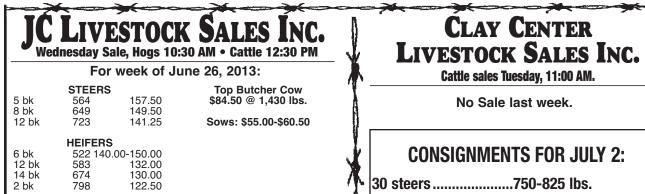
The ten-year grant allows 160 years of accrued collections to be integratinto one central, ed searchable collection.

When completed, standardized and curated digital photos of specimens will be available to scientists, researchers, educators and the public, Simpson said. Photographs will use modern technology, including optical 3-D imaging and reconstruction.

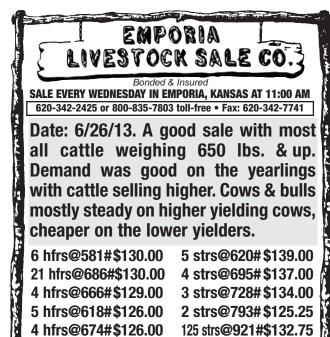
Graduate and undergraduate students at the Enns Museum are photo-



University, University of North Dakota State Uni-Simpson is working on Minnesota, South Dakota versity Grass & Grain Weather Report July 2, 2013 Today's Local Outlook Seven Day Forecast In-Depth Local Forecast Today we will see mostly sunny skies with a high of 81°, humidity of 39%. The record high Seneca TUESDAY 0 **Blue Rapids** 15 79/59 for today is 112° set in 1911. Expect partly Mostly Sunny Washington 80/59 High: 81 Low: 60 cloudy skies tonight with an overnight low o 80/59 0 60°. The record low for tonight is 48° set in 2004. 業 Wednesday, skies will be mostly sunny with a WEDNESDAY slight chance of showers and thunderstorm Clay Center Mostly Sunny High: 83 Low: 64 Last Week's Almanac 81/60 Hi/Lo Date Normals Precip 13 Wamego 6/21 Manhattan THURSDAY 89/64 94/75 6/22 0.00 Ogden 81/60 80/60 Partly Cloudy 92/67 89/64 0.97 6/23 High: 85 Low: 69 0 81/60 0 6/24 89/65 0.00 89/76 0 6/25 94/69 90/65 0.26' Junction City 6/26 FRIDAY 97/70 0.00" 90/65 0.78" 6/27 88/69 90/65 81/60 Partly Cloudy Abilene 3 82/61 High: 90 Low: 68 Rainfall last week. 2.01 Normal rainfall -1.18 Departure from normal 0.83 SATURDAY Average temp last week. \$2.5 **Council Grove** Mostly Cloudy Average normal last week 77.0 \$ \$1/60 High: 86 Low: 68 Departure from normal +5.5 This Week's Sun & Moon Chart SUNDAY Mostly Sunny High: 93 Low: 69 Dav Sunrise Sunset Moonrise Moonset Tuesday 6:04 a.m 8:56 p.m 4:12 p.m Full 2:06 a.m 烈 8:56 p.m. 2:43 a.m. Wednesday 6:05 a.m. 5:09 p.m 7/22 Thursday 6:05 a.m. 8:55 p.m. 3:22 a.m. 6:02 p.m. MONDAY 8:55 p.m. 6:52 p.m. Friday 6:06 a.m. 4:06 a.m. Partly Cloudy High: 91 Low: 65 Saturday 6:07 a.m. 8:55 p.m. 4:53 a.m. 7:39 p.m. (17) First Last 8:55 p.m. 5:44 a.m. Sunday 6:07 a.m. 8:21 p.m 7/29 Monday 6:08 a.m. 8:54 p.m. 6:37 a.m. 8:59 p.m Local UV Index Weather History Growing Degree Days July 2. 1833 - An unusually large New England tornado, Date Degree Days Date Degree Days one-half to three-fourths of a mile wide, went from 6/21 38 6/25 Salem Pond to Norton Pond, Vt. and then into Canada. It 6/22 34 6/26 34 0-2 3 4 5 6 7 8 9 10 11+ destroyed everything in its path. 6/27 6/23 30 6/24 32 0-2: Low, 3-5: Moderate, 6-7: High 8-10: Very High, 11+: Extreme Expos







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UPCOMING SALE SCHEDULE: Starting in June

- NO SALE on July 3 Have a Happy & Safe 4th of July!
- Sale Next Week on July 10

We will be having sales in Clay Center on off weeks for Junction City

If you need assistance in marketing your cattle please call & we will be happy to discuss it with you. **3U Steers**

PLUS MORE BY SALE TIME!

UPCOMING SALE SCHEDULE: Starting in June

• NEXT Sale on July 2

NO SALE on July 9

NO Sheep & Goat Sale in JULY due to 4th of July Holiday

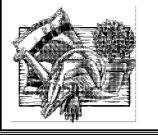
We will be having sales in Junction City on off weeks for Clay Center

Due to postal conflicts we will need your consignments 2 weeks in advance to sale date in order to advertise them in the Grass & Grain. This will be an adjustment but one we feel will help both you as a customer and buyers as well. Thanks for your assistance with this!

JUNCTION CITY. KANSAS • Barn Phone 785-238-1471

UNCTION CITY,	KANSAS • Barn Pho	ne 785-238-1471	-	 Barn Phone 785 bresentatives: Lyle Perry, 78 	
	Seth Lauer 785	-949-2285, Abilene	Tom Koch, 785-243-5124		, 785-262-1185
Radio Market Reports	HOWARD LANGVARDT	KARL LANGVARDT	MITCH LANGVARDT	LYNN LANGVARDT	Radio Market Reports
KFRM 550 Tues. & Wed. 8:00 am	785-238-8212 Cell: 785-761-5812	785-499-5434 Cell: 785-499-2945	785-238-1858 Cell: 785-761-5814	785-762-2702 Cell: 785-761-5813	KCLY-Fm 100.9 Tues. 6:45 a.m.
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	f.	CHECK US OUT AT <u>em</u> FOR ALL THE SCHEDULE	
		THANK YOU FOR ALL OF YO YOUR BUSINESS ALW	
-	11 Car - 5 C	BRODY PEAK, 620-343-5107 LYLE WILLIAMS, Field Rep WIBW 580 - 6:	45 A.M. Thurs; 45 A.M. Thurs. & Fri.



Yard & Garden Tips By Gregg Eyestone

Watering Summer Vegetables

Best watering practices can reduce some issues that commonly occur in the vegetable garden. An inch a week works pretty well as a starting point for most situations. Mulching your plants makes that inch of water last. Read any plant guide and it will likely state that your plant likes an evenly moist soil.

My first tomato fruits of the year are developing. Keeping the soil evenly moist is the best defense from blossom-end rot. Blossom-end rot is not an infectious disease. The large, dry, brown to black, leathery area on the bottom end of the fruit is a physiological problem caused by a calcium deficiency in the developing fruit. As the tomato plant matures, blossom-end rot goes away. Cracking of tomatoes and other vegetable fruits is often caused by watering. These situations are made worse when dry soil gets a heavy amount of moisture from a rain or forgotten sprinkler. Avoid overwatering but also don't let the soil dry out too much to set the fruits up for cracking.

My first sweet corn planting is tasseling and the beans are starting to bloom. Water is important during the whole plant growing period but early fruit and pod enlargement improves yield.

There are a few vegetables that I let forage for their own water after establishment. Melons, watermelon in particular, have to find their own water. They originate from central Africa where they have to fend for themselves. I take the same approach. A dry soil followed by a downpour will make them crack. Good luck forecasting those occurrences.

Okra and sweet potatoes are basically drought tolerant. Weeds like the moisture more than the crops. These will take the rain when it comes but keep the irrigating to a minimum. Water is critical for plant growth. Each crop and site is specific. Add the everchanging weather and it becomes a wonder how any crop produces in Kansas.

You can find out more information on this and other horticulture topics by going to the Riley County, K-State Research and Extension website at www.riley.ksu. edu. Gregg may be contacted by calling 785-537-6350 or stopping by 110 Courthouse Plaza in Manhattan or email: geyeston@ksu.edu

Kansas Forest Service launches plan to preserve \$1.3B industry

Each time Bob Atchison sees kids playing in a park, a family having a picnic, or an American bald eagle building a nest in a tall Kansas cottonwood, he tends to get more passionate about his job.

As the rural forestry coordinator for the Kansas Forest Service, Atchison has a broad perspective toward the state's 5.2 million acres of forest land.

"Healthy forests, woodlands and windbreaks are as important to our national infrastructure as roads and bridges," Atchison said. "The jobs and products they produce are worth protecting."

In Kansas, 95 percent of forest land is privately owned. It's why Atchison and others connected to the state's forest service spent much of the past three years drafting an action plan to help educate families, and support them in protecting this natural resource

The Kansas Forest Action Plan is part of an effort headed by the National Association of State Foresters and the U.S. Forest Service to manage and maintain the country's 423 million acres of private forests, and 100 million acres of urban forests. Atchison noted that

Atchison noted that there are three types of forests in Kansas: agroforests that include windbreaks and streamside trees that surround croplands; community or urban forests that line main streets, parks and yards in local communities; and the rural forests and woodlands located primarily in the eastern third of Kansas.

These forests are crucial for everyday life, he said, because trees and other woodlands can filter air and water, making them safer for humans. But they also contribute to quality of life because they provide recreational opportunities and even a nice place to relax in the shade.

Plus, it is estimated that forestry-related businesses contribute \$1.3 billion to the state's economy, and support more than 6,700 jobs. "Kansas forests provide important economic and environmental benefits to the people of the state," Atchison said. The Kansas Forest Action Plan was finalized in early 2013 and is now being implemented. It identifies threats to Kansas forests and will help state officials target resources efficiently, "especially in these tough economic times," Atchison said.

Those threats include pests such as emerald ash borer; thousand cankers disease of black walnut; pine wilt; and exotic invasive plants like tamarisk, Russian olive and Amur honeysuckle that threaten the health of woodlands and wildlife.

"If we don't act soon to protect our forests, woodlands and windbreaks in Kansas, they could be damaged forever," Atchison said.

The plan can be accessed online at www. kansasforests.org/about/ about. shtml. More information also is available by contacting the Kansas Forest Service at 785-532-

U.S. soy organizations demonstrate commitment to sustainability with assurance protocol

International food companies are looking to purchase soybeans that are grown with respect for the land and its people. To provide those reassurances and keep those markets open, the U.S. soy family has developed its U.S. Soybean Sustainability Assurance Protocol. This protocol identifies the regulations, processes and management practices the U.S. soy industry uses to ensure international customers of U.S. farmers' sustainable soybean production.

> U.S. Sustainability Protocol Considers All Factors

The U.S. Soybean Sustainability Assurance Protocol is a certified aggregate approach to the sustainability performance of U.S. soybean production. It outlines the industry's expectations of sound environmental objectives, social responsibility, promoting economic growth and continuous improvement in technology and cultural practices. This protocol is audited by third parties, which demonstrates the industry's commitment to sustainability, and backed by farmer-led U.S. soy organizations including the United Soybean Board (USB), American Soybean Association (ASA) and U.S. Soybean Export Council (USSEC).

"In the past, consumers and farmers have not always agreed on what it means to be sustainable," says Richard Fordyce, Missouri soybean farmer and chair of the USB Freedom to Operate Action Team. "Our farmer-led soybean organizations intend to show that U.S. soybean farmers have always been, and continue to be, committed to doing everything possible to ensure our soybeans are produced in a sustainable manner. By introducing the U.S. Soybean Sustainability Assurance Protocol, we're showing farmer dedication to sustaining the natural re-

everyone, and we're backing it up with third-party measurement and verification so our customers have confidence in U.S. soybeans."

The U.S. Soybean Sustainability Assurance Protocol represents the nation's 279,110 soybean farms. It is an opportunity for the soybean industry to show international customers who are currently reviewing their sustainability requirements for suppliers that U.S. farmers are already meeting high standards for sustainable soy production.

Organizations Seek to Educate

Farmers and Customers To ensure all soybean farmers understand the protocol, there will be educational materials made available later this summer on the USB website (www.unitedsoybean.org). Farmers and others will be able to learn about the protocol and its importance, as well as the key components of sustainability: environ-

mental and social con-

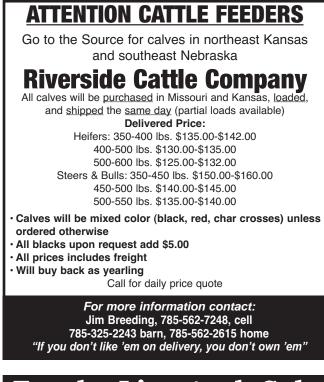
sciousness, promotion of

industry growth, and the embracing of best practices. They will also be able to learn about the measurement and verification for sustainability that are already in place.

The U.S. Soybean Sustainability Assurance Protocol also will be the focus of several initiatives to educate international customers on the U.S. soy industry's sustainability performance and verification process.

Farmer Support Encouraged/Needed

"For our future as individual farmers and as an industry, the U.S. soy family is demonstrating that we understand the expectations of our customers and assuring them our product is sustainable according to their definitions," says Fordyce. "I encourage everyone in our industry to learn more about the Sustainability Assurance Protocol. Visit the USB website for more information about how our sustainable actions today can protect and advance our international markets tomorrow."



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

Holton Livestock Exchange, Inc. 1/2 mile East of Holton, KS on 16 Highway

Livestock Auction every Tuesday at 6:00 PM Serving the Midwest Livestock Industry for 62 Years! ****STARTING TIME: 6:00 PM****

No Sale June 25.

JULY 2--CLOSED

JULY 9--REGULAR WEEKLY AUCTION 6 P.M.

JULY 16--SPECIAL CALF & YEARLING AUCTION 6 P.M.

JULY 23--REGULAR WEEKLY AUCTION 6 P.M.

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

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(AP) – It's a dilemma for drivers: Do they choose a gasoline that's cheaper and cleaner even if, as opponents say, it could damage older cars and motorcvcles?

That's the peril and promise of a high-ethanol blend of gasoline known as E15. The fuel contains 15 percent ethanol, well above the current 10 percent norm sold at most U.S. gas stations.

The higher ethanol blend is currently sold in just fewer than two dozen stations in the Midwest, but could spread to other regions as the Obama administration considers whether to require more ethanol in gasoline.

As a result, there's a feverish lobbying campaign by both oil and ethanol interests that has spread from Congress to the White House and the Supreme Court.

The American Petroleum Institute, the oil industry's chief lobbying group, has asked the Supreme Court to block sales of E15. The court could decide as soon as Monday whether to hear the ethanol case. which combines similar requests by groups representing refiners and car manufacturers.

Putting fuel with up to 15 percent ethanol into older cars and trucks ``could leave millions of consumers with broken down cars and high repair bills," said Bob Greco, a senior API official who has met with the White House on ethanol issues.

The ethanol industry counters that there have been no documented cases of engine breakdowns caused by the high-ethanol blend since limited sales of E15 began last year.

"This is another example of oil companies unnecessarily scaring people, and it's just flatout wrong," said Bob Dinneen, president of the Renewable Fuels Associa-

Sell

Or Buy

tion, an ethanol industry group.

The dispute over E15 is the latest flashpoint in a long-standing battle over the Renewable Fuel Standard, approved by Congress in 2005 and amended in 2007. The law requires refiners to blend increasing amounts of ethanol into gasoline each year as a way to decrease reliance on fossil fuels and lower greenhouse gas emissions that contribute to global warming.

Environmental The Protection Agency has proposed a 16.5 billiongallon production requirement for ethanol and other gasoline alternatives this year, up from 15.2 billion gallons last year. By 2022, the law calls for more than double that amount.

Biofuel advocates and supporters in Congress say the law has helped create more than 400,000 jobs, revitalized rural economies and helped lower foreign oil imports by more than 30 percent while reducing emissions of carbon dioxide and other greenhouse gases.

But the oil industry, refiners and some environmental groups say the standard imposes an unnecessary economic burden on consumers. Using automotive fuel that comes from corn also has significant consequences for agriculture, putting upward pressure on food prices, critics say.

"The ever-increasing ethanol mandate has become unsustainable, causing a looming crisis for gasoline consumers," said Greco. "We're at the point where refiners are being pressured to put unsafe levels of ethanol in gasoline, which could damage vehicles, harm consumers and wreak havoc on our economy.'

Along with the E15 court case, the API and refiners have swarmed Capitol Hill and the White House to try to have the Lawrence was the first in current mandate waived or repealed.

Charles Drevna, president of the American Fuel & Petrochemical Manufacturers, which represents refineries, accused the EPA of putting politics ahead of science.

An EPA official told Congress earlier this month that the agency does not require use of E15, but believes it is safe for cars built since 2001.

"The government is not saying go ahead and put E15 in all cars," said Christopher Grundler, of the EPA's director of the office of transportation and air quality. "The government is saying this is legal fuel to sell if the market demands it and there are people who wish to sell it."

Ethanol supporters say E15 is cheaper than conventional gasoline and offers similar mileage to E10, the version that is sold in most U.S. stations

Scott Zaremba, who owns a chain of gas stations in Kansas, scoffs at claims that E15 would damage older cars. "In the real world I've had zero problems" with engine breakdowns, said Zaremba. whose station in

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the nation to offer E15 last year.

But Zaremba said he had to stop selling the fuel this spring after his gasoline supplier, Phillips 66, told him he could no longer sell the E15 fuel from his regular black fuel hoses. The company said the aim was to distinguish E15 from other gasoline with less ethanol, but Zaremba said the real goal was to discourage use of E15. New pumps cost more than \$100,000.

The American Automobile Association, for now, sides with the oil industry. The motoring club says the government should halt sales of E15 until additional testing allows ethanol producers and automakers to agree on which vehicles can safely use E15 while ensuring that consumers are adequately informed of risks.

A spokeswoman for the Alliance of Automobile Manufacturers, which represents 12 major car makers, said E15 gas is more corrosive and the EPA approved it before it could be fully tested.

Older cars were "never designed to use E15," spokeswoman Gloria Bergquist said. Use of the fuel over time could create significant engine problems, she said.

The API cites engine problems discovered during a study it commissioned last year, but the Energy Department called the research flawed and said it included engines with known durability issues.

For now, E15 remains a regional anomaly. About 20 stations currently offer the fuel in Illinois, Iowa, Kansas, Nebraska, South Dakota and Wisconsin.

Kansas veterans annual weekend family reunion July 19-21

Kansas Veterans and Family Reunion will hold their 26th annual reunion July 19-21, 2013. It will be located at Veteran's Point on El Dorado Lake.

It is the intent of the Kansas Veterans & Family Reunion to provide an environment for healing through communication. This mission is to include any veteran that has served in the United States military, family members of those who have served, and any persons that support those who have fought and died for our freedom. It is also the intent of the Kansas Veterans and Family Reunion to welcome all veterans' organizations, community support groups, and any persons that can help provide support and information to any veteran or family member of a veteran to better their lives. Through communication and a helping hand, the Kansas Veterans and Family Reunion's mission is simple: Never leave a fellow veteran behind and take care of the families that are.

Kansas Veterans Family Reunion began July 17, 1988 at El Dorado Lake. It has since had more than 20,000 people attend. After the 2012 reunion they donated \$3000 to the Wounded Warrior Society and \$3000 to the Kansas Honor Flights.

A wristband costs \$3.00 at the gate and gives you weekend access to live entertainment, multiple auctions, various vendors, and an amazing fireworks display on Friday.

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Ford 3600\$7,500	NH 688\$10,500 🗲
EIH 1466\$15,500	NH BR780A\$24,500
UL 000	NH BR7090\$29,500 😤
EIH 986	NH 1432CALL
Allis 7000, 2WD\$10,000 Case Puma 195\$97,500	Kinze 3600, 12/23
Case 2290\$9,500	Kinze 3600, 16/31
NH T7030\$84,500	JD 7240A\$17,500 🥭
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🐺 Bobcat	One Yough Animal www.bobcat.com



1 hol cow

JENSEN BROS. HEREFORDS

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P.O. Box 197, Courtland, KS 66939

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We sold 810 cattle June 25. There was good demand for steer 1 blk hfrt and heifer calves at steady prices. Feeder steers and heifers 1 brang cov

1335 @ 99.50

1350 @ 77.50 1 bwf cow

1 blk cow

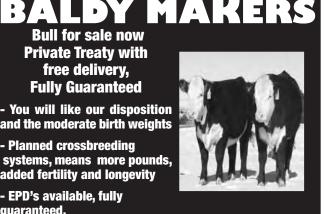
@ 1150.00 1 bwf bull @ 1125.00

Livestock Commission

Company, Inc.

St. Marys, Ks.

1145 @ 85.00



were \$2.00-4.00	higher. Cows	and bulls sold	steady to \$4.00	1 brang cow	1030 @ 92.50	1 hol cow	1175 @ 76.75	1 blk hfr	@ 960.00	1 blk bull	1585 @ 85.00
higher.	•		• · ·	1 brang cow	1295 @ 90.50	1 blk cow	1310 @ 74.75		BULLS		1000 @ 00.00
STEER & BUL		61 mix strs	874 @ 135.00	1 brang cow	1215 @ 90.00	1 hol cow	1220 @ 73.50	1 blk bull	1085 @ 86.25		
1 blk bull	230 @ 191.00	58 mix strs	903 @ 132.00	1 brang cow	1210 @ 89.25	1 hol cow	1685 @ 73.00				
2 blk strs	373 @ 183.50		CALVES	1 blk cow	1270 @ 87.75	1 x-bred cow	940 @ 72.00		NSIGNMEN	S FOR	JULY 2:
3 blk bulls	425 @ 181.00	1 blk hfr	350 @ 149.00	1 blk cow	1170 @ 86.50	1 jers cow	1025 @ 71.00		ck steers, 550-65		·
5 blk/red strs/bulls	427 @ 180.00	1 blk hfr	395 @ 146.00	1 hol cow	1375 @ 86.00	1 jers cow	1015 @ 70.00		,	,	,
4 blk strs	449 @ 177.50	4 blk hfrs	458 @ 141.00	1 blk cow	1415 @ 85.00	1 jers cow	1005 @ 62.50		ck heifers, 725-7		
4 blk strs/bulls	375 @ 176.00	2 blk/bwf hfrs	530 @ 135.50	1 blk cow	1060 @ 84.50	1 hol cow	1560 @ 60.50	• 182 b	olk strs, 875-925	lbs., North	ern origin, of
1 blk bull	300 @ 171.00		EDER HEIFERS	1 blk cow	1405@ 84.00	1 jers cow	825 @ 60.25	grass			
1 blk bull	325 @ 168.00	37 blk hfrs	676 @ 138.00	1 blk cow	1220 @ 83.25	BRED CO	WS & HEIFERS	• 65 bla	ck bwf steers, 82	5-850 lbs	off grass
3 x-bred strs/bulls	317 @ 167.00	65 blk/red hfrs	733 @ 137.75	1 bwf cow	1445 @ 82.50	1 blk cow	@ 1335.00		lack steers, 850-8		5
2 blk/bwf bulls	388 @ 153.00	66 mix hfrs	742 @ 137.50	1 blk cow	1385 @ 82.00	1 blk cow	@ 1260.00		ick crossbred ste		
1 blk bull	310 @ 150.00	68 blk/char hfrs	756 @ 136.85	1 red cow	1305 @ 81.75	1 blk cow	@ 1200.00				
1 blk bull	345 @ 150.00	59 mix hfrs	781 @ 135.00	1 x- bred cow	1245 @ 80.50	1 bwf cow	@ 1185.00		ick Charolais ste		
STOCKER & FEE	DER STEERS	61 mix hfrs	778 @ 134.25	1 red cow	885 @ 80.00	1 blk cow	@ 1150.00	· 2 Jers	sey Holstein cros	s nurse co	ws, 6-7 yrs old
29 blk strs	715 @ 147.75	4 blk hfrs	690 @ 130.00	1 hol cow	1505 @ 79.50			with c	alves		
12 blk/red strs	575 @ 145.00	COWS & HE	EIFERETTES								
59 mix strs	796 @ 139.25	1 brang hfrt	1040 @ 104.50	WATC	H OUR AL	JCTIONS		Wis	hing everybo	dv a saf	& hanny
58 mix strs	809 @ 138.00	1 blk hfrt	1150 @ 100.50					1100			
60 blk/char strs	809 @ 137.50	1 brang hfrt	975 @ 100.00		DVAUCI	ons.con	I		4th of July	[,] & Har	vest
		-							5		

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:

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