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Entrepreneurs build rural business with passion for outdoors

By Lucas Shivers

Striving to make outdoor life attractive, Justin Raaf, Stuart Raaf, Brian Placek and Bryson Robbins are co-owners of a rural life startup and hunting company called Attractive Outdoors.

"We have always found the outdoors to be attractive," Robbins said. "By adding the letter 'k' to the word 'attractive,' it creates the word 'rack' within the word 'attractive,' which has an association to deer since a deer's antlers are commonly referred to as his rack. One of our products that compelled us to create a company is an attractant, which by its nature, is attractive."

Growing up in rural Riley and Pottawatomie counties, including the Highway 24 areas near St. George and Wamego, the Attractive Outdoors founders were exposed at early ages to the great outdoors. Parents, uncles, older siblings and cousins had profound influences on the team, resulting in decades of positive outdoor experiences.

"We share a deep respect for the natural environment, animal stewardship, perseverance and hard work, and outdoor safety and awareness," Stuart said. "The best story is always the potential that the next outdoor adventure holds. We can all spend more time creating great outdoor memories. Hunting is an activity that Americans should remember is part of our country's culture."

Starting Attractive Outdoors, and specifically one signature product called Beer4Deer, came while brewing beer at home.



Brian Placek, Bryson Robbins, and Stuart Raaf are the founders of Attractive Outdoors, a company that uses spent brewers' grains to create a supplement for deer.

"We learned that the spent brewers' grains that remained after the brewing process would be attractive to deer," Justin said. "The name 'Beer4Deer' was an obvious one that came quickly and stuck."

Using knowledge and experiences gained from studying Feed Science and Bakery Science in the Grain Science Department at K-State, Placek proceeded with formulas that included barley, wheat, yeast and even beer extract to achieve the right nutrition, palatability and

feasibility to manufacture.

"This premium Beer4Deer formulation delivers well-balanced nutrition with a focus on the health of a deer's digestive system," Justin said. "A healthy digestive system may help a deer absorb more nutrients from the food they consume, have a higher body weight, a stronger immune system, and live to maturity. Healthy, mature deer is what everyone wants."

There are a number of ways deer hunters can use Beer4Deer year round to en-

hance their hunting and outdoor experience.

"Generally speaking, Beer4Deer will attract deer to a particular area, keep them coming back to that area, and provide deer with excellent nutrition that they need to be healthy and reach their full potential," Placek said. "More specifically, Beer4Deer can be used in combination with one or more trail cameras to take a photo inventory of the deer in a hunting area."

Attractive Outdoors also has an apparel and clothing

line, currently including a variety of shirt styles and colors that feature the Attractive logo.

"The driving idea behind our apparel is to offer great-looking clothing that is athletic, functional and distinctive," Robbins said. "People who exercise outdoors, be that walking, hiking or jogging, even yoga, enjoy wearing our long and short sleeves, as well as tank tops."

Robbins said a distinct grassroots customer base sprang up from the Salina area to Kansas City along the I-70 corridor.

"Word-of-mouth advertising, friends and family, and attending tradeshows including the Kansas Sampler Festival in Wamego have all been effective ways of spreading awareness and creating customer interest," Robbins said. "Attractive Outdoors will also have a display booth at the Monster Buck Classic in Topeka on January 23-25, 2015. We look forward to seeing our friends and customers there."

The team anticipates steady increases in sales of both Beer4Deer and active wear as their internet and retail presence grows.

"We are enjoying the hard work that it takes to continually grow the company and make it succeed," Justin said. "We planted the company seed and continue to water it, trim it, fertilize it, amend it, and monitor the forecast. We aim to continue operating the self-sufficient business that can ultimately hire college graduates, outdoor enthusiasts, and sons

and daughters of our farming and ranching communities who can join our team as managers, operators, salespeople and stewards of our land and natural environment."

In one example, the team works with graduates of Kansas State University's Wildlife Outdoor Enterprise Management program, like Kurtis Wells of Corning, to perform field research in north central Kansas who helps operate an outfitting service.

Attractive Outdoors is collaborating with Kansas deer hunting outfitters, such as Midwest Whitetail Adventures, to research how deer utilize Beer4Deer and possibly other products in the future.

"We continue to seek out mutually beneficial business relationships with outfitters, retailers, professional hunters, and other related companies and individuals," Placek said. "These efforts hold great potential, and we are excited about the possibilities."

The team also recognizes other markets for products related to hunting, fishing and apparel, as well the potential to create markets through innovation and technology. They have experimented with scent cover-up products, as well as other feed-based and mineral-based attractants and supplements for deer and other game.

For more information, www.AttractiveOutdoors.com and www.Beer4Deer.com will be available soon, or the Attractive Outdoors team can be contacted now

Farmland now available via On Demand digital platforms

Academy Award[®]-winning filmmaker James Moll's feature length documentary, *Farmland*, is now

available for rent and purchase via On Demand platforms – providing more people with the opportunity to view the film from their own homes and digital devices. The film's move to digital platforms takes place this month, following a successful four-week run on Hulu.com and Hulu Plus.

Farmland is available for digital download via iTunes, Amazon Instant Video, Blockbuster On Demand, Sony PlayStation, Vudu.com, Xbox and YouTube. The cost to download and own the film ranges from \$14.99 to \$19.99 for high definition and \$12.99 to \$14.99 for standard definition format. Online rental will cost approximately \$4.99 to \$7.99 for high definition and \$3.99 to \$6.99 for standard definition format.

Farmland will also be available to traditional satellite and cable television subscribers via their respective Video-on-Demand or Pay-per-View plat-

forms in December 2014. DirecTV and DISH subscribers will have access to *Farmland* through their Video-on-Demand or Pay-per-View channels beginning on December 2. The film is also being made available to companies that deliver Video-on-Demand (VOD) or Pay-per-View (PPV) content to ATT U-Verse, Verizon Fios, Comcast, Cox Communications and Time Warner Cable. Viewers are encouraged to check their local VOD/PPV channels on their respective cable and satellite television providers for details.

During its theatrical debut this year, *Farmland* was shown in more than 170 theaters across the country including Regal Cinemas, Marcus Theatres, Carmike Cinemas, Landmark Theatres, and many key independent theaters.

Continued on page 3

Depletion of Ogallala Aquifer empties streams

(AP) – The depletion of the Ogallala Aquifer is causing western Kansas to lose many of its perennial streams, which is damaging the state's ecosystem, a water expert said.

Many streams in western Kansas used to be fed by the aquifer because its water table was higher than the streams. But because the aquifer's water table has dropped three feet or more below the stream beds, most of the streams are now dry year-round, said Jim Butler, geohydrology section chief with the Kansas Geological Survey.

Butler showed the Big 12 Universities Water Workshop at the University of Kansas a newly released map showing that more than 60 percent of the aquifer has been depleted, the *Lawrence Journal-World* reported.

"This pumping has obviously had an impact on the western third of Kansas," Butler said. "It's also caused collateral damage on our ecosystem health – especially our perennial streams."

The aquifer supplies about 95 percent of water used for irrigation in Kansas and about 25 percent of the water used in the United States, Butler said.

He used photographs of the Arkansas River near Larned to demonstrate the problem. One of the photos showed the stream today was dry and rocky.

"This is a very dispiriting sight," Butler said. "It's a tremendous loss to our ecosystem."

Kansas has been warning farmers for decades that they were depleting the Ogallala but heavy irrigation continued despite several studies and task force reports. Gov. Sam Brownback has appointed another task force, which the state hopes will persuade farmers to reduce water use.

Butler said if farmers in northwest Kansas had pumped 22 percent less water in the past several years by using techniques such as no-till, water levels would have remained stable in the short term.

"If we cut back we can buy some time in the system in western Kansas to find solutions," Butler said. "It's all about buying time."



Meatless Mondays – forget about it

By John Schlageck,
Kansas Farm Bureau
Eliminate meat from my diet?

No way. Just the thought of it leaves a bad taste in my mouth.

Be honest, have you ever thrown a couple of pounds of linguine on the grill and watched it cook while you sipped a fine burgundy or single-malt scotch?

Don't get me wrong, I love vegetables. I eat them

with every meal, however I consider them a side dish – essential but for me the main course is meat, whether it is beef, pork, lamb or chicken. I love fresh fish too.

When it comes to eating, the truth is, nothing compares to the smell, sound and taste of a steak sizzling over an open fire.

Kansas City Strip. T-Bone. Porterhouse. Ribeye. Thick. Juicy. Delicious.

Fist-sized pork chops aren't bad either. And don't forget a grilled leg of lamb. Superb dining.

Unfortunately, a widespread general consensus on red meat can be summed up in two words, "Eat less." This has triggered a decline in the consumption of red meat and a drop in income for livestock producers.

Meatless Monday is an international campaign that encourages people not to eat meat on Mondays to improve their health and that of our planet. It was founded in 2003 by marketing professional Sid Lerner.

When it comes to making decisions about the food I eat, I prefer to consider the findings of someone who has conducted scientific research on what makes a healthy diet. The question here becomes whether the concerns about red meat are scientifically sound.

The U.S. Department of Agriculture suggests eating two to three servings of meat, poultry, fish, dry beans, eggs and nuts each day. The key is to choose lean cuts of meat and trim the fat from the meat before or after cooking.

No matter how you cut it, all lean meats are high in nutritional quality. Beef, pork and lamb have been recognized as healthy sources of top quality protein, as well as thiamin, pantothenic acid, niacin and vitamins B-6 and B-12.

Red meats are also excellent sources of iron, copper, zinc and manganese – minerals not easily obtained in sufficient amounts in diets without meats, according to food guidelines by the U.S. Department of Agriculture.

Lean meats eaten in moderation as part of a varied diet, including lots of fruits and vegetables, are not only healthy but also essential. Just as important, beefsteak, pork roast and lamb chops taste good.

Fire up the grill. Writing this column has made me hungry.

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.

CHS Foundation supports KSU's Center for Risk Management Education and Research

The CHS Foundation, St. Paul, Minnesota, has made a gift of \$250,000 to the College of Agriculture at Kansas State University to support the Center for Risk Management Education and Research.

The center engages students and industry partners in innovative education and research, advancing their risk management skills and knowledge. Through undergraduate and graduate education, executive and professional education, and collaborative research, the center actively contributes to facilitating effective risk management practices among new and established professionals alike.

The center is a joint effort of faculty and students from Kansas State University's colleges of Agriculture, Business Administration, Engineering, and Arts & Sciences. Additional partners from across campus also participate in the center.

"The CHS Foundation is proud to partner with K-

State on the Center for Risk Management Education and Research, which provides elevated, experiential learning opportunities for the next generation of leaders in agriculture, particularly those pursuing careers in risk management," said William Nelson, president, CHS Foundation, and vice president, CHS Corporate Citizenship. "Our support will help K-State further its efforts in attracting promising new talent into the risk management field and providing enriched educational experiences for students."

"The success of our center depends on support from organizations such as the CHS Foundation that so generously provide us with resources, time and expertise to enhance our mission of advancing student risk management skills and knowledge," said Ted Schroeder, university distinguished professor of agricultural economics and director of the center. "We are so thankful for the confidence the CHS Foundation support demonstrates in our program."

Philanthropic contributions to Kansas State University are coordinated by the Kansas State University Foundation. The foundation staff works with university partners to build lifelong relationships with alumni, friends, faculty, staff and students through involvement and investment in the university.

The CHS Foundation is the major giving entity of CHS Inc., the nation's leading farmer-owned cooperative and a global energy, grains and foods company. As a part of the CHS stewardship focus, the CHS Foundation is committed to investing in the future of rural America, agriculture and cooperative business through education and leadership development.



Last week I was in a local farm supply store, where they had the usual displays at the end of the aisle trying to get unsuspecting customers to buy stuff they really don't need. One of those displays was for Amish popcorn which made me wonder why Amish popcorn would be superior to regular, old generic popcorn. Then I saw something else that made me scratch my head even more, microwave Amish popcorn. Really, the Amish have microwaves?

Soon after I made this discovery I had another friend send me an article he had found on the internet. This "article" was from a person purporting to be the "healthy home economist". I must say that I have no idea if she really is a home economist or even healthy but I do know that what she alleged in her blog post was completely false and really bad information. It did prove just how little most people really know about food or how it is produced.

This so-called expert started off by claiming that she knew people who had problems with wheat and had traveled to Europe and dined on wheat products without any ailments. This made her wonder what the difference could be between the two continents and their wheat. She quickly ruled out gluten or hybridization of wheat. Good, I thought at least she is not fanning the flames of those two fires. Then she unveiled her theory of why people suffer the myriad of ailments increasingly blamed on wheat.

She settled upon glyphosate herbicides like Roundup. I was surprised to learn that, according to the healthy home economist, "conventional wheat farmers" (her words, not mine) often sprayed their wheat with glyphosate to kill the wheat plants to aid with harvest. This surprised me since I am one of those "conventional wheat farmers" and I have never put this practice to use or seen any of my neighboring "conventional wheat farmers" utilize it either, even though she said it was common.

Okay, so I have heard of farmers using an herbicide to kill weeds in wheat as a last-ditch effort to rescue a crop due to weather or herbicide failure but that is exceedingly rare. Maybe this is a practice in other types of wheat but not here in the Wheat State. An expert was quoted saying that the wheat was sprayed

seven to ten days before harvest and this made the wheat plant release more seed (I have a degree in agronomy but I must have missed that course). She went on to say that farmers then combined the wheat with glyphosate residue in the kernels.

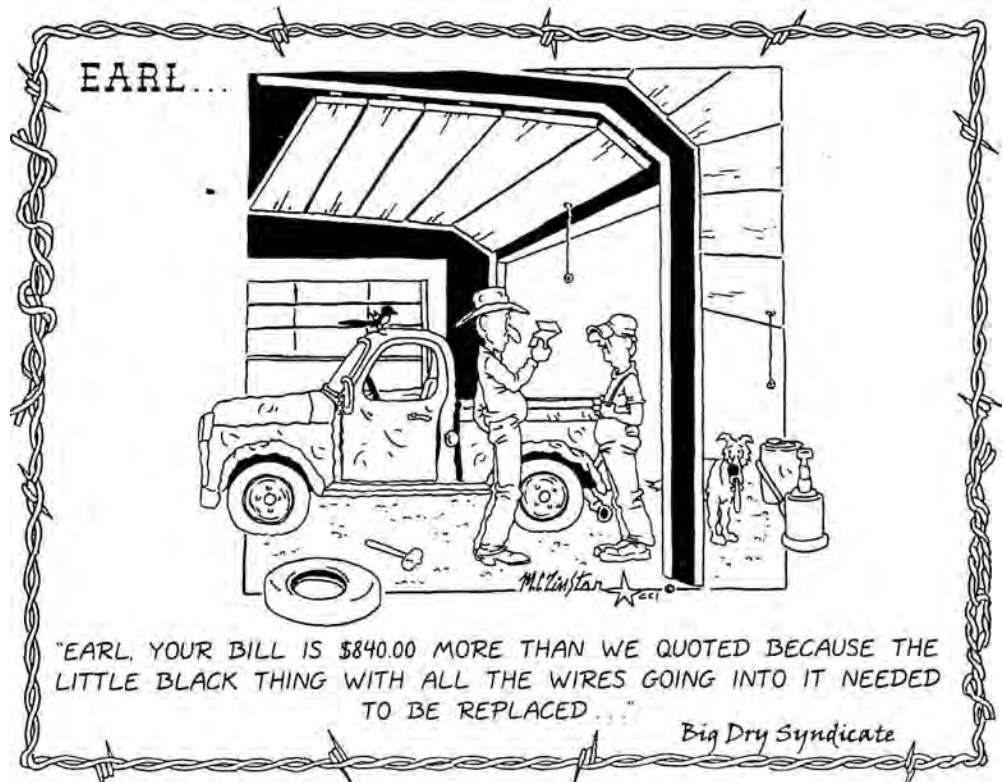
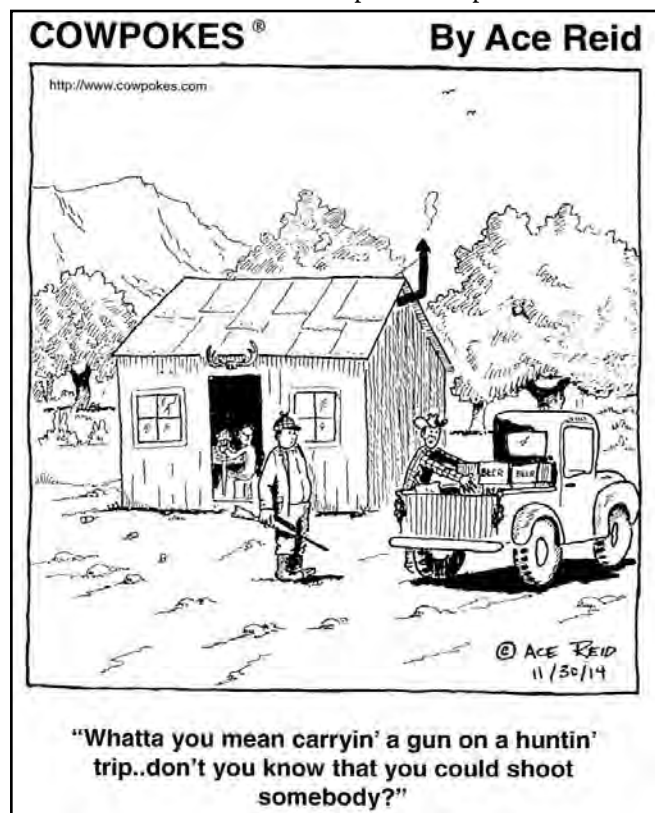
A nice little anecdote about Monsanto salesmen drinking Roundup to prove its non-toxicity was included. Again, this is a practice I have never witnessed. She went on to reference a little-known study that said while Roundup was not immediately toxic that it disrupted enzymes (which it does in plants so it surely does the same in humans) and caused ailments currently attributed to gluten intolerance. Wow, now if that is not the mother of all inferences I don't know what is.

I could go on and on about how poor the science was behind this and even go into greater lengths about how this is not a common practice, but that is not my point. This blog made the rounds and probably is still bouncing around and it carries about as much credibility as Amish popcorn. The sad state of affairs is that many of our customers out there really do not have any idea where their food comes from or how it is produced and they are prime targets for bad information. This is extremely frustrating and even maddening. You feel like the little Dutch boy plugging holes in the dikes. You stop one rumor and another one pops up in its place. What do we do?

I know I sound like a broken record but as farmers and ranchers we need to keep telling our story. We need to share the science and technology that goes into producing the food, but that is not enough. We also need to let our consumers get to know us and build that level of trust. We do produce their food in a manner that is safe for them and the environment, despite what the "experts" might say.

Some of this is just funny like my Amish popcorn, gluten-free steak, grass-fed pork or non-GMO Cheerios. But it does go to prove just how gullible we are when it comes to what we eat and buzzwords and fads that spring up from our lack of knowledge.

Now pardon me as I try to figure out just how to work the Amish microwave I bought on Aisle 3.



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Kansas Beginning Farmers Coalition to hold third annual meeting in Manhattan

The Kansas Beginning Farmers Coalition (KBFC) invites beginning farmers and ranchers of all ages to its third annual meeting, Saturday, December 6, 2014 at Four Points by Sheraton Hotel in Manhattan. The event is being held in conjunction with Kansas Farmers Union's annual convention which takes place December 4-5.

Cody Holmes of Rockin' H Ranch and Real Farm Foods near Norwood, Mo. will serve as keynote speaker, presenting four different sessions geared toward beginning farmers and ranchers. Holmes, his wife Dawnell, and their daughter Taylor raise seasonal produce and free-range chicken, pork, beef, lamb, turkey, eggs, cheese and milk without the use of antibiotics and chemicals. Holmes is also the author of *Ranching Full-Time on Three Hours a Day* and articles published by *Acres USA*, *Stockman Grassfarmer*, and *In Practice*, the publication of Holistic Management International. He shares his thoughts through his www.holisticsystemsforstockmen.net blog, and Cody's Corner group on Facebook.

Over the years, Rockin' H has added numerous specialty crops and livestock to the operation starting with

the highly profitable and sustainable Katahdin sheep, foraging pigs, Jersey milk cows, and bug-chasing chickens and turkeys. A few years later, browsing dairy goats were added, bringing raw goat milk and artisan cheeses to the mix, and then he brought along a whopping herd of 1,200 Spanish meat goats to the farm. In 2009, Rockin' H began Farm to Home Delivery through a few drop-offs after the farmers market season ended in the winter. Today, 100 customers in a 200-mile radius area buy meat, cheese, milk and produce weekly.

Rockin' H Ranch also offers internships and apprenticeships throughout the summer months each year. Internships offer young men and women the opportunity to live and work alongside the Holmeses while gaining ranching and gardening experience. Apprentices have the opportunity to learn every aspect of farm management for every enterprise on the ranch with Holistic Systems style of management.

Meeting topics include: USDA Rural Development Beginning Farmer Opportunities in the 2014 Farm Bill

Kansas Forest Services available to Beginning Farmers and Ranchers -

Farm Planning; Conservation Tree Planting; Specialty Crops, Fruit, Lumber and Christmas trees

The Early, Transition, and Regenerative Years - The Evolution of Rockin' H Farms and Real Farm Foods

Insurance for Small Farms - Options for Diversified Small Farms from Midwest Regional Agency

Sustainable Agriculture Programs For Kansas Farmers - KCSAAC & SARE Programs

Direct Sales and Marketing - Adding More Value to Your Farm, Ranch, & Revenue

Speakers include USDA Rural Development state director Patty Clark; Kansas Forest Service's Larry Biles; Jeff Downing with Midwest Regional Agency; and Kerri Ebert with Kansas Sustainable Agriculture Research & Education (SARE) and Kansas Center for Sustainable Agriculture & Alternative Crops (KCSAAC).

An additional highlight includes a mid-day tour of GreenFin Gardens, a pioneering aquaponic hatchery & farm in its fourth season in Pottawatomie County,

specializing in pure blue tilapia, figs, and bananas. For the past several years, GreenFin has been strictly a wholesaler, supplying some of the leading retailers in the industry with blue tilapia fry and fingerlings. This year they have expanded into retailing, offering end customers the chance to save money by cutting out all the middlemen and buying direct from a primary producer. Along the way, they've developed some interesting experimental gardening systems, including a semi-pit tunnel greenhouse, aquaponics tunnel, and tilapia garden pond.

KBFC members, guests, and the general public are invited to attend the meeting. Registration for the day for beginning farmers is \$10 thanks to a generous donation from Midwest Regional Insurance Agency. Registration for all others is \$20 per person. Registration covers lunch and the farm tour. KFU will provide childcare during the day with games, toys, and activities available to children of attendees. When registering, please note the number of children and their ages.

Sen. Jerry Moran calls on USDA to listen to producers, not create new beef checkoff

U.S. Sen. Jerry Moran (R-Kan.) – a member of the Senate Appropriations Agriculture Subcommittee – recently called on U.S. Department of Agriculture (USDA) Secretary Tom Vilsack to listen to feedback from producers in Kansas and across the country who have real concerns about the creation of a new beef checkoff under the Commodity Promotion, Research and Information Act of 1996.

"Cattlemen have been loud and clear in their objections to a new beef checkoff," Moran said. "I am deeply concerned that USDA is ignoring the voices of producers. I believe changes to the checkoff should be supported by producers, and not forced upon them by the federal government."

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TRACTORS: 1981 JD 2940 MFWD SN#294SV-418510L, 4300 hrs, 4 post rollbar w/soft cab 18.4x34 3pt, pto w/JD 260 Loader (sells as a unit); 1997 JD 5200 Diesel, SN#621260, 45hp, 1988 hrs, 3pt, pto, rollbar; 1957 JD 620 SN# 6204932 WF, PS, 3pt, Rubber 80%, parade ready; 1938 JD B SN# 54056 NF, parade ready; IH 2606 Tractor, WF, 3pt, w/ HD Loader, Hyd. Bucket; MF 2135 Tractor, WF, 3pt, pto, w/ HD MF 200 Loader, Hyd. Bucket; Ford 8N, 4 speed; 1941 Farmall M, NF, SN#FBK39929X1; Bill-Jax-45XA All-Terrain Lift, Powered by Gas engine or Electric, 45' Platform Reach, Swivel Bucket option, Only used 45 hrs.

TRUCKS: 2000 Sterling 9500, Day cab, C10 Cat, 335hp, 140K miles, AC, 5th whl., Spring Ride, Dual Axle 22.5 rubber 75%, 13 speed; 2004 GMC 2500, 4x4, Duramax Diesel, Allison Auto, 4 dr. Crew Cab, 6' bed 194K, AC, 2 sets good rubber; 1995 Ford F350 Dually, Flatbed, 5.8L, Manual Trans., Air, High mileage; 1968 Ford F350 Dually, 4 speed, 9' flatbed; Flatbed 7'8"x9'3" w/5 compartments, fi ti dually truck; Flatbed 6'6"x10'.

TRAILERS: 1996 Boss GN Stock Trailer, 6'8"x20', center slide gate, good rubber, no rust, very clean, little use; 1999 Traveling GN Stock Trailer 6'8"x20', center gate; 1998 Combine Trailer, 5th whl., 28'6", Dual Tandem Axles, very good; Bumper Hitch 8'x24' Flatbed Trailer, 2 Axles; Bumper Hitch 6'8"x16' Flatbed Trailer, 2 axles, Ramps; Bumper Hitch Car Trailer 16'.

COMBINE-HEADER: JD 9500 SN# 645439, 4864/3556 hrs, Hydro, 30.5x32/14.9x24, GS yield monitor, Vitteto chaff spreader, Chopper, Bin ext., 9510 updates; JD 925F Flex Platform, SN# 696946, Full Finger Auger, pickup reel, Hyd. raise/lower, Hyd. fore/aft, poly skid plates.

FARM EQUIPMENT: Great Plains Drill, Solid Stand 30' Folding, DD; Great Plains Drill, 3pt, 15' Solid Stand, DD. ga. Wheels; JD 1000 Field Cultivator, 21'6"; Hyd. Fuld, Harrow attach.; NH 618 Manure Spreader, PTO, 10:00 truck tires, Hyd. Gate; Degelman Dozer Blade, 9' STD, JD 4430 mountings; Willmar 5 Ton Spreader, pto; 3- 4 Wheel Running Gears; 3 Sets Axles w/coil spring suspension; Fergu-

son Plow, 2x14", 3pt; BMB Rotary Mower, 5', 3pt; Dump Rake, Steel Wheels, Seat, Old; Rhino SR120 Rotary Mower, 10', 3pt; Nurse Trailer, 1000 gal. w/ gas water pump; MF Mower 9' sickle, 3pt; King Cutter Landscape Rake 8', 3pt, new condition; PHanes & Wilkers Grain Cart 400 bushel; AC Hay Rake, 3pt, pto, 8'; Vasser Dirt Scoop, 3', 3pt.; King Cutter Rear Blade, 3pt, 5'; Rhino SPHD Post Hole Digger, 3pt, 12" auger; Skid Loader Brush Pusher HD.

LIVESTOCK EQUIPMENT: Cattle Tub, 12' w/ 4 gates, walk gates, alley way; WW Squeeze Chute; 3- 12 Ton Bulk Bins, Cone Bottom; 2- Big Porky Hog Feeders, 65 bu. (never used); 7'x12' Cattle Crossing, HD sq. Tubing; 9' Pipe Posts, 6" OD; Livestock Gates; 4- 4'x12" square tubing, 3/16 wall x 40'-4"; Continuous Panel Fence; asst. of Round & square tubing; 600' 8" Z perlings; Cattle Squeeze Chute.

HAY
200- Brome Bales, net wrapped 100- Brome Bales, net wrapped 200- Brome Bales, small squares

MISCELLANEOUS: 6' Chainlink Fence (several feet); 4' Chainlink Fence (several feet); 70K BTU Fuel Oil Heater; Cut Lumber Walnut, Ash, Oak; Wood Lathe; acetylene Torch & welder.
Partial listing of Al Brey personal property. Al has sold his building & is retiring offering a collection of items for over 65 years. Many items too numerous to mention. Must see to appreciate. 3pt. center links & drawbars, several; Contractor Table Saw, 1.5hp elect. motor; Shop Fan, Kerosene heater, Large Office Desk; sev. cabinets & desks (old); Floor scales (Fairbanks) 500#, metal & wood; Hand well pumps, Pump Jacks, Pipe Vise; Electric grind stone (old), Vacuum Pump 1.5hp, Hog Oiler; Chevy, Olds, Cadillac Memorabilia; asst. of GM hub caps (old like new); Old Single Room School House Dictionary large version (very old); Lots of Cast Iron tools, Old Irons (cast w/wooden, metal handles); Horse collars, reigns, bells; Shop tools, hand tools, garden tools, shovels; Dump Rake steel wheels (set); sev. sets of hand tools, shovels, fencing supplies; Used tires various sizes; several Household Items & Antique furniture.

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BREAKFAST 7:00-10:30 LUNCH TILL END OF SALE PROVIDED BY ST. JAMES ALTAR SOCIETY

Farmland now available via On Demand digital platforms

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About Farmland

Many Americans have never stepped foot on a farm or ranch or even talked to the people who grow and raise the food we eat, yet are increasingly passionate about understanding where their food comes from. *Farmland* takes the viewer inside the world of farming for a first-hand glimpse into the lives of six young farmers and ranchers in their twenties. Through the personal stories of these farmers and ranchers, viewers learn about their high-risk/high reward jobs and passion for a way of life that has been passed down from genera-

tion to generation, yet continues to evolve.

Produced by Moll's Allentown Productions, *Farmland* received notable attention during its theatrical run securing reviews in several national mediums and recognition in film festivals across the country, including Atlanta, Cleveland and Newport Beach, Calif. The film also earned a 92 percent audience rating on RottenTomatoes.com.

Farmland was made with the generous support of the U.S. Farmers & Ranchers Alliance®.

Check out the official trailer for the feature length documentary at farmlandfilm.com.

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Melody Games, 502-229-6688 or Kevin Nelson, 620-245-7236, Big Iron Sales Representatives



• **Fisher Lumber Company, Josh Cook, 316-616-7927, Garden Plain, KS 67050:** '97 GMC TopKick 7500 Boom Truck.
Melody Games, 502-229-6688, Big Iron Sales Representative

• **James Hewes, 620-271-2742, Ingalls, KS 67853:** '10 Parker 839 Grain Cart; '91 JD 7300 Max Emerge Planter; '83 Spray Rite Controlled Droplet Applicator Front Boom Sprayer; '81 Sunflower 1430-24 Disk; '78 JD 9300 Hoe Drill; '96 Saddle Tanks; '89 Quin-star Follow Master Field Cultivator; '66 Big Ox 13 Shank V-Ripper; '74 Flex-King R-48 Rod Weeder.
Todd Hubbard - 620-271-3656, Big Iron Sales Representative

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TERMS: \$10,000 down day of sale.; balance due in 30 days. Sellers guarantees clear title.

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PERSONAL PROPERTY



SATURDAY, DECEMBER 6 — 10:00 AM
2323 North Jackson — JUNCTION CITY, KS

FURNITURE: Homemade Mahogany China Cabinet, 2-Night Stands, Coffee Table, Desk, Antique Full Size Wood Headboard/Frame, Full Size Mattress Set, Round Table w/4 Chairs, Oak Computer Desk, End Tables, Desk, Singer Sewing Machine, 2-DVD Players, DVD Recorder, Turntable, Quilt Rack, Storage Bench On Wheels, Lamps, 2010 LG Flat Screen TV, **PISTOLS, GLASSWARE & COLLECTIBLES:** (Guns sell at 1:00 PM) RG Model 14 .22LR Pistol SN L652737, CDM .22LR Pistol SN 5N28230, Vintage Glassware (Sandwich Pattern), Sango 10 Place Setting (Garland Pattern) China, Margarita & Martini Glasses, Beer Glasses & 2-Pitchers, Punch Bowl Set, American Fostoria, 2-German Beer Mugs, Cookie Jars, Party Trays & Plates, Silver Tray & Tea Set, Antique 8 Hour Key Wind Mantle Clock, **KU NATIONAL CHAMPIONSHIP CLOCK**, Howard Miller Mantle Clock, 2-Small Quilts, Antique Saltine Cracker Tin, Oil/Kerosene Lamps, Antique Salt & Pepper, Vintage Lunch Box, Antique Toys, Farm Toys, Dresser Set, Cabbage Patch Doll (Mint Condition in Box), Vintage GI Joe Box, Train Set, Wooden Train Set, Hot Wheels Box, Box Of Tonka Toys, Box Of Antique Toys, Box Of Comic Books, Star Wars Figurines 1977 Thru 1985, GI Joe Figures 1982 Thru 1985, **TOOLS & MISCELLANEOUS:** Craftsman Cordless Power Drill, Orbital Sander, Electric Sander, Tree Saw, Hand Saws, String Trimmer, Assorted Tools/Screws/Hardware, Tool Bits & Hardware, Lawn Sprinklers, Electric Fans, 2-1 Gallon Fuel Cans, Propane Tanks, 2-Empty Tool Boxes, Ammunition Crate, Stainless Steel Hand Meat Grinder, Bar Lights, Budweiser Mirror, Box Of Vases, Wall Pictures, Bedding, Kitchen Glassware/Cookware, Binoculars, Box Of Books, Childs Books, 3-Jewelry Boxes, Weather Vane, Luggage, Board Games, Hot Wheels Track, Erector Set, Board Games, Remote Control Cars, Tupperware, Coolers, Footlocker, Lawn Fertilizer Applicator, Floor Rugs, 8 X 12 Rug (Good Condition), 7-Folding Chairs, Ceiling Lamp, Picnic Basket, Barite Water Filter, Polaroid XX70, HP Digital Camera, Various Radios & Strobes, Bath & Body Collection, Golf Bag Handcart, Pictures, Christmas Tree & Decorations, Large (Propane) Outdoor Grill, **MANY, MANY MORE ITEMS TO NUMEROUS TO LIST.**
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Margie Wohler, Randolph, Wins Second Holiday Recipe Contest

Margie Wohler, Randolph: "Makes for a little different flavor for a Christmas snack tray."

PEACHES 'N' CREAM BARS

8-ounce tube refrigerated crescent rolls
8-ounce package cream cheese, softened
1/2 cup sugar
1/4 teaspoon almond extract
21-ounce can peach pie filling
1/2 cup all-purpose flour
3 tablespoons cold butter
1/2 cup sliced almonds
1/4 cup packed brown sugar

Unroll crescent dough into one long rectangle. Press onto the bottom and slightly up the sides of a greased 9-by-13-by-2-inch baking pan; seal perforations. Bake at 375 degrees for 5 minutes. Cool completely on a wire rack. In mixing bowl beat the cream cheese, sugar and extract until smooth. Spread over the crust. Spoon pie filling over cream cheese layer. In a bowl combine flour and brown sugar. Cut in butter until mixture resembles coarse crumbs. Stir in nuts and sprinkle over peach filling. Bake at 375 degrees for 25 to 28 minutes or until edges are golden brown. Cool for 1 hour on a wire rack. Store in refrigerator. Yields about 2 dozen.

Beverly Sundgren, Leonardville: "This was shared with me from my daughter-in-law Lori of California. A change from the traditional cranberry sauce."

ANISE PEAR-CRANBERRY SAUCE

2 Bosc pears
3/4 cup sugar
1 orange
1 star anise or 3/4 teaspoon anise seeds
1 cinnamon stick
1/2 cup honey
3 cups fresh or frozen cranberries

Rinse, peel and core pears; cut into about 1/2-inch cubes. Grate enough orange peel (at least 1 1/2 teaspoons). Juice from orange ... add enough water to have 1/2 cup. Stir orange juice, peel, sugar, anise and cinnamon stick until sugar dissolves. Stir honey and pears. Bring to a boil then reduce heat to medium. Stir occasionally

until edges of pears are tender (6 to 8 minutes). Stir in cranberries. Cook stirring constantly until cranberries begin to pop and pears are tender. Let cool.

Louetta Erwin, Emporia: "This is a very good recipe. I always make it for the holidays. It also freezes well."

CRANBERRY-ORANGE BREAD

2 cups sifted flour
1 1/2 teaspoons baking powder
1/2 teaspoon soda
1/2 teaspoon salt
1 cup sugar
2 tablespoons shortening
Grated rind & juice of 1 orange + water to make 3/4 cup
1 egg, beaten
1 cup cranberries, cut into halves

Mix flour, baking powder, soda, salt and sugar. Mix in thoroughly the shortening,

grated rind-juice-water, egg and cranberries. Pour into greased loaf pan. Bake at 350 degrees for about 1 hour or until toothpick stuck in center comes out clean.

Linda Kepka, Dorrance: **PUMPKIN COOKIES**

3/4 cup margarine
1 1/2 cups sugar
2 eggs
2 cups pumpkin
3 3/4 cups flour
1 1/2 teaspoons baking soda
1 1/2 teaspoons cinnamon
1 1/2 teaspoons cloves
1 1/2 cups raisins

Cream margarine and sugar. Add eggs and pumpkin. Sift flour, soda and spices; then add to mixture. Stir in raisins. Bake at 375 degrees for 10-12 minutes.

Katrina Morgan, Americus:

CHERRY DELIGHT

Crust:
18 graham cracker squares (crushed)

1/4 cup sugar
1/4 cup margarine, melted
Mix and reserve 3 tablespoons of cracker mixture for topping. Press into a 9-by-9-inch baking dish.

Filling:

1/2 cup sugar
8-ounce package cream cheese, softened
8-ounce container frozen whipped topping, thawed
1 can cherry pie filling

Mix sugar with cream cheese. Fold in whipped topping. Spread half of the cream cheese mixture on graham cracker crust. Spread pie filling over layer. Spread the rest of cream cheese mixture over cherries. Sprinkle reserved graham crackers on top. Refrigerate 2 hours or overnight before serving.

Beth Scripter, Abilene: "Enjoy!"

2014 Grass & Grain Holiday Recipe Contest

CARAMEL PARTY MIX

2 sticks of butter
2 cups of brown sugar
1/4 teaspoon salt
1/2 cup white corn syrup
1 teaspoon baking soda
1 can salted peanuts
1 large box Chex or Crispix cereal
1 medium bag of M&Ms

In large brown paper bag, mix together the cereal and the peanuts and set aside. Combine butter, brown sugar, salt and corn syrup in a heavy saucepan and bring to a boil. Boil 1 1/2 minutes, stirring constantly. Remove from heat and add baking soda, stirring to combine (and it will foam up). Pour caramel mixture over cereal/peanuts. Roll top of bag down and microwave for 60 seconds. Take out of microwave and shake bag. Repeat microwave step two more times, shaking bag after each time. Dump caramel onto wax paper, quickly separating pieces. Allow to cool completely before adding bags of M&Ms. Store in air-tight containers.

Millie Conger, Tecumseh: **HOLIDAY MORNING PANCAKES**

1 cup maple syrup
1 2/3 cups fresh cranberries, divided
2 cups Bisquick
3/4 cup whole milk
1/2 cup sour cream
2 large eggs, beaten
1/4 cup brown sugar

Syrup:

In saucepan, bring maple syrup and 1 cup cranberries to a boil over medium-high heat. Reduce heat and simmer, stirring occasionally, for 15 minutes or until cranberries begin to burst. Let cool to room temperature, then cover and refrigerate for up to 1 week.

Pancakes:

In bowl, whisk baking

mix, milk, sour cream, eggs and brown sugar. Stir in remaining 2/3 cup cranberries. Pour batter by 1/4 cup onto hot griddle sprayed with non-stick spray. Cook for 2 minutes or until tops are covered with bubbles and edges look dry; turn and cook for 1 to 2 minutes. Serve with the syrup above.

Shirley Deiser, Kanopolis: **BLONDE BROWNIES**

2/3 cup butter, melted
2 cups light brown sugar, packed
2 eggs
2 teaspoons vanilla
2 cups flour
1 teaspoon baking powder
1 teaspoon salt
1 cup semi-sweet chocolate chips
1 cup chopped walnuts

Preheat oven to 350 degrees. Spray a 9-by-13-inch pan with cooking spray. Combine butter and sugar and beat with an electric mixer at medium-high until creamy. Add eggs and vanilla and mix well. Combine flour, baking powder and salt. Stir into egg mixture. Stir in chocolate chips and nuts. Batter will be stiff. Pour batter into pan. If desired sprinkle more nuts and chocolate chips on top. Bake for 35 to 40 minutes or until toothpick comes out clean. Let cool and cut in squares.

Barbara Barthol, Olathe: **"NO EGGS IN THIS CAKE!" WACKY CAKE**

1 1/2 cups flour
1 cup sugar
1 teaspoon soda
1/4 cup cocoa
1/2 teaspoon salt

Using a 11-by-7-by-1 3/8-inch pan sift all ingredients into pan you will bake in. Make 3 wells in ingredients and pour 1 tablespoon vinegar in 1 well

1 teaspoon vanilla in 2nd well
1/3 cup vegetable oil in third well

Pour 1 cup water over all ingredients. Mix well and bake at 350 degrees for 25 to 30 minutes.

Ireta Schwant, Blaine: **SUNFLOWER SEED COOKIES**

1 cup margarine
1 cup brown sugar, firmly packed
2 eggs
1 teaspoon vanilla
1 1/2 cups flour
1/2 teaspoon salt (more if you like cookies more salty)
3/4 teaspoon soda
3 cups rolled oats
1 cup sunflower seeds

Cream margarine and sugar thoroughly. Add eggs and vanilla, beat well. Add flour, salt, soda and rolled oats. Mix thoroughly. Blend in sunflower seeds. Form into long rolls. Wrap in clear plastic film and chill. Slice off cookies and bake on ungreased cookie sheet at 350 degrees for 10 minutes.

Kellee George, Lawrence: **PEPPERMINT STICK PIE**

3 pints peppermint ice cream
1 chocolate crumb pie shell
12-ounce jar fudge ice cream topping
Coarsely crushed candy cane or round peppermint candies

In a chilled bowl stir ice cream until softened. Spoon ice cream onto pie shell, spreading evenly. Return to freezer for at least 4 hours. To serve, warm the fudge topping in the microwave oven. Let pie stand at room temperature for 5 minutes before slicing. Serve with warmed topping. Sprinkle with crushed candies.



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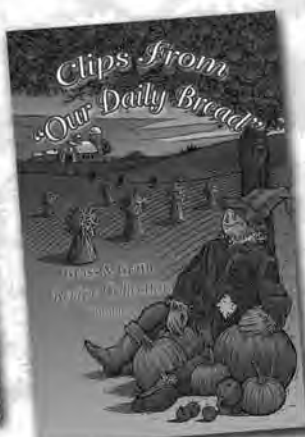
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2014 Grass & Grain Holiday Recipe Contest

Claire Martin, Salina:
"Great with coffee and for the Christmas season!"

CRANBERRY WALNUT TART

1 cup flour
1 cup sugar
1/4 teaspoon salt
2 cups frozen or fresh cranberry
1/2 cup melted butter
1/2 cup chopped walnuts
2 eggs, beaten
1 tablespoon almond extract

Preheat oven to 350 degrees. Spray a 9-inch tart pan or pie plate with nonstick cooking spray. In a medium bowl mix together flour, sugar and salt. In a small bowl mix eggs and almond extract to cooled melted butter to blend. Stir wet ingredients into dry ingredients. Gently blend in cranberries and walnuts. Spread into prepared pan (batter will be thick) and bake about 40 minutes or until slightly browned on top. Best served warm.

Rose Edwards, Stillwater, Oklahoma:

SPICY CHERRY CREAM CHEESE SPREAD

1/2 cup cherry preserves
1 teaspoon chili sauce
8-ounce package cream cheese

Mix preserves and chili sauce until blended. Place cream cheese on serving plate and top with cherry mixture. Serve with favorite crackers.

Margaret Trojan, Beaver Crossing, Nebraska:

GOLDEN GRAHAMS S'MORES

3/4 cup light syrup
3 tablespoons butter
1 package milk chocolate or semisweet chocolate chips (I like to use milk chocolate & butterscotch chips, divided 1 cup)
1 teaspoon vanilla
12-ounce package Golden Grahams cereal (9 cups)
2 cups miniature marshmallows

Grease a 9-by-13-inch pan. Microwave syrup, butter and chips in a 4-cup microwave bowl uncovered for 1 1/2 minutes until large bubbles form on surface, about 2 1/2 minutes longer. Stir in vanilla. Pour over cereal in bowl and

toss until coated. Fold in marshmallows, 1 cup at a time, and press into pan with buttered back of spoon. Let stand 1 hour. Cut into 2-inch squares. Store in loosely covered container at room temperature.

Lisa Winberry, Topeka:

CRANBERRY WHITE CHOCOLATE MACADAMIA NUT COOKIES

1 cup unsalted butter
1 cup sugar
1 cup brown sugar
2 eggs
1 tablespoon vanilla
2 1/4 cups flour
1 teaspoon soda
3/4 teaspoon salt
2 cups white chocolate morsels
1 cup dried cranberries
1 cup macadamia nuts

Set oven to 350 degrees. Line baking sheets with parchment paper. In large bowl, beat butter and sugars with a mixer at medium speed until fluffy. Add eggs, one at a time, beating well after each addition. Beat in vanilla. In medium bowl, whisk together flour, soda and salt. Gradually add flour mixture to butter mixture, beating until combined. Stir in chocolate, cranberries and nuts. Using a 1 3/4-inch scoop, drop dough 2 inches apart onto prepared pans. Bake for 10-12 minutes or until lightly browned. Let cool on pans for 5 minutes. Remove from pans and let cool completely on wire racks. Store in air-tight containers up to 5 days.

Lydia J. Miller, Westphalia:

HOMEMADE ICE CREAM

4 eggs
2 cups sugar
1 package Dream Whip
3-ounce package any flavor instant pudding
Milk

Mix eggs, sugar, Dream Whip, pudding and a little milk. Pour into ice cream freezer canister. Fill canister with milk to 2/3 full (may use 2 pints of half & half and the remaining with milk; makes ice cream richer). Place canister in ice cream freezer, add salt and ice and mix until done.

SNOW ICE CREAM

1 egg
3/4 cup sugar
1 cup milk
1 1/2 teaspoons vanilla
Dash of salt
Clean fresh snow
Beat eggs then beat all ingredients together, except snow. Add snow until thick.

Bernadetta McCollum, Clay Center: "This recipe is a family favorite. Our mother made it quite often in the fall when the apples were plentiful. Never any left."

"EASY AS PIE"

APPLE DESSERT

2 cups water
2 cups sugar
1/2 stick of butter
1 teaspoon cinnamon
1/2 teaspoon nutmeg
Double pie crust
5 cooking apples

Put the water, sugar, butter, cinnamon and nutmeg in a small pan and heat on medium heat until butter has melted; set aside. Roll out pie crust. Peel apples and slice them onto the crust. Roll up jelly roll style. Slice about 1-inch thick and put in a 9-by-13-inch pan. Pour the liquid over this. Bake at 425 degrees for 15 minutes. Reduce heat to 350 degrees and bake until liquid is cooked up & dough is done, about 30 minutes.

Lucille Wohler, Clay Center: "A little different bean dish."

SWEDISH BROWN BEANS

(2) No. 2 cans kidney beans
3/4 cup brown sugar
6 tablespoons finely chopped bacon
1/4 teaspoon cinnamon
4 tablespoons vinegar
1/4 teaspoon nutmeg

Mix and ingredients in a pan. Simmer to reduce liquids. Salt and pepper to taste.



Season of Gratefulness

By Lou Ann Thomas

I love Thanksgiving and having a day to focus on that for which we are thankful, but I think we should do that more frequently than one day a year. Honestly, I believe we should spend time focusing on things we appreciate every day. It's too easy, with our speed-of-light paced lives and overflowing calendars, to focus on that which we see as less than gratitude-worthy.

I admit that I was feeling rather blue last week. I missed my family and was throwing myself a Pity Party for not having anyone with whom to share the holiday. Fortunately I didn't stay in there long. As a friend once told me, "It's okay to go to a place of sad and lonely, just don't buy a condo there." So choosing to not acquire real estate in a place I really didn't want to

live, I began thinking of ways to move myself out of my funk.

The holidays can be a challenging time for many of us, even if we have families around, sometimes because we have families around. With the media reporting everything bad that is happening, juxtaposed with images of perfect families gathered around the tree or table, we can start to feel like somehow the party bus not only left without us, but has run over us on its way out of the station.

However, at its most basic, how we feel is up to us. It's a matter of choosing our focus. It's a Universal Law that

we attract whatever we focus upon. Last week when I was focused on what I didn't have I felt lousy and sorry for myself. Focusing on what we don't have can create an ever-deepening pit of darkness and lack. On the other hand, focusing on what we have cannot only lift us up, but create a string of even more good in our lives. It's a choice of where we place our attention, and that's a choice only we can make for ourselves.

So in the midst of my feeling sorry for myself last week I made a list of all the things for which I feel appreciation. Before long I had a page full of things that warm my heart and make me feel blessed, and soon the Pity Party was transformed into a lively day filled with music, dancing, glitter and feelings of connection and gratefulness — all through the grace of choice.



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G&G Announces Its Annual Holiday Recipe Contest

Nov. 25 through Dec. 23

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

Recipes received NOW through DECEMBER 12 will be entered in the holiday contest. Enter as often as you like during this period.

Holiday Greeter with Glowing Lantern

This sweet Holiday Greeter with Glowing Lantern will put a smile on your face every time you come home. He carries an old-time lantern with glow-in-the-dark panels and his hat curves into the shape of a heart for an adorable look. Makes a charming accent piece indoors, too.

- Approx. 13 3/4" x 7" x 6-1/4"
- Cold cast ceramic and metal
- No battery or solar panel necessary



BONUS DRAWING

Second chance to win! The names of all contestants will be entered in a drawing from which four names will be chosen. Each of these four contestants will receive \$35. Winners will be announced Dec. 23.

The winner each week is selected from the recipes printed.

Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you.
1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear.

2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery.
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Holiday Time Is Turkey Time! Safety First!

Holidays are times we share the kitchen with family and friends. But the merriment can change to misery if food makes you or others ill. Consumers play a huge role when it comes to safe food handling practices. Below are some of the common home food safety concerns when handling

turkey (or ham, beef, pork or other meat):

Don't Leave the Turkey Out for More Than Two Hours!

Thawing a frozen turkey on the counter or in an unheated oven for several hours is not safe. Many wonder about leaving cooked turkey on the buffet all day. Unfortu-

nately, if turkey or another perishable food spends more than two hours at room temperature, it should be thrown away. Why? Temperatures between 40 to 140 degrees F. are called the "Danger Zone," where dangerous bacteria can multiply rapidly in perishable foods. These bacteria can make you very sick if you then eat that food.

Don't Roast the Turkey at a Too-Low Temperature!

Some consumers think it is okay to roast a turkey overnight in an oven set at 200 to 250 degrees F. This cooking method is not hot enough to keep a perish-

able food out of the Danger Zone. The USDA recommends cooking meat and poultry at temperatures of 325 degrees F. or hotter.

Don't Buy a Fresh Turkey, or Thaw a Frozen Turkey, Too Early!

Some consumers make the mistake of buying their fresh holiday turkeys too early. USDA recommends buying a fresh turkey no more than two days before you plan to cook it. Also, be sure to plan ahead when thawing a frozen turkey, so that it's not thawed too far in advance. Allow 24 hours of thawing time in the refriger-

erator for every 4 or 5 pounds of frozen turkey.
Don't Forget to Use a Food Thermometer!

Many cooks say that they used visual clues (such as color) to determine whether the turkey was done. The problem is that you can't tell by looking! A whole turkey is thoroughly cooked when it reaches an internal temperature of 165 degrees F. Some may get confused or forget the different temperatures needed when cooking foods. An easy way to remember this is "If it flies, cook it to 165!" Check your turkey's temperature in two places. Insert the food thermometer in the innermost part of the thigh, and in the thickest part of the breast. If the temperature is below 165 degrees F., continue to cook it and check its temperature again later.

Although I hope you never have to deal with foodborne illness, it is nice to be informed of typical symptoms of foodborne illnesses. Vomiting, diarrhea, and flu-like symptoms can start anywhere from hours to days after contaminated food or drinks are consumed. For most healthy people, these will not last long and usually will go away within a matter of hours

or days without medical treatment. But foodborne illness can be severe or even life threatening to anyone, especially those most at risk:

- older adults
- infants and young children
- pregnant women
- people with HIV/AIDS, cancer, or any condition that weakens their immune system
- people who take medicines that suppress the immune system; for example, some medicines for rheumatoid arthritis

Take the proper steps to prepare your holiday meal to avoid foodborne illness!

If you have more questions, visit <http://www.foodsafety.gov/index.html> to learn how to safely plan, select, thaw, and prepare a turkey or check out these turkey resources at FoodSafety.gov.

If you have additional questions about cooking a turkey call, the USDA Food Safety Hotline at 1-888-MPHotline (1-888-674-6854). For more information about this or other food safety issues, contact Erin Tynon, Family and Consumer Science Agent, Pottawatomie County Extension Office, 785-457-3319. Email: Etynon@ksu.edu

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2013 JD 5100E, 2Hrs, MFWD, CAH, 18.4-30 R1
2013 JD 5100E w/553 Loader, 35Hrs, MFWD, CAH, 18.4-30R1
2013 JD 5100E, 17Hrs, MFWD, 18.4-30 R1
2013 JD 5100M, MFWD, CAH, 420/85/R34
2002 JD 4310, MFWD Deck
2002 CHALLENGER MT755, 5015Hrs, 18" Tracks, PTO, CAH
1974 IH 574, 3000Hrs, 540 PTO
1951 FERGUSON T0-20, 540PTO
1962 IH B414, 540 PTO, 90" finish mower
2005 JD 7420, 3800Hrs, MFWD, 3SCV
1997 JD 7410, 7740Hrs, 2WD, CAH
1998 JD 9300, 4650Hrs
1963 JD 4010 w/Loader, 4000Hrs, 2WD, Syncro

1994 JD 7600, 4475Hrs, CAH,3SCV
1982 Mitsubishi S-630-D Tractor w/105Loader, 1110Hrs, MFWD, 12 Spd
2005 JD 6403 4WD Tractor, 2700Hrs, MFWD, 2 SCV
COMBINES:

2012 JD S660, 480/322 Hrs, PRWA, CM, Guid-ance Ready
2008 JD 9770 STS, 1530/1025Hrs, PRWA, CM, 20.8-42 R1 Duals
2009 JD 9870 STS, 1300/1000Hrs, PRWA, CM, 20.8-42 R1 Duals
2008 JD 9670STS, 1899/1317Hrs, CM
2007 JD 9660STS, 1459/1007Hrs, PRWA, CM, 680x50/32
2005 JD 9660STS, 2256/1430Hrs, PRWA, CM, 30.5x32
2004 JD 9660STS, 2100/1300Hrs, PRWA, CM, 30.5x32L
2003 JD 9760STS, 2600/2200Hrs, PRWA, CM
2002 JD 9550, 2685 Eng Hrs, PRWA, CM
2000 JD 9450, 2903/2224Hrs
1997 JD 9600, 4315/3067Hrs, PRWA, CM
2007 C-IH 2588, 2762/2203Hrs, Field Tracker
PLATFORMS & CORN HEADS:

2012 JD 608C Corn Head
2010 JD 608C Corn Head
2009 JD 612C Corn Head
2009 JD 635F Platform
2008 JD 608C Corn Head
2008 JD 630F Platform
2008 JD 635F Platform
2) 2007 JD 635F Platform
2004 JD 625F Platform
2002 JD 893 Corn Head
2002 JD 925 Platform
1998 JD 925F Platform
JD 925F w/ Crary Air Reel
2011 CLAAS MAXFLEX 1200 Platform, 40'
2007 C-IH 1020 Platform, 30'
2000 EZ TRAIL 672 Header cart, 30'
1993 JD 922 Flex Platform
SPRAYERS:

2009 JD 4730 Sprayer, 1709Hrs, 90' Boom, 20" nozzle spacing
2009 JD 4730, 2100Hrs, 100' Boom
1997 ROGATOR 854, 5000Hrs, 80' Booms, Hyd Tread Adjust
HAY & FORAGE:

2002 JD 6850 Self propelled Harvester, 3501Hrs, Auto Adjusting Stationary Knife, 2WD, 800/65 R32
2011 JD 568 Round Baler, 540PTO, net
2011 JD 568 Round Baler, 1000PTO, NET
2006 JD 568 Round Baler, 1000PTO, NET
2001 VERMEER 605XL Round

Baler, TWINE
1998 JD 566 Round Baler, 17055 Bales, 540PTO, NET
2003 JD 275 Disc Mower
Wofso 906 hyd. bale unroller 3PT
2013 Tri-L JD-2200 bale spike
DURABILT 931A Wheel Rake
2012 12-wheel Action Rake, 60" wheels
2005 JD 702 Rake, 8 wheel w/kicker
2009 NH H6750 Disk Mower, 9'2", 7 disks
2007 JD 285 Disk Mower
2006 JD 567 Round Baler, 8300 Bales, 540PTO
2008 HESSTON 5556 Round Baler
2003 NH 617 Disk Mower
TILLAGE:

2008 JD 637 Disk Harrow, 45', 9" Spacing
1999 JD 637 Disk Harrow, 32', 9" Spacing
1999 JD 980 Field Cultivator, 26'
1998 JD 630 Disk Harrow, 32', 9" Spacing
2001 JD 980 Field Cultivator, 41'
2003 JD 630 disk, 23', 9" spacing
2008 JD 637 Disk, 32'
DMI 730 DMI Ripper, 7 Shank
1990 JD 960 Field Cultivator, 30', 9" Spacing
2002 SUNFLOWER 1434-29 Disk, 29'
KRAUSE 1900 Disk, 25', 9" spacing
2006 C-IH 4300 Cultivator, 32'
1988 HUTCHISON 7600 Disk
2011 LANDOLL 7431-26 Vertical Till, 26'
2002 SUNFLOWER 1431 Disk, 35', 9" Spacing
1975 IH 490 Disk, 32', 9" spacing
PLANTERS:

2012 JD 1770 Planter, 16/31 Row
15/30" Flex Fold, Vacuum Meter, Row Command
2009 JD 1990 Seeder, 300 Acres, 40', 15" Spacing
2007 JD 1770NT Planter, 16 Row, 30" Flex Fold, Vacuum Meter
2005 JD 1770NT Planter, 23000 Acres, 16 Row 30" Flex Fold, Vacuum Meter
2005 JD 1790C Planter, 18400 Acres, 16/31 Row, 15/30" Spacing, Flex Fold, Vacuum Meter
2004 JD 1790 Planter, 16 Row, 30" Spacing, Flex Fold, Vacuum Meter
2003 JD 1790 Planter, 16/31 Row, 15/30" Flex Fold, Vacuum Meter
1998 JD 1760 Planter, Conservation, 12 Row, 30" Flex Fold, Fin-

ger Pickup
2002 KINZE 3600 Planter, 16/31 Row 15/30" Spacing
2009 GREAT PLAINS YP-1225-24-TR Planter , 24 Row, Flex Fold, Vacuum Meter System
1992 JD 7200 Planter
GRAIN HANDLING:

2009 MERIDIAN 240RT Seed Tender, Tarp, Honda Motor
2005 BRENT 1084 Grain Cart, Tarp, 1000PTO, 20.8R42 Duals
2002 KINZE 840 Grain Cart, Tarp
ROTARY CUTTERS:

2012 JD HX15 Rotary Cutter, 1000RPM
2004 JD HX15 Rotary Cutter
1994 JD 2018 Rotary Cutter
2012 Landpride RCR2510 Rotary Cutter, 10', Pull Type
2003 JD LX 5 Rotary Cutter, 5'
2001 Landpride AT2572 Finish Mower
1996 BH 2615L Rotary Cutter, 15'
2008 BH 2715 Rotary Cutter, 15'
1972 BMB 0906 Rotary Cutter, 7', 3pt
1995 JD 1018 Rotary Cutter, 10'
LAWN MOWERS & GATORS:

2013 JD 825I S4 GATOR, 65Hrs, 4WD
2011 JD 825I GATOR, 367Hrs, 4WD
2013 JD 997 Lawn Mower, 478Hrs, Diesel, 72" Deck, Zero Turn
2009 JD X720 Lawn Mower, 27Hrs, 54" Deck, Hydro
2012 JD Z950A Lawn Mower, 75Hrs, 72" Deck, Zero Turn
JD 54C Deck for X700S, 2210,2305
2013 Honda HRR2168VKA Mower
2012 Husqvarna Zero Turn Mower, 2WD, Gas, 60"
2000 BH SQ 84T Finish Mower, 7'
1991 JD, 420 Lawn Tractor, 700Hrs, 60" Hydro, Gas
2014 Craftsman G5500 Lawn Tractor, 43Hrs, 48" Hyrdo, Gas
2008 JD X300 Lawn Tractor, 246Hrs, 38", Hydro Gas
2006 Husqvarna Z4822 Mower, 345Hrs, 48", Gas
2008 JD JS25 21" Var. Spd. Mower
2006 Husqvarna Z4822 Mower
SKID STEER:

2008 BOBCAT T300 Skid Loader, 2915Hrs, CAH, Foot Controls, Wide Track
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AUCTION
SUNDAY, DECEMBER 7 — 10:00 AM
Auction will be held in Kenwood Hall at the Saline Co. Expo Center 900 Greeley in SALINA, KANSAS

DOLLS & COLLECTIBLES

Dolls: Barbies (Holiday 1989-2000, Beauty & Beast, Cinderella, Rapunzel, Elvis, Snow White, 96 Coke soda fountain sweetheart, 97 Coke After the Wall, 96 Star Trek Barbie & Ken & more); 40 Paradise Gallery 12" dolls; Ginny; Lil Innocents; George Burns; My Fair Lady, 95 Eliza Doolittle pink & white; 96 Star Trek; Cabbage Patch; composition, cloth dolls; wicker doll furniture; boxes child's cream sugar, goblets, baby plate, bud vases; miniature tea sets; GI Joes; costume jewelry; bell collection; salts collection; large pig collection; 80 Craft bears; A

SPORTS COLLECTIBLES

60 bats vintage & game used some autographed; baseball gloves; catchers masks; mini bats; 2006 Wichita Wranglers program w/ autographed (Alex Gordon, Frank White, Billy Butler, Zack Greinke & others); college football scrapbook; Royals autograph canvas; Red Sox uniform; photos inc. (Mickey Mantle, Lou Gehrig, 1954 NY Giants baseball photo, 1967 NY Mets baseball photo); baseball cards.

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

Auction Conducted By:
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785-738-0067 or 785-738-5933

FARM MACHINERY AUCTION
SATURDAY, DECEMBER 6 — 10:00 AM
Location: Go west of Pratt on Hwy 54 to Cullison, Go 1 mi. South, then 1 mi. West, then 4 ½ South. Watch for our signs!

Tractors: 1998 JD 9200 set up/RTK Ag leader, 10,400 +/- hrs; 1995 JD 8300 set up/RTK Ag Leader, 9630 +/- hrs; 1968 JD 4020; IHC 1466; **Sprayer, Combine, Heads:** 1998 JD 4700 Sprayer, light Bar, guidance system, SS tank, New pump less than 200 hrs; Combine JD 9760 2025 Sep. hrs, 2833 Engine hrs. Bullet Rotor; JD 630 flex head; 28' Shelbourne stripper header; JD 893 Corn head; 2-JD 843 Corn heads; **Trucks, PU's & Trailers:** 2000 Freightliner Twin screw, day cab; 1996 Freightliner sleeper Cab; 2003 Chevrolet 3500 PU, Ext. cab, Diesel, Allison Auto trans, flat bed bale spear; 2002 Ford PU Hydrated electric over hyd; 1999 Ford PU 4x4 Triton V-8; 1978 GMC twin screw tandem Truck, 250 Cummins; Castleton Grain trailer 26'; 1976 Ford F700 feed truck Oswalt 3340 Mixer; 1972 Wilson double deck pot, Cattle trailer; LaCrosse Low boy trailer; 1973 Triple axle trailer; Combine trailer; many other trailers; **Cotton Equip.:** 2000 JD 7455 Cotton Stripper, Fan hrs 2174; 1998 JD 7455 Cotton Stripper, Fan hrs. 2112; 2000 KBH Module Builder; KBH Cotton House Module Maker; **Planter & Tillage:** 1998 JD 1760 Planter, 12 row, 30", Liquid fertilizer, tank 250 Monitor; JD 770 Air seeder, 34"; Sunflower 1442 Disc 35", 24" blades, 4 section; Krause 30" chisel; Red Ball 420 hooded sprayer; Lillistrom Cultivator 12 row 30", 3 point.

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Surviving The Family Holiday: Tips To Make The Season Less Stressful

Ahhh ... The most wonderful time of the year when some feel our internal stress barometer rise. The holiday season can bring on some serious stressors for families.

For some, financial pressures make your ho-ho-ho turn into bah-hum-bug. Many families ring in the New Year with a pile of debt from holiday shopping. This year, head that mess off by stretching that holiday dollar now and throughout the year by implementing these tips:

- Decide how much you are going to spend and stick to it.

- Pay for needs like monthly bills first. Then, build your holiday list after that.

- Pay with cash. Some studies show people tend to spend less when paying with paper instead of plastic.

- Create your own gifts from the heart using your talents and skills. If you need ideas, turn to the internet: Pinterest and other website ideas are endless.

- Remember, holidays are about being together. Look for fun and inexpensive ways to be together. Volunteer to serve a meal at a shelter, ring the bell

with your children, drive around and look at Christmas lights while drinking homemade hot chocolate.

Family Relationships can be complicated and stressful. Many families have high expectations during the holidays because of family rituals and assumptions about how the holidays are supposed to be. Families experience constant change through growth, loss, and natural change — such as births, deaths, and marriages. With each of these changes there are new challenges on family rituals/expectations, and there are pressures to keep things the same. Holidays can highlight everything that may have changed (divorce, death, college student returning home, absence due to military duty) and if family rules are to not talk about or talk too much about these things, it adds to the stress of the holidays.

How to make positive changes this year?

Mary Foston-English, MFT, assistant director of Stanford's Faculty and Staff Help Center, provides several tips. Choosing any one of these can make for a more enjoyable holiday

season:

- Identify what it is about the holidays that get you down. Once identified, deal with it directly.

- If doing the "same old thing" gets you down, don't do the same old thing.

- Don't expect miracles; keep your expectations of others and yourself realistic.

- Don't "overdo": plan ahead of time, prioritize what needs to be done and try to involve others with the preparation.

- Don't worry about how things should be or what you should do, but do what you can do and, more importantly, what you want to do.

- If the holidays make you feel out of control, "take control" over the holidays by taking timeouts for yourself. Have more self-compassion and accept your limitations.

- Use humor; try to see the lighter side of life and not take yourself so seriously.

- Minimize over-indulging in food and alcohol as way to cope with stress.

Keep that internal stress barometer in check. We wish you and yours a

happy, low-stress, financially responsible holiday. For additional information, contact the Wildcat

Extension District, Crawford County, 620-724-8233, Labette County, 620-784-5337, Montgomery County,

620-331-2690, Pittsburg Office, Expanded Food and Nutrition Education (EFNEP), 620-232-1930.



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Expo Center 900 Greeley in SALINA, KANSAS

JEWELRY & COLLECTIBLES

Jewelry large amount inc: Sterling, rose gold, 14K ring, 18K HE rings, bracelets, necklaces, 10K Cameo ring, Rhinestone jewelry, Turquoise, signed pieces, costume; Coins & tokens inc: 1985 proof set, trade tokens, 1799 English George III 1/2 cent, 1903 Barber dime, 1895 & 1902 Indian head penny, 1943 Mercury dime; 1911-12 Diamond Dye annual; catalogues inc.: 1917 Goodyear shoes, 1907 DeLaval Co, 1912 & 1916 Montgomery Ward; letter open-

er collection; marbles; banks; political buttons; Mickey Mouse; dolls; pocket knives; medicine bottles; posters (Adolph Coors, Lipton Tea, 1979 World Series, Savannah Brewing, other); kaleidoscope; toys; Marx horse; space ship Radio Flyer wagon; Coke trays; Horse Shoe tobacco tags; glass; sewing notions; beads; unique hair pin holder; Little Giant cranes watch fob, others; linens; buttons; buckles; material; quilts; quilt blocks; beaded pieces.

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

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A photograph of four male students standing in a row, smiling for the camera. They are all wearing dark blue blazers. From left to right: the first student wears a light blue shirt and a yellow tie; the second wears a red shirt and a red tie; the third wears a purple shirt and a striped tie; the fourth wears a light blue shirt and a light blue tie. They are standing in front of a display that includes a sign for 'East Hall A & B' and posters for 'E of CHAMPIONS' and 'ALE of CHAMPIONS'. The background is a modern interior with large windows and a stone wall.

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Competing on the River Valley 4-H Quiz Bowl Team were, from left: Andrew Tiemeyer, Wyatt Durst, Hunter Johnson, and Ty Stewart.

River Valley 4-H represents Kansas at the Ak-Sar-Ben Livestock Quiz Bowl

The River Valley District 4-H Livestock Quiz Bowl Team represented Kansas at the 2014 Ak-Sar-Ben River City Rodeo and 4-H Livestock Show Quiz Bowl Competition. The 14th 4-H Livestock Quiz Bowl competition provided an opportunity for youth representing nine states to take part in an educational experience that demonstrated their knowledge of livestock nutrition, health, genetics, and production as well as current industry issues or management as related to beef, swine, sheep, or meat goats. The River Valley 4-H Team, consisting of Hunter Johnson, Ty Stewart, Wyatt Durst, and Andrew Tiemeyer, earned the right to compete at Ak-Sar-Ben by winning the Kansas 4-H Livestock Sweepstakes Quiz Bowl in Manhattan in August. The Ak-Sar-Ben National 4-H Quiz Bowl event kicked off with a team breakfast at the Century Link Center in Omaha where members heard an address from Adam Crouch, Cargill. The teams then entered the competition that consisted of six rounds to name the eventual national

champion. The Kansas Team was eliminated in the second round. The team was sponsored and coached by River Valley 4-H volunteer Hillary Johnson.

Firewood knowledge: Keep warm this winter season

As the cold weather begins to settle in and the demand for firewood increases, the Kansas Department of Agriculture (KDA), encourages Kansas citizens to educate themselves and others about firewood transportation in the state. While it may seem harmless on the surface, transporting firewood can pose a threat to healthy, pest-free trees across the state of Kansas. Tree-killing insects and diseases can lurk in what appears to be harmless firewood. These pests and diseases can then quickly spread and infest trees into additional locations. Firewood that has been heat treated, packaged and labeled with the United States Department of Agriculture (USDA) APHIS treatment seal is considered safe to move. Do not consider other labels such as "kiln-dried" a safe alter-

native. Wyandotte, Johnson and Leavenworth counties all prohibit the transportation of firewood outside of county borders. The purpose of this quarantine is to prevent the further spread of the emerald ash borer. This insect disrupts the tree's ability to transport water and nutrients, which causes it to die. The emerald ash borer and other harmful diseases including Thousand Cankers of Walnut and Pine Wilt

are of concern to homeowners and foresters. It is up to Kansas citizens to help slow the movement of these pests and diseases. "It is imperative to take initiative when moving firewood," said Jeff Vogel, KDA Plant Protection and Weed Control program manager. "Preventing destructive pests is important not only for the health of our trees, but also for our economy." It is estimated by the USDA Forest Service that from

2009 to 2019 that the response to eliminating the Emerald Ash Borer will cost almost \$10.7 billion. Keep warm this chilly season, but also remember to follow these simple guidelines and ultimately only burn firewood in the immediate area where it is purchased. To learn more about the facts and general information of firewood transportation, visit www.dontmovefirewood.org/.



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Owner will accept written sealed bids for a lump sum purchase price delivered to Pugh Law Office, 625 Lincoln Street, Wamego, KS 66547, by 5:00 p.m. December 05, 2014. Bid must contain the buyers name, address, phone number, and offered purchase price. No per acre bids accepted. Seller reserves the right to accept the best bid, reject all bids, or invite two or more of the bidders to participate in a private auction. Closing to take place before December 31, 2014. Contract takes precedence over any printed matter. Owner and Buyer will split the Title Insurance and Closing Costs 50/50. Buyer will be responsible for any Loan Costs. The 2014 and any prior taxes are paid in full. The Buyer will be responsible for the 2015 taxes. Buyer will take full possession of property upon receipt of a sufficient Warranty Deed. The fences are in fair condition and there is a pond and a good spring for distribution of grazing. Good wildlife habitat.

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Marvin Garrett

This cowboy went from riding a 50-gallon barrel with baling twine rigging to winning four World Championships.

The term “World Championship” gets thrown

around in lots of disciplines from goat tying to barrel racing to rough stock competition at the National Finals Rodeo. For most competitors a World Championship is a sought after

dream that is pursued but never achieved. It's a goal that is never reached but is always dangling like the proverbial carrot.

For Marvin Garrett the dream became reality, not once, but four times, during his bareback bronc riding career. His pursuit of World Championships was not an easy trail and was strewn with tragedy, hard work, faith and the will to win.

Tragedy struck while en route to the Grand National Rodeo, Horse and Stock Show in San Francisco in November of 1998. Retired rodeo cowboy Johnny Morris was piloting the rented Cessna carrying four rodeo

cowboys, Marvin and Mark Garret, Thad Bothwell and Scott Johnston

Morris radioed the tower and said he was low on fuel and had to land right away. Their fuel gauges were reading empty. He didn't know that a fuel pump had ruptured and was rapidly draining the fuel tanks.

When the engine quit, Morris attempted to switch to a reserve fuel tank but then was forced to attempt an emergency landing in a dry river bed.

“When we ran out of fuel, Johnny kept it straight and we were gliding. We all just figured Johnny would get it set down, but we hit a bunch of trees and broke the wings off. We hit in the fork of a tree, and the engine kept going. The plane caught on fire. We all broke our backs except for Mark, and I broke my right arm and back at the belt line. Broken back and all, Thad opened the door and crawled out. Mark got me out, then went back to get Johnny out. Mark got everybody away from the wreckage, and moments

after we all got out, the plane blew up and it was just a charcoaled mess. It was just like the movies, where it all explodes right after you get out,” Marvin said.

Mark was the only one that hadn't broken his back because he didn't have his seat belt fastened. That simple fact probably saved all their lives. Johnny Morris died two weeks after the crash from his injuries. Marvin was in a body cast for three months. During that time he exercised his muscles in the cast by contracting them to keep them strong. The doctors said that when you come out of cast your muscles are only at 35 percent of efficiency. Marvin's muscles were at 70 percent because of his simple exercise. After a year of rehabilitation, Marvin was back in the rodeo arena.

Marvin Garrett and his brother Mark grew up in a rodeo family near Belle Fourche, South Dakota. Marvin told his fourth-grade teacher he wanted to be a cowboy when he grew up. To prove it, he began riding steers when he was 12 years old. However, his mother altered the course of history when she said he couldn't be a bull rider (at age 15) until he could sign his own association permit, but he could ride bareback.

The first bareback horse he got on convinced him that was what he wanted to do and he forgot all about riding bulls. That led him to riding bareback horses and a world championship career. Joining the professional rodeo in 1984, Marvin Garrett is endeared as one of the greatest legends of his event. Garrett's fire to be the best has earned him four World Champion titles in Bareback Riding (1988-89, 1994-95). Marvin's career Spanned more than 15

years.

His 1988 NFR appearance earned him his nickname, “Marvelous Marvin.” Four times he has been the association's regular season money leader in bareback riding. This million-dollar cowboy has won championships at Houston, San Antonio, the Cow Palace, Pendleton (Ore.) and most everywhere in between. A major highlight of his career was representing the United States as a member of the 1988 U.S. Rodeo Team in the Calgary Olympics. Garrett recorded his first 90-point ride over the Fourth of July 2004 on Powder River's Khadafy Skoal.

“There was a time when I didn't get bucked off for six years. I was riding for first every time, and when you're riding that aggressive it just doesn't happen very often. I still try to win first every time I get on. That's the main thing. It makes me mad if I make a mistake and get bucked off. It still wrecks my day, but I realize I'm going to get bucked off a time or two, because I still go for the gusto.”

Marvin was named the 1986 rookie of the year and inducted into the Pro Rodeo Hall of Fame in 1998. He enjoys passing on his knowledge to his son Weston who is also a bareback rider. Marvin's brother Mark was the 1996 Bareback World Champion. Bareback riding is the forte of the Garrett family.

Marvin and Weston have traveled the rodeo road together and Marvin has claimed that it's just like the old days when he was traveling with Mark and other rodeo cowboys.

Marvin has mostly retired from competitive professional rodeo now and has pursued other facets of rodeo. He helps run the Marvin Garrett Roughstock Series, held in Rapid City, South Dakota and assists with other events including high school rodeo. For “Marvelous Marvin” Garrett, rodeo has been his lifelong dream and his success has earned him in excess of one million dollars. Not bad for the Belle Fourche, South Dakota cowboy who started out riding a 50-gallon barrel with baling twine rigging.

Contact Ralph Galeano at cowboy@cowboy chatter.com or www.cowboy chatter.com

AUCTION

SATURDAY, DECEMBER 13 — 10:00 AM

Location: Gage County Fairgrounds, 4-H Inc Building
BEATRICE, NEBRASKA

PICKUP, AUTOMOBILE: SELL AT 12-NOON

2005 Dodge SLT Dakota Crew Cab 4 x 4 pickup with 127,773 miles, 4.7 V-8 Magnum engine, AM-FM-CD, bucket seats, all electric accessories, Access Roll-Up box cover and new 265-70R-16 new Rubber — PICKUP LOOKS GREAT!! 2002 Buick Century Custom 4-DR car with 91,524 miles, 3100 SFT 6-cylinder engine, Concert Sound AM-FM-Cassette, 60/40 velour seats and all electric accessories — NICE CLEAN CAR!!

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Huskee LT4200 18hp — 42" riding lawn mower with grass catcher; Huskee 2-Stage 8hp — 27" elec start snow blower — LOOKS NEW!!; 2, Summit 3-wheel bicycles with hand brakes.

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um; kitchen step stool; humidifier; blond 2-shelf glass front bookcase & Other Small items.

COLLECTABLES

T. B. Sterling banjo; 2, The Echo “Horner — Germany” harmonicas; Coronado elec guitar (turquoise color) w/Fender amplifier; “Hanover Band” snare drum; oak hall tree; metal stand ash tray; Bolivia mantle clock; egg scale; enamel coffee pot; Western paper back books; wooden doll bed and kitchen cabinet; wicker spoke wheel buggy and Child's rocker; quilt frames; china bells; Bavaria & Germany plates; McCoy shoe; Germany mustache cup & cups/saucers; Style House china 12-Place setting; Germany “Beatrice” vase; Lefton 25th Annv. Cream/sugar & s/p; glass May basket; Press & Lead glass stemware, goblets, c/s, toothpick holders & sherbets; cranberry trim center bowl & candle sticks; etched compote; Franciscan pitcher; wooden doll bed and kitchen cabinet; wicker spoke wheel buggy and Child's rocker; quilt frames; china bells; Bavaria & Germany plates; McCoy shoe; CD's-records Other Small Items

COINS & MISCELLANEOUS

20, Silver Dollars, 1885 -1935; Half Dollars; 8, Eisenhower Dollars; \$2.00 bills; foreign coins; Indian Head Pennies 1861 — 1889 & 1900 — 1908 & Kennedy Halves; 23 x 23" Keep Safe; Vita Master Pro 1200 treadmill; Brinkman charcoal smoker grill (New In Box); Concrete bird baths, planters & 4' bench; walking sprinkler; 8' pipe frame picnic table; wire mesh 4-chair patio set & glider; 6, padded lawn chairs; handicap 4-wheel walker w/seat & brakes; 2, 8' folding tables; lighted reindeer; 14' alum extension ladder; gas trimmer; freight cart; Homelite gas leaf blower; 6' step ladder; garbage cans; garden hose; lawn tools; B/D jig saw; right angle grinder; misc hand tools; 5 gal Shop Vac; scoops & shovels.

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GUNS — SELL AT 12-NOON

Winchester model 67-22 cal. Rifle; F.I.F. Brazil 410ga. shotgun; Central Arms Co. model 1929 12 ga. shotgun, single shot; Remington model 11 12ga. shotgun; Stevens model 87A 22cal. Rifle; Tournament Dbl barrel shotgun 12ga.; High Standard “Flight King” model K1211 12ga. shotgun; Ammo: Lots of 7mm, 12ga & 410; Voere Kufstein -Austria model Mag P-44773 7mm mag w/Weaver 3 x 9 scope; Gun cleaning supplies, wooden goose calls, hunting knife & gun cases.

ERTL TOY COLLECTION

Massey-Harris on steel; Wallis on steel - JD General Purpose 50th Anniversary; JD D on steel; JD GP on steel; JD 6600 combine; IHC Row Crop tractor NIB; JD 70; Waterloo Boy; Advance Rumely Oil Pull Series #1; IH Farmall H NIB; JD 6400 Row Crop 2wd NIB; JD model R diesel WF NIB; JD 4010 diesel WF NIB; JD model 720 Row Crop NF NIB; JD Collector's Edition 1940 12A combine NIB; IH Farmall 350 WF #418 NIB;

Ford 981 Select-O-Speed D tractor NIB; Case “Vac” tractor #632 NIB; Allis Chalmers WD-45 NIB; Liberty Classics MM U tractor NF NIB; True Value 1918 Ford Tractor Trailer NIB.

SNOW BLOWER & TOOLS

Craftsman II Trac Drive snow blower, 8 speed; Power Propelled; small air compressor; Craftsman 10" band saw on stand; Craftsman reciprocating saw; Craftsman scroll saw; Craftsman sander; B&D 10" miter & ½" drill; Milwaukee 3/8" hammer drill; Drill Doctor; 2 sets of 4' pipe clamps; walnut rough cut boards; hyd jack; Craftsman 18 volt & 15.6 volt drills; aluminum 14" ext ladder; drill bits; chucks; sander spools; lathe knives; burn pit; and other small items.

COLLECTIBLES & MISC.

Set of 3 wooden ducks; 8 gal Red Wing crock w/bails; 5 gal Western Crock; 3 gal Diamond crock; crock jug; 10 turkey decanter collection; 3 duck decanters; DU Robert Capriola 3316 Wood Decoy; 4 newer wood decoys and other items.

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AUCTION

SUNDAY, DECEMBER 7 — 12:00 NOON

MCCALL/SUNFLOWER STORAGE

425 McCALL ROAD — MANHATTAN, KANSAS

Estate of Meryl Mansfield — These items have been in storage 8 years since Meryl entered the care home. The unit is full! Items seen include Walnut china cabinet, Walnut table & chairs; Walnut parlor table; recliner; step tables; lamps; dropleaf table; glider rocker. Many boxes! The Family says she collected Carnival glass along with other glass & china. **Come Discover!**

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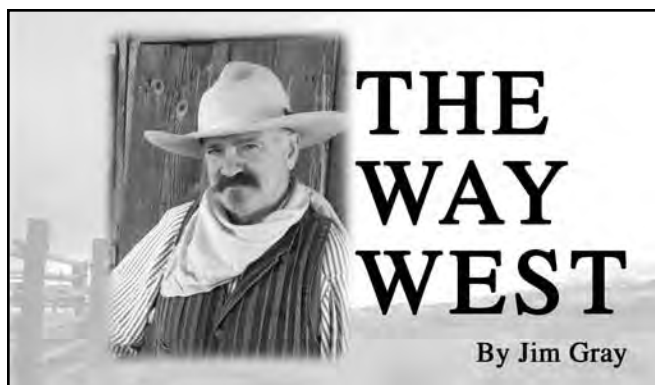
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The Osage Orange: Fact and Fiction

The hedge tree or Osage Orange is well known on the farms and ranches of Kansas. Hedge posts have provided support for barbed wire fences since the innovative wire was introduced in the late 1870s. Some say the idea of the barbs on the wire came from earlier "living" fences made of hedge trees. Conversely, the early barbed wire fence was sometimes referred to as "the thorny fence."

A study by Michael L. Ferro of the Louisiana State Arthropod Museum recently published under the title, "A Cultural and Entomological Review of the Osage Orange," in *Southeastern Naturalist* offered a great deal of information on the tree many have simply known as the hedge tree. The dense hardwood of the hedge tree is extremely strong and considered "the most decay-resistant wood in North America." Hedge wood is so durable it has been said to "last longer than rock." Ferro reported that "posts are good for 40-60 years."

They are good for that and more. Posts on our place were there before I was born. I am pretty certain that some of them have been in the ground somewhere in the neighborhood of 80-100 years.

The bright green fruit of the hedge tree is commonly called a hedge ball or hedge apple. A single tree can produce as much as one thousand pounds of hedge apples. Horses, cattle, deer, squirrels, foxes, and bobwhite quail are known to eat hedge apples but, in most cases, animals barely utilize the abundant production that falls from the spreading thorny branches. I found out the hard way that cattle will occasionally partake of the fruit. I once found a dead herd bull lying among a collection of fallen hedge balls. Unfortunately he choked to death when the ball lodged in his throat. That was enough to convince me that hedge balls were not designed for cattle feed.

The hedge tree evolved tens of thousands of years ago in an entirely different environment. From *American Forests Magazine* author Whit Bronaugh wrote "The Trees That Miss the Mammoths." The Osage Orange was a major staple for the large mammals of the ice age. Mammoths, mastodons, ground sloths, and other "megafauna" were attracted to the "knobbly green ball" that was produced in the pure stands of Osage Orange growing as far north as Ontario. When the mammoths and mastodons became extinct at the end of the last ice age the Osage Orange (hedge tree) was left without a major browser to plunder its generous supply of fruit. Utilization by smaller mammals did not replace the megafauna population in the important function of spreading, through their droppings, copious amounts of seed over the landscape. As a result the range of the

temporary reference to confirm the belief. In fact, the first mention of such properties was published in 1950. The researchers traced several printed articles that built one upon the other as though it were an amazing game of gossip, until everyone mistakenly believed that the repellent properties of the hedge apple had been discovered by pioneers on The Way West!

"The Cowboy," Jim Gray is author of *Desperate Seed: Ellsworth Kansas on the Violent Frontier*, publishes *Kansas Cowboy*, *Old West history from a Kansas perspective*, and is Executive Director of the National Drovers Hall of Fame. Contact Kansas Cowboy, Box 62, Ellsworth, KS 67439. Phone 785-531-2058.

Osage Orange was slowly reduced to the known limits at the beginning of European contact with the central plains.

By the time explorers arrived the historical range for Osage Orange was limited to the Red River drainage of Arkansas, Oklahoma, and Texas, as well as small portions of Kansas, Louisiana, and Missouri. The native tribes of the region valued Osage Orange for use in the construction of bows and clubs. When the western territories of Louisiana were purchased from France, President Thomas Jefferson famously sent Lewis and Clark up the Missouri River into the northwest in 1804. Lesser known expeditions were Dunbar and Hunter into Arkansas (1804) and Freeman and Curtis to the Red River (1806). Both the Lewis and Clark and the Dunbar and Curtis expeditions recognized the value of Osage Orange in establishing hedge fences and began the "living" fence movement across the United States. One of the oldest known Osage Orange trees grows at the home of Patrick Henry at Brookneal, Virginia. The national champion tree is over three hundred years old.

The "Review of the Osage Orange" particularly focused on the balance of the paper's title, "The Origin and Early Spread of 'Hedge Apple' Folklore."

If you've lived anywhere near a hedge tree you've probably heard of its insect repellent properties. Pioneer wives were said to have placed hedge apples in their cupboards to keep them free of cockroaches and other insects. Despite all the stories, researchers could not find even one con-

USDA disaster assistance to help thousands of honeybee, livestock and farm-raised fish producers

The U.S. Department of Agriculture has announced that nearly 2,500 applicants will receive disaster assistance through the Emergency Assistance for Livestock, Honeybees, and Farm-Raised Fish Program (ELAP) for losses suffered from Oct. 1, 2011, through Sept. 30, 2013.

The program, re-authorized by the 2014 Farm Bill, provides disaster relief to livestock, honeybee, and farm-raised fish producers not covered by other agricultural disaster assistance programs. Eligible losses may include excessive heat or winds, flooding, blizzards, hail, wildfires, lightning strikes, volcanic erup-

tions, and diseases, or in the case of honeybees, losses due to colony collapse disorder. Beekeepers, most of whom suffered honeybee colony losses, represent more than half of ELAP recipients.

"As promised, we're making sure that thousands of producers who suffered through two and a half difficult years without Farm Bill assistance are getting some relief," said Agriculture Secretary Tom Vilsack. "Once the Farm Bill was restored, not only did we implement the disaster assistance programs in record

time, we're issuing payments less than three months after the enrollment deadline. The funds will hopefully help producers with some of the financial losses they sustained during that time."

The Farm Bill caps ELAP disaster funding at \$20 million per federal fiscal year. To accommodate the number of requests, which exceeded funds available for each of the affected years, payments will be reduced to ensure that all eligible applicants receive a prorated share of assistance.

AUCTION

SATURDAY, DECEMBER 13 — 10:30 AM

Auction held at the Mo Co 4-H building located 1 mi. East of COUNCIL GROVE, KS on KS Hwy. 56. Concessions by Barking Dog BBQ.

GLASSWARE & COLLECTIBLES

Pink Depression pieces include cooking jar, sq. plate, serv. bowl, cake plate; Fiesta ware: pitcher, plates, bowls, C&S; Carnival glass cream & sugar; Limoges serving bowls; set 12 Franciscan china; blue refrigerator dishes/lids; covered candy dishes; 8 Iroquois china cups/saucers; side bone dishes; 8 Homer Laughlin jubilee plates; McCoy bowl; red footed berry dish; Oatmeal: cups, saucers, platter; 5 porcelain figurine music boxes; Sears & Roebuck nesting bowls, cattail pattern; numerous Corning and Pyrex pieces; Weller vase; Harker teapot; glass snack tray sets; numerous pieces glassware, most very old; Kitchenkraft crock bowl; USA 421 crock bowl; Winchester hand meat grinder; cast iron griddle, skillets; Griswold #8 chicken fryer, #8 skillet; 12+ Marlow woodcuts; shadowbox w/thimble collection; Little Boy Blue picture; porcelain enamel pans; lg. alum pail w/lid; antiq. Stanley level, sm.; oak strip trunk; oak glider rocker; oak coffee grinder; spool leg fern table; gentleman's valet; antiq. com-

pacts; wood cabinet Philco radio; 1950s Wilson official baseballs boxes; Teacher Supply Boxes w/picture lids; numerous pcs. handwork.

FURNITURE, MISC. HOUSEHOLD

China hutch; kitchen cabinet w/bread box; walnut dining room table, dropleaf w/6 chairs; walnut end tables; Davis Cabinet Co. cherry bedroom set; Waterfall frt 4 drawer chest & vanity w/stool; metal & wood bed frames; trundle bed; formica top dropleaf table w/2 chairs; 6 drawer dresser; metal wardrobes; metal file cabinets, 4 & 2 drawer; Singer Touch & Sew machine, mod #625; portable Singer sewing machine; sm. 10 drawer metal sewing notions cabinet; boxes dress & misc. patterns; many boxes fabric; slide camera; projector, screen; Maytag washer, 10 y/o; Maytag elec. dryer; Frigidaire refrig.; 10 cu. ft. upright freezer; lg. alum kettle w/lid; quilts; Super Deluxe child's wagon; 10 Morris Co. pictorial books; 1996 Ford Crown Victoria, 62K mi., runs good, air cond., 4 door, elec. windows, auto.

More items too numerous to mention.

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Switching to soybeans? Make sure fields are ready after continuous corn

Thinking about putting soybeans back into your rotation next season? If you've been following a corn-on-corn cropping strategy in recent years, plan ahead to make sure your fields are ready for the switch to soybeans.

Andrew Ferrel, Mycogen Seeds agronomist, recommends four steps for successfully rotating to soybeans.

Start with a clean field. Corn crop residue can take a significant amount of time to break down, creating a barrier for young soybean seedlings, especially in reduced-till or no-till situa-

tions. These conditions tend to keep springtime soils cool and wet longer, creating a favorable environment for early season fungal pathogens.

"Soybean yields can be highly affected by poor emergence and early vigor," Ferrel says. "It is important to get soybeans off to a good start with an even and well-established stand. In some cases, light tillage of heavy corn residue may be needed to create a clean seedbed for good seed-to-soil contact."

Head off emergence issues. Many factors can compromise seedling emer-

gence, including insect pressure and seedling diseases. Under these conditions, Ferrel recommends a seed treatment to help promote a strong stand, and thus, earlier canopy closure and improved yield potential.

There are several seed treatments in the marketplace, many containing fungicides and insecticides in one product, Ferrel notes. "The combination products are often worth the minimal added expense to provide extra protection for soybean seedlings, especially when planting in less-than-ideal conditions," he says. Consult with your local agronomist or seed supplier for seed treatments appropriate for your area.

Consider soil inoculants. Years of corn-after-corn production can reduce populations of Bradyrhizobium japonicum, the soil bacteria that fix nitrogen (N) for soybeans. Fields that have been out of soybean rotation four or more years could benefit from an inoculant to ensure proper nodulation and prevent the

need for supplemental N applications.

"Inoculants generally are very inexpensive relative to other crop inputs, and they are worth the investment in such cases," Ferrel says.

Watch nutrient levels. Corn is responsible for significant removal of key soil nutrients, particularly N, phosphorus (P) and potassium (K). Corn's high affinity for N means that growers must apply high rates of fertilizer each year to achieve desired yield. These N applications can result in rapid changes in soil pH. Before planting soybeans into these fields, take soil tests, paying special attention to P and K and soil pH levels, and adjust for soybean needs.

"As you plan for 2015, assess your fields and determine which are best-suited for soybean production," Ferrel says. "Your trusted agronomic adviser can help you select varieties with the greatest yield potential after continuous corn. Additional agronomic resources are available on Mycogen.com."

Sen. Moran appoints new team for agriculture, trade policy

U.S. Sen. Jerry Moran (R-Kan.) recently appointed a new team to handle agriculture and trade policy in Washington, D.C., and Kansas. legislative assistant Judd Gardner, legislative correspondent Trey Joy and state agriculture representative John Sachse will serve Kansans as part of Sen. Moran's agriculture team.

"Judd, Trey and John are important additions to my legislative staff," Moran said. "Their backgrounds allow them to understand first-hand the challenges Kansas farmers and ranchers face. Ensuring a bright future for agriculture in our state is one of my top priorities in the Senate, and I am confident they will serve Kansans well on my behalf."

Gardner and Joy — based in Washington, D.C. — will focus their efforts on agriculture and trade policy, as well as meet and work with Kansans and agriculture organizations to address policy concerns. Sachse — based in Manhattan — will meet and work with constituents from across the state, including county leadership and agriculture organizations, to address policy concerns.

Gardner has advocated on behalf of agriculture interests for a number of years, including a stint with the House Committee on Agriculture. He received a bachelor's degree in animal science from Texas Tech University and a master's degree in agricultural sciences from West Texas A&M University. Gardner was raised on a cow-calf operation in central New Mexico.

Joy achieved a bachelor's degree in Political Science and Business from Fort Hays State University. While at Fort Hays State, he was elected mayor of Smith Center, where he served for more than five years focusing his efforts on rural economic development. Additionally, Joy and his twin brother are fifth-generation farmers in Smith County.

Sachse achieved a bachelor's degree in animal science, with a minor in agricultural economics at Kansas State University. At K-State, he held numerous leadership positions in agriculture-related organizations including co-founding the K-State Collegiate Cattlemen's Club. Additionally, he holds his Masters of Beef Advocacy and is Beef Quality Assurance certified. Sachse will be residing in Manhattan.

Combine-sharing program aims to boost farm income

AP — A combine-sharing program touted recently as the first of its kind aims to give farmers a chance to make some money off expensive equipment that sits idle once harvest is finished, and could provide competition next season for custom cutters.

The "Farmer to Farmer" program from FarmLink, a Kansas City, Missouri-based agribusiness, will let farmers in Kansas, Colorado, Oklahoma and Texas who have spring or early summer harvests of winter wheat or other crops rent their equipment to farmers farther north. While farm equipment rentals themselves are nothing new, industry officials say the idea and scale of this program is somewhat of a novelty.

"It is very similar to kind of vacation sharing or car sharing program," according to FarmLink spokeswoman Meredith Powell. FarmLink would con-

tract with farmers who own certain combines from model years 2012 or newer, pick up the equipment after the harvest and deliver them to those who rent the machines for the late summer and fall harvests. Combine owners could make as much as \$40,000 a year in extra income by participating, a price based mostly on how much the rental combine is used, she said, and FarmLink would shoulder the cost of any needed maintenance and repairs.

Tracy Zeorian, executive director of the industry group U.S. Custom Harvesters, said she expects farmers will see the program as a great opportunity.

"When the commodity prices were high, we were seeing farmers with brand new combines that we never would have seen otherwise," she said, adding that many farmers are still saddled with payments. "Unfortunately, the cost of equipment is so tremendously high that a farmer can't justify having a combine sitting around except for two to three weeks a year."

But Zeorian, who also operates a custom harvesting operation with her husband out of Manley, Nebraska, fears the FarmLink program also amounts to more competition for custom harvesters like herself who travel the country cutting crops.

"When we start losing jobs it is going to hurt custom harvesters," she said. "And the continual profit loss means less and less harvesters out there."

Upon learning FarmLink's estimated added income for farmers, even Zeorian was a bit interested: "Sheesh, maybe we should be renting out our combine — it sure would be a whole lot less headache. That's a fact," she said.

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----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------

December 2 — 234 +/- acres Ellsworth County land (tillable & pasture, 3 tracts) held at Ellsworth for Don & Lucille Boileau Trust. Auctioneers: Theurer Auction & Realty.

December 3 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

December 4 — Tractors, combines, planters, drills, hay & feed equip., platforms & heads, grain handling, sprayers & applicators, tillage, skid steers, cutters, misc. equip. at Hiawatha for Bruna Implement Company inventory reduction. Auctioneers: Wheeler Auctions & Real Estate.

December 4 — 40 acres +/- Jackson County land (grass, timber, hunting, recreational) held at Holton. Auctioneers: Kellerman Real Estate, Roger Hower.

December 6 — Tractors, pickup, car, truck, cattle feeding equip., grain semi trailer, combine, tillage & hay equip., box blade, grapple, rotary mower, irrigation, seed cleaner, quail surrogate, camper, lawn, garden, wood splitter & more at Fort Scott for Andy & Karen Johnson. Auctioneers: Mary Read Auction Service.

December 6 — Tractors, sprayer, combine, heads, trucks, pickups & trailers, cotton equip., planter & tillage near Pratt for Paul Eubank Farms, Paul & Betty Eubank. Auctioneers: Hamm Auction & Real Estate, LLC.

December 6 — Tractors, loader, combine, headers, trailers, semi tractor, hopper trailer, trucks, pontoon boat, grain carts, augers, tanks, misc. & much more at Lewiston, Nebraska for Dennis & Bonita Schuster. Auctioneers: Jurgens, Henrichs, Hardin.

December 6 — Furniture, pistols, glassware, collectibles, tools & misc. at Junction City for Larry & Mary Jane Riffel & others. Auctioneers: Brown Real Estate & Auction Service, LLC.

December 6 — 80 acres pasture, wildlife habitat southwest Jackson County (brome, native grass, pond, good fence) held at Delia for Lindsay E. & Patsy C. Houck. Auctioneers: Pearl Real Estate & Appraisal Service.

December 6 — 440 acres m/l sell at Parsons for Paul W. & Helen R. Hunter Trust. Auctioneers: Chesnutt & Chesnutt.

December 7 — Storage units, walnut furniture, lamps, household, Carnival glass, glass & china, riding lawn tractor, tools at Manhattan. Auctioneers: Gannon Real Estate & Auctions.

December 7 — Antiques, furniture, household, clocks, glass, silverware, silver coins, truck, mower, power tools, mechanic & woodworking tools at Kansas City, Kansas. Auctioneers: Miller Auction, LLC.

December 7 — Dolls, collectibles, sports collectibles at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

December 7 — Construction equip., farm equip., trucks, cars, lawn equip., farm supplies, shop items, hay, hedge posts, livestock equip., household at Wetmore for St. James Consignments.

December 8 — Prime Johnson County, KS farm & investment land held at Overland Park, KS. Auctioneers: Dave Webb, Webb Realty - Auctions & Appraisals.

December 9 — 155 m/l acres Shawnee County held at

Rossville. Auctioneers: Farmers National Company.

December 10 — Tractors, combines, trucks, trailers, farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

December 11 — 275 acres Riley County, Tuttle Creek area (hunting, fishing, 3 ponds, ranch style house, building site) held at Manhattan for Jane Laman Trust. Auctioneers: Pearl Real Estate & Appraisal Service, Inc.

December 12 — Tractors, combiners, platforms & cornheads, sprayers, hay & forage, tillage, planters, grain handling, rotary cutters, lawn mowers & Gators, skid steer & more at Marshall, Missouri for Ag-Power inventory reduction. Auctioneers: Wheeler Auction & Real Estate.

December 12 — 238 +/- acres Butler County land (grassland, pond, small shed, tillable cropland) held at Douglass. Auctioneers: Farmers National Company.

December 13 — Antique furniture, glassware, crocks, vases, guns, vehicle at Abilene for Marty Foreman. Auctioneers: Ron Shivers Realty & Auction.

December 13 — Craftsman tool boxes, Craftsman tools, socket sets, wood saws, wheel balancing machine, jacks, air compressors, riding lawn mower, furniture, glassware, truck & much more at

Manhattan for Estates of Bud Umscheid & Bob Barr. Auctioneers: Jeff Ruckert.

December 13 — Pickup, automobile, riding mower, snow blower, bicycles, household, collectibles, coins & misc. for Albert & Hilda Schuster Estate; guns, Ertl toy collection, snow blower & tools, collectibles & misc. for Willard Lenners Estate at Beatrice, Nebraska. Auctioneers: Jurgens, Henrichs, Hardin.

December 13 — 160 acres m/l of Western Atchison County creek bottom farmland held at Effingham for Eric Featherston. Auctioneers: Cline Real & Auction, LLC.

December 13 — Signs & collectibles at Concordia for Gene Lahodny Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

December 13 — Glassware, collectibles, furniture & misc. household, 1996 Crown Vic car & more at Council Grove for Olive M. Schoof. Auctioneers: Macy Realty & Auction.

December 13 — Real estate (pasture near Topeka; native grass, springs, timber, metal barns, utilities) held at Topeka. Auctioneers: Bill Fair & Company, Inc.

December 14 — Riding mower, pickup, guns, ammo, supplies, boat, motor, trailer, fishing supplies, tools, household & misc. East of Beatrice, Nebraska for Mark J. Jurgens Estate. Auctioneers: Jurgens, Henrichs, Hardin.

December 17 — Tractors, combines, trucks, trailers,

farm equipment of all kinds, lawn & garden & more online at (www.bigiron.com). Auctioneers: Stock Auction Co.

December 18 — 225 +/- acres Sumner County (tillable, CRP, pasture w/pond) held at Wellington for Neville Farms, LLC. Auctioneers: Theurer Auction & Realty.

December 22 — 214.90 acres in Coffey County (sold in 2 tracts, cropland, native grass & other mixed grasses) held at Burlington for Wanda Chambers Rev. Trust (ESB Financial Trustee formerly known as King property). Auctioneers: Griffin Real Estate & Auction Service, LC.

January 1, 2015 — Harley Gerdes 30th annual New

Years Day Consignment Auction at Lyndon.

January 26 — 275 ac. Osborne County cropland & pasture at Alton. Auctioneers: Hill Realty.

February 24 — Hereford & Angus Bulls & Females at Manhattan for Mill Creek Ranch "Brand that Works" Production Sale.

March 5 — Bull sale at Courtland for Jensen Brother Herefords.

March 7 — 37th Gelbvieh Balancer Red Angus bull sale at Pomona for Judd Ranch.

March 14 — 29th Annual Concordia Optimist Club Consignment auction held at Concordia.

March 14 — Bull & female sale at Maple Hill for Mill Brae Ranch.

UPCOMING AUCTION

214.90 ACRES IN COFFEY COUNTY
MONDAY, DECEMBER 22 — 2:00 PM

Auction Location: Kelley 4-Building — BURLINGTON, KS

Seller: Wanda Chambers Rev. Trust
ESB Financial Trustee (Formerly known as King Property)



SELLING IN 2 TRACTS

Tract 1: NW/4 of Sec 24, Twp. 21 S Rge 14E, less a tract in Coffey Co. Ks. 135.8 A

15 A. Cropland Acres, 120.90 Acres Native Grass

Tract 2: N/2 of the NE/4 of Sec. 6, Twp. 22 S, Rge 15 E
Coffey Co. Ks. 79.1 A
Native and other Mixed Grasses.

For more information:

Griffin Real Estate & Auction Service LC
305 Broadway Cottonwood Falls, Ks.
www.GriffinRealEstateAuction.com
620-273-6421 office Rick Griffin Broker, cell 620-343-0473
Chuck Maggard cell 620-794-8824

AUCTION

SATURDAY, DECEMBER 13 — 10:00 AM

Auction will be held in the National Guard Armory at the South edge of
CONCORDIA, KANSAS

SIGNS & COLLECTIBLES

International Harvester Harvester-Threshers; 3-6' Allis Chalmers; Gleaner NIB 2' x 6' double sided; Oliver Farm Machinery; AC Allis Chalmers neon NIB; L combine lighted sign; tin oval Ford; John Deere Lapaille Clyde; Avery; Shock Absorber For Ford Car; Dixie Garage; McCormick Service; porcelain Ferguson; Allis Motor Oil; Kaiser Frazer Service;

Kaiser Frazer luster Seal lighted; many other signs; Allis mud flaps; Allis hats; Fordson tool box & radiator; Allis wood sieve; Allis chain saws (75 & 95); tractor umbrellas (Allis & JD); Allis demo pack; Allis Chalmers refrigerator; Allis cups & glasses; Allis sacks; Allis sprinklers nib; Allis moisture tester; plastic banners; many other Allis items. Several 100's of manuals, brochures,

Allis advertising (tractor, combine & machinery); Micro film & machine; 50's boys bike w/gas tank; oil cans; Phillips 2 1/2 gal; 5 gal cans; oil jars w/holder (Standard, Huffman); red globe lantern; Wix filter rack display; Old Hickory match safe; Winchester flash light; wood plane; 2 brass grain probes; 2 wheel cast iron oil barrel mover; sign hangers; Agenda Ks nail apron.

Note: Gene collected for many years, he has a large sign collection. There are porcelain, metal cardboard. Gene liked anything that had Allis on it. This is a very large auction. Check our web site for pictures at www.thummelauction.com.

GENE LAHODNY ESTATE

Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
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BAXTER BLACK

ON THE EDGE OF COMMON SENSE

The Gap of No Understanding

There is a bridge to cross in understanding between those who live off the land (rural) and those who benefit from it (urban), but have no personal relationship with it.

Examples abound. I suspect a large portion of urbanites imagine the wolf as a gladiator of the woods. He has a family with little ones. They only eat what they are forced to kill. Sort of a "Lion King" image.

Rural folks consider them more like the mafia. Don Lobo is the drug dealer, thief, leader of the gangs who shoot innocent bystanders, the muggers and serial killers. Realistically they are the apex predator and consider anything else that moves as prey.

The romantic image that wolves imbue to many urbanites explains why they support reintroduction of wolves into the rural areas. They are never exposed to the consequences. It's all movies to them.

Those rural folks who are recipients of relocated wolves can predict that their lives and those of their children and livestock will be drastically changed. Imagine if the government declared to the urbanite that they were going to plant stinging nettles or poison ivy in their backyard. "Don't worry," they reassure, "We will only plant the poison ivy and nettle in one side of your yard."

"It will spread," protest the urban folks. "Why are you doing this in the first place? It took us years to get rid of the weeds, the thistle and cholla, the hemlock and kudzu. You will ruin everything. We have pets, we have young children, we have a stone barbecue grill, we have a fountain. We've planted shade trees, what kind of people are you?"

The government assures the recipients of the predator plants that their goal is to make sure that these plants don't become extinct. If they could only get them classified as endangered, they could take your land.

Rural communities are often ravaged by a government of No Understanding. Can you imagine the appointed leaders of the Department of Interior or the EPA treating their political benefactor or their next-door urban neighbor the way they routinely treat rural people? The majority of urbanites support the invasions as long as it is "Not in my backyard." It's like talking to "What, Me Worry?"

Is there a way to bridge this gap of No Understanding? Rural people do not hate wolves. They actually understand the predator/prey relationship better than most. They are part of it on a day-to-day basis. Since Columbus and Coronado invaded the western hemisphere, man has gradually assumed the apex predatorship above wolves, bears, mountain lions, rattlesnakes and alligators. Man has been playing his

part in nature since then. That is why there are no wolves at the White House lawn, Hyde Park in Chicago or in the Hollywood Bowl.

The government's meddling is now trying to reverse nature's way, but only if it is "Not in their own backyard." I guess it's their hypocrisy that most rural folks resent.



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DAJS Jackpot 138 won reserve grand champion bull at the 2014 American Royal Super Point Roll of Victory (ROV) Angus Show, Nov. 1 in Kansas City, Mo. Andrew Hodges, Lebo, owns the September 2013 son of DAJS All In 828. He first won senior calf champion. Brett Barber, Channing, Texas, evaluated the 152 entries.

LAND AUCTION JACKSON COUNTY, KANSAS

40 Acres (+/-)
Grass, Timber, Hunting, Recreational

TRACT LOCATION:
½ mile North of R4 & 198th Rd, Jackson County, KS

LEGAL:
S/2, S/2, NW/4 S26-T7-R15

AUCTION LOCATION:
Your Place or Mine Catering, 501 E. 5th St, Holton, KS

AUCTION DATE:
December 4, 2014 @ 7:00PM

Further Details:
KellermanRealEstate.com
Roger Hower@Auctioneer
785-364-8272

KELLERMAN REAL ESTATE
101 W. 4th St., Holton, KS

2014 Kansas State Fair sees high fair-goer numbers

(AP) - While more people attended the 2014 Kansas State Fair than in previous years, officials say fewer people are buying tickets to watch events in the 90-year-old grandstand.

According to numbers released at the fair's board meeting, the *Hutchinson News* reports grandstand attendance reached a low of about 23,200.

Fewer people have

bought tickets for concerts and activities at the grandstand since 1993, when more than 57,000 took to the seats. Last year, about 30,500 people attended grandstand events. The previous low was in 2001 with about 23,400 people.

However, the Kansas State Fair this year saw its best attendance in 16 years, with more than 355,000 fair-goers.

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- Cradles can be lifted w/one hand
- Cradles are removable
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- Heavy duty tubular construction
- 10-bale trailer has 7,000 lb. tandem axle with brakes
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New 2014 Kubota GXDTC Tractors

Kubota's GXDTC tractors feature one of the industries' most comfortable cabs and are equipped with 24x24 Intellishift transmission, hydraulic shuttle, MFWD, cast wheels, radial tires, two rear hydraulic remotes, an instructor seat and more!

M100GXDTC	M110GXDTC	M135GXDTC-F
M.S.R.P \$67,236	M.S.R.P \$70,312	M.S.R.P \$83,385
SALE PRICE	SALE PRICE	SALE PRICE
\$52,990*	\$55,990*	\$66,990*

Add an LA1954 Loader for only \$7,228 Add an LA1954 Loader for only \$7,228 Add an LA1954 Loader for only \$8,389

'14 Kubota M9960 HDC

100hp., 4WD, Grand Cab with AC, 8F8R with hydraulic shuttle, and big 16.9x34 rubber.

SALE PRICE \$39,990*

Hurry...Only 2 Left At This Price!



Add an LA1353 Loader for only \$7,420

'14 Kubota M6060 HDC

60hp 4-cylinder Kubota diesel, 4WD, 8F8R with hydraulic shuttle, Ultra Grand factory cab with AC.

SALE PRICE \$33,990*



Add an LA1154 Loader for only \$5,968

'14 Kubota M5140 HD

Beat the Tier IV price increase Special allocation of Tier III M-Power tractors. 4WD, hydraulic shuttle, 8F8R, rear remote, loader with 72" QA bucket.

SALE PRICE \$31,990*

Only 12 At This Price!



Shown with optional weights

Year-End Special - 2014 Kubota L4600 Tractors

Beat the Tier IV Price Increase

Only 39 Units Left!

We've received a special allocation of these 46hp. 4-Cylinder Kubota Diesel Tractors in both 2WD or 4WD. Choose Synchro Shuttle or Hydrostat. Get 'em before they're gone!

L4600F 2WD	L4600DT 4WD	L4600HST 4WD
\$13,990	\$19,990	\$21,990

Add a Genuine Kubota LA764 Loader for only \$4,600 More! Make it a Package for only \$2,000 More!

And...0% APR Financing for up to 60 Months!**

*Includes applicable Customer Instant Rebates.

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Tax planning important for high income year

By Keith Martin,
Wildcat Extension District

Agriculture has always been an industry with cyclical income trends. This year, cattle producers are looking at historic high prices for their livestock. In addition some producers received unexpected drought relief payments. The combination of these factors leads to concern about the inevitable tax bill that follows.

There are usually two things that come to mind for the agricultural producers when looking to reduce taxable income. The first is to buy equipment and the second is to prepay expenses for next year.

In years of alternating high prices, prepaying expenses is a good way to even out income over the long term. However, if the expected high prices come through for several years, prepaying isn't as effective and simply pushes back dealing with the issue to the following year. In the first year of higher than expected returns, prepayment is relatively easy, however if returns stay high the following year, you may have to prepay what you did this year plus possibly additional expenses. Prepaying expenses is not a bad strategy, but it can't be the only strategy in periods of long term profitability. Also, if you prepay this year you most likely will need to maintain enough cash on hand to prepay next year as well.

Buying capital purchases to reduce taxable income is a longtime favorite strate-

gy by producers and equipment salesmen. Without Congressional action, the law stands that we will have a limit on Section 179 of \$25,000 (indexed for inflation) for 2014 and no bonus depreciation. That means that for capital purchases made in 2014, you can fully deduct the first \$25,000 you spend and the remainder will be subject to regular rates.

In a study of long-term profitability of cattle producers, those operations with the lowest depreciation expense, or lowest equipment expense per cow were the most profitable. So simply purchasing equipment just to reduce tax liability is not the best strategy for sustainable profitability. On the other hand if that equipment is needed and provides more benefits than cost over the long

term, by all means give that capital improvement serious consideration.

Income averaging allows cash basis taxpayers to carry income back to the three prior years and recalculate the tax in those years. It will be especially beneficial if your past three years have been years with lower profitability than this one. Income averaging does not affect self-employment taxes. That tax will be calculated on all the income reported in 2014 regardless of any carryback.

In many farming and ranching operations the labor of the family members goes unpaid. In periods of high income, you may consider paying wages. You must pay a reasonable wage for the work done. For example, you can't pay a two-year-old \$10,000 per year to help around the farm but

many kids do considerable work around the operation and can be compensated. This expense reduces your farm income and could be tax-free if their total income is under the standard deduction. This also gives the youth earned income that they could contribute to a Roth IRA. These funds can be used to pay for college expenses but are not looked at for Federal Financial Aid purposes.

Retirement plans offer a great way to reduce income today. You can use a traditional IRA that has lower limits or you can consider plans like a SEP plan that

allows a significant contribution in high income years. Either way, you can use them now to avoid high tax brackets and could convert them to Roth IRAs in years of low taxable income. Either way, putting money into a retirement plan locks the money up until you reach age 59 and a half (unless an exception applies) or you will face a 10 percent penalty plus tax on the withdrawal.

It is important that you manage your tax bill responsibly so that you are neither creating a nightmare down the road nor paying more taxes than you

need to. The balance of finding ways to have the lowest tax bill over the entire course of your business takes planning and the benefit of a quality tax professional that knows and understands agriculture. Consult your tax professional sooner, rather than later so that you can make the best choice for a sustainable business.

An excellent YouTube video which discusses this topic in more detail is available at http://bit.ly/Tax_Plan (Source: Tina Barrett, Executive Director of Nebraska Farm Business, Inc.)



The grand champion Balancer bull at the American Royal Gelbvieh and Balancer Show was 3G EZ Money 209Z, owned by Emily Griffiths, Kendallville, Indiana and Overmiller Gelbvieh, Smith Center. This bull first claimed the senior bull division and is the January 16, 2012 son of Duff Basic Instinct 6501.

Grass & Grain Weather Report

Seven Day Forecast

TUESDAY
 Mostly Sunny
 High: 41 Low: 25

WEDNESDAY
 Partly Cloudy
 High: 45 Low: 32

THURSDAY
 Partly Cloudy
 High: 49 Low: 35

FRIDAY
 Partly Cloudy
 High: 50 Low: 35

SATURDAY
 Mostly Cloudy
 High: 45 Low: 34

SUNDAY
 Partly Cloudy
 High: 48 Low: 32

MONDAY
 Mostly Sunny
 High: 46 Low: 28

In-Depth Local Forecast

Today we will see mostly sunny skies with a high of 41°, humidity of 56%. The record high for today is 74° set in 1960. Expect partly cloudy skies tonight with an overnight low of 25°. The record low for tonight is 7° set in 1993. Wednesday, skies will be partly cloudy with a high of 45°, humidity of 66%.

Last Week's Almanac

Date	Hi/La	Normals	Precip
11/20	42/13	52/28	0.00"
11/21	38/20	52/28	0.00"
11/22	62/38	51/28	0.00"
11/23	57/38	51/27	0.07"
11/24	46/27	50/27	0.00"
11/25	50/15	50/26	0.00"
11/26	46/20	49/26	0.00"

Rainfall last week: 0.07"
Normal rainfall: 0.44"
Departure from normal: -0.37"
Average temp last week: 36.6°
Average normal last week: 38.9°
Departure from normal: -2.3°

Today's Local Outlook

This Week's Sun & Moon Chart

	Day	Sunrise	Sunset	Moonrise	Moonset
Full 12/6	Tuesday	7:28 a.m.	5:03 p.m.	2:44 p.m.	3:13 a.m.
	Wednesday	7:29 a.m.	5:03 p.m.	3:23 p.m.	4:19 a.m.
	Thursday	7:30 a.m.	5:03 p.m.	4:05 p.m.	5:23 a.m.
	Friday	7:31 a.m.	5:03 p.m.	4:50 p.m.	6:25 a.m.
Last 12/14	Saturday	7:32 a.m.	5:03 p.m.	5:40 p.m.	7:24 a.m.
	Sunday	7:32 a.m.	5:03 p.m.	6:32 p.m.	8:17 a.m.
	Monday	7:33 a.m.	5:03 p.m.	7:27 p.m.	9:06 a.m.

Local UV Index

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

Weather History

Dec. 2, 1925 - A late season hurricane caused extensive damage across the Florida peninsula, then moved off the Georgia coast crossing Cape Hatteras as a tropical storm. The storm produced whole gales along the Middle Atlantic and Southern New England coast.

Growing Degree Days

Date	Degree Days	Date	Degree Days
11/20	0	11/24	0
11/21	0	11/25	0
11/22	0	11/26	0
11/23	0		

Sell

Or Buy

At

Cattle

By

Auction

St.

STARTING TIME

10:30 AM

Marys

Tuesdays

We sold 1203 cattle November 25. Steer and heifer calves were in good demand at prices that were steady to higher. Feeder steers and heifers sold steady to \$5.00 lower. Cows and bulls remained steady.

STEER & BULL CALVES			HEIFER CALVES		
2 blk str	243 @ 345.00	120 blk/bwf str	871 @ 228.00	1 blk hfr	320 @ 308.00
5 blk/bwf str	459 @ 336.00	15 blk str	749 @ 225.00	8 blk hfr	409 @ 302.00
5 blk/red str	463 @ 325.00	4 blk str	829 @ 225.00	1 blk hfr	345 @ 300.00
3 bwf/red str	438 @ 319.00	58 mix str	879 @ 223.25	4 blk hfr	461 @ 286.00
1 blk str	485 @ 313.00	62 blk/red str	891 @ 222.50	2 blk hfr	413 @ 274.00
1 blk str	320 @ 312.00	9 blk str	889 @ 222.00	1 blk hfr	390 @ 271.00
1 blk str	415 @ 310.00	2 wf str	740 @ 220.00	26 blk hfr	508 @ 270.00
1 bwf bull	410 @ 300.00	4 bwf/blk str	869 @ 217.00	5 blk hfr	523 @ 267.00
1 blk str	485 @ 299.00	5 blk str	957 @ 215.00	22 mix hfr	504 @ 260.00
2 red bulls	475 @ 299.00	60 mix str	952 @ 212.25	3 blk hfr	517 @ 258.00
1 limo str	460 @ 292.00			2 blk/bwf hfr	495 @ 255.00
7 blk/sim str	539 @ 287.00			2 bwf hfr	480 @ 250.00
8 mix str	515 @ 278.00			2 blk hfr	480 @ 250.00
3 x-bred str	530 @ 276.00			2 blk hfr	543 @ 250.00
2 blk/char bulls	535 @ 275.00			2 blk/red hfr	540 @ 246.00
3 x-bred str/bulls	432 @ 275.00			1 char hfr	545 @ 240.00
2 blk bulls	520 @ 260.00			4 x-bred hfr	534 @ 235.00
13 x-bred bulls	413 @ 251.00				
1 char str	505 @ 241.00				
2 blk str	495 @ 240.00				

STOCKER & FEEDER STEERS			STOCKER & FEEDER HEIFERS		
36 blk str	563 @ 286.25	4 blk hfr	604 @ 245.00		
22 blk/bwf str	634 @ 264.00	2 blk/bwf hfr	650 @ 244.00		
9 blk str	607 @ 261.50	4 blk hfr	591 @ 239.00		
4 blk str	611 @ 257.50	39 blk/bwf hfr	661 @ 239.00		
6 blk/sim str	642 @ 251.00	6 blk/bwf hfr	573 @ 235.50		
3 blk/char str	643 @ 250.00				
2 limo str	590 @ 241.00				
23 blk/char str	763 @ 240.00				
13 blk str	798 @ 240.00				
5 blk str	732 @ 237.00				
3 brndl str	650 @ 230.00				
13 mix str	667 @ 229.00				
2 blk str	783 @ 228.00				

COWS & HEIFERETTES			BRED COWS & HEIFERS		
3 blk hfr	982 @ 196.00	1 blk cow	@ 2000.00		
1 blk hfr	1055 @ 175.00	1 bwf cow	@ 2000.00		
2 blk hfr	1050 @ 172.00	1 x-bred cow	@ 1925.00		
1 blk hfr	1220 @ 150.00	1 blk hfr	@ 1850.00		
1 blk hfr	1080 @ 127.00	1 blk hfr	@ 1825.00		
1 blk cow	1430 @ 121.00	1 gelv cow	@ 1600.00		
1 sim hfr	1205 @ 120.00	1 blk cow	@ 1500.00		
1 char cow	1430 @ 119.00	1 bwf cow	@ 1375.00		
1 red cow	1735 @ 118.50	1 blk cow	@ 1375.00		
2 blk hfr	1430 @ 117.50	1 wf hfr	@ 1375.00		
1 blk cow	1465 @ 117.00	1 blk cow	@ 1210.00		
1 blk cow	1575 @ 116.50				
1 blk cow	1625 @ 116.00				
1 blk cow	1620 @ 115.50				
2 blk cows	1730 @ 115.00				
2 blk/red cows	1768 @ 114.50				
1 blk cow	1768 @ 114.00				
4 blk cows	1303 @ 113.50				
1 blk cow	1435 @ 113.00				
1 bwf cow	1550 @ 112.50				
1 bwf cow	1445 @ 112.00				

COW/CALF PAIRS		
1 sim cow/cf	@ 2400.00	
1 char cow/cf	@ 2275.00	

BULLS			
4 blk/red bulls	1136 @ 150.00	1 blk bull	1915 @ 130.50
1 blk bull	1965 @ 142.00	1 blk bull	1530 @ 130.00
1 red bull	1605 @ 137.00	1 blk bull	2105 @ 125.00
1 bwf bull	1350 @ 135.00	1 blk bull	1820 @ 120.50
		1 blk bull	1765 @ 104.00

CONSIGNMENTS FOR DEC. 2:

- 25 Angus steers, 650-750 lbs., weaned, vaccinated
- 20 Angus steers and heifers, 550-650 lbs., weaned, vaccinated
- 50 Angus Simmental steers & heifers, 500-650 lbs., weaned, vaccinated
- 50 black steers and heifers, 600-650 lbs., weaned, vaccinated
- 85 black steers, 625-650 lbs., 75 days weaned, vaccinated
- 97 black bulls and heifers, 450-650 lbs., vaccinated
- 85 black steers, 825-850 lbs.
- 64 black char steers, 825-850 lbs.
- 61 black x-bred steers, 900-925 lbs.
- 120 black char steers, 850-875 lbs.
- 60 black char steers, 825-850 lbs.
- 100 Angus steers and heifers, 500-650 lbs., vaccinated

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THURSDAY, DECEMBER 11 • 1 PM

HERD DISPERSAL: 84 Angus bwf cows, 6 yrs, short & solid, bred to Mill Brae Protege Angus bulls, start calving Feb. 1

- 25 Angus cows, short & solid, bred to Mill Brae bulls, start calving Feb. 1
- 6 Hereford first calf heifers, bred to low birth weight Angus bulls
- 15 Angus first calf heifers, bred to Angus bulls
- 4 Angus first calf heifers with calves
- 4 Angus cows, 3-5 yrs old with fall calves
- 2 Angus cows, short & solid, with calves
- 1 Angus bull, 18 mo. semen tric tested low birth weight

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St. Marys, Ks.

Examining the truth about herbicide use in wheat

By Jordan Hildebrand
Hi. My name is Jordan, and I grew up on a wheat farm. Now I work for Kansas Wheat at my dream job that I never knew I had. I eat wheat, I've rolled around in wheat, eaten the berries straight from the field, I've ridden in combines, even driven one once (#neveragain), and I have constructed award-winning wheat straw nests (although my cousins would contest that fact).

I recently read an article detailing how wheat farmers "drench" their crops shortly before harvest as a "standard procedure," but I wasn't convinced. I knew, based on my own experiences, that it wasn't happening on our farm, but I recognize that I am not an expert in all facets of wheat production.

So, I looked to those experts. I talked with folks who raise wheat in Kansas, as well as a woman with a doctorate and a specialty in weed science. I've reached out to a wheat geneticist and a gentleman who works with industry affairs for Monsanto. Here's a spoiler-alert for the rest of the article... They have all agreed that it is, NOT STANDARD PROCEDURE for winter wheat farmers to spray their crops with herbicides seven to ten days before harvest.

All right... Let's get down to business.

What Does the Science Say...

The thing that struck me about several of the "whistle-blowing" articles I have seen on the topic was the wealth of linkable articles sourced in what I was reading. The problem is, the more links you click, the more you jump to unhelpful statistics generators that are difficult to use (unless you know exactly what you are looking for), as well as links back to other pages on the same website. Unsatisfied with these sources, I went and found my own.

Anita Dille, Ph.D., is a professor of weed ecology at Kansas State University.

"The purpose of herbicides (like Roundup®) is for weed control," said Dr. Dille. "There are a number of different times that herbicides are put on for weed control. And often if you think of a wheat production system, it could be right before planting or right after planting if there's weeds during the crop."

So, the majority of herbicide usage happens before, or shortly after planting. That is around eight to nine months prior to harvest. Spring and durum wheats, in particular, have higher percentages of herbicide use than winter wheat, according to the USDA. However, Dr. Dille was quick to point out that there is no time frame for the data presented, so a large majority of the herbicide usage described was most likely before, or right after wheat was planted.

In those months pre-harvest, a lot can happen to the crop. At harvest time, you can probably count on there being some weeds, but these don't generally pose a problem if the weeds are shorter than the wheat head. If there are heavy rains at harvest time, combined with a thin stand of wheat, weeds can pose a serious problem for farmers. Weeds can make harvest difficult by making the grain harder to thresh and by putting unwanted foreign material in the bin. Then, farmers will have a serious choice to make: harvest anyway and face pay dockages at the elevators (or even risk being turned away), abandon the field and pray for a better crop next year, or spray for weeds and incur costs and a delay in harvest.

"Glyphosate is typically applied with a ground rig, and a ground rig will only run the wheat down," said Brett Carver, Wheat Genetics Chair in Agriculture at Oklahoma State University. "In most U.S. wheat regions, it takes a situation of no-other-choice desperation to consider glyphosate as a harvest aid... certainly not the usual scenario."

For those who choose the latter, there are regulations to be followed.

"There's all sorts of research that goes on before information gets put onto a label as a legal recommendation," said Dr. Dille. "It starts with the companies. They've done the research. Then, it always goes to a contract research or university level, unbiased and independent kind of sources. Then, all that information goes together in a petition to the EPA before it can be put onto a label as a legal recommendation. All that is regulated. The label is a legal document that the growers have to go by."

"U.S. wheat producers do

NOT routinely use Roundup®, or other formulations of glyphosate, for pre-harvest applications," said Steve Joehl, Monsanto's Industry Affairs Director for wheat. "Quite the contrary, it is the exception rather than the rule. You should be aware that Roundup has an approved label with the EPA for pre-harvest use, in the event farmers desire to control perennial weeds, like Canadian thistle, prior to harvest; or for farmers in areas of short growing seasons where crop maturity can be delayed. When used according to labeled recommendations, it is a very safe application. But because Roundup is used in Roundup Ready crops of corn and soybeans, these perennial weeds infestations have been reduced and the practice has been reduced even more."

The label recommendations, in partnership with resources from state extension offices, help farmers make decisions on what herbicides to apply, and even if the application is worth it. Just because farmers have access to sprayers doesn't mean that applying herbicides, like glyphosate, is practical.

"Part of the thinking is that a grower is not going to put on something that's not needed, because that's an expense," said Dr. Dille. "They need to make a good decision in regards to the expense that it is. And is it going to make a difference, or if I wait a week will the weeds die and I'll be fine? It's a balance."

At harvest time the wheat plant is dead and dried out. Since herbicides need a live plant to be effective, very few chemicals are absorbed into the plant and transported to the berry. However, there may still be some residue left on the heads. But when the mandated waiting period is fol-

lowed, it is less likely that the herbicide will still be present in the final product.

What Does the Farmer Say?

Justin Knopf is a husband, father of two and a wheat farmer.

"It's so sad and disheartening to me that people are trying to demonize the wheat that I work so hard to produce," said Knopf. "We work diligently to produce a quality and safe wheat to feed people around the globe a nutritious product, all while doing it with environmentally safe methods."

But how he feels isn't relevant. It's all about what he applies.

"No, I have never used glyphosate in any form as a desiccant (a substance that induces dryness on the plants it is applied on) for as long as I have been farming. And I don't think my dad did either," said Knopf.

Greg Peterson, the eldest brother from the Peterson Farm Bros. crew, has returned to work on his family operation. I took several classes with Greg both pre- and post-YouTube fame, and am proud to say that I was viewer number 15 on their first parody video, *I'm Farming and I Grow It* (now viewed over nine million times).

"Spraying Roundup on wheat is extremely uncommon where we are from," Peterson said. "In my entire life we've done that once and that was when the option was to spray one of our fields or lose the crop completely. Even then, it is illegal to harvest that soon after spraying; you have to give it several weeks and the spray will wear off, break down, and no longer be effective."

These men operate very different farms, but they all answered the same thing when asked,

"So, is wheat safe?"

The answer, without hesitation, was a resounding

"YES."

"The wheat that comes off of my farm is absolutely safe," said Knopf. "My three- and six-year-olds play in the wheat that we harvest, and I wouldn't let that happen if it wasn't."

In Defense of this Long Essay

After talking to the real experts who have spent years learning about the wheat industry in classrooms, labs and fields, I can't help but conclude that the conventional wheat supply is safe. If you disagree, please feel free to support organic wheat farmers with your business. They also work hard to put food on your table, and I appreciate the lengths they go to in order to grow their crop. And, Sarah (The Healthy Home Economist), if you would like to visit a wheat farm and the Kansas Wheat Innovation Center, please get in contact with us! We'd love to see you and your family in Kansas.

I will continue to eat, and

bake, wheat. My family will give my adorable nephew wheat-filled goodies. I'll watch his face light up when he takes combine rides. And, maybe someday if I also have kids, I will relinquish my straw nest building title.

(Who am I kidding? No, I won't.)

Don't believe me? Check out these other resources!

Nurse Loves Farmer - I've just been introduced to Sarah's world, and I can tell I like her a lot. She has an excellent blog post (with some awesome photos and an infographic.)

Prairie Californian - Jenny, a native Californian, married a North Dakota farmer, and this is their story on how they operate. She has some more great infographics and an interesting perspective.

The Truth About Roundup and Wheat - Support material provided by Steve Joehl, Monsanto's Industry Affairs Director for wheat. Includes additional links.



The Balancer Reserve Junior Heifer Calf at the American Royal Gelbvieh and Balancer® Show was AHL Deb 467B ET, owned by JW LeDoux, Agenda; Sire: SAV Brilliance 8077.

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*******STARTING TIME: 12:00 NOON*******

MARKET REPORT FOR TUESDAY, NOVEMBER 25, 2014
RECEIPTS: 1223 CATTLE

STEERS			HEIFERS		
2 blk str	397@365.00		2 hols str	505@217.50	
5 blk bulls	412@353.00		6 blk str	847@217.00	
4 blk red str	417@346.00		4 blk red str	977@213.00	
3 blk str	470@330.00		5 blk str	824@212.00	
4 blk red str	303@330.00		10 hols str	758@189.75	
4 blk str	518@305.00		10 hols str	883@177.50	
5 blk str	525@303.00		HEIFERS		
6 blk str	537@287.00		3 blk hfr	406@306.00	
7 blk str	577@277.50		2 blk hfr	387@292.50	
11 red str	581@277.00		8 blk hfr	481@280.00	
9 blk str	651@275.50		6 blk hfr	485@272.00	
23 blk red str	586@268.25		5 blk hfr	478@270.00	
6 blk str	641@263.50		7 blk hfr	552@256.50	
9 blk str	693@260.50		14 blk hfr	606@256.00	
4 red str	661@260.00		11 blk hfr	554@253.50	
10 blk str	692@260.00		7 blk red hfr	564@253.00	
6 blk str	689@257.00		8 blk hfr	589@249.50	
8 bwf rwf str	714@257.00		5 blk red hfr	591@244.00	
12 blk str	666@254.50		7 bwf rwf hfr	615@240.00	
49 blk str	745@248.00		8 red hfr	627@235.00	
5 blk red str	680@246.00		26 blk hfr	690@234.00	
10 blk str	779@235.50		35 blk hfr	689@230.50	
5 blk str	677@235.00		4 blk hfr	712@227.50	
13 blk red str	789@234.50		6 char hfr	670@223.50	
9 blk str	794@233.50		11 mix hfr	693@222.00	
14 blk str	780@229.50		63 mix hfr	869@218.60	
2 hols str	370@227.50		34 mix hfr	764@216.00	
5 blk str	775@222.00		13 blk hfr	841@214.75	
4 hols str	425@220.00		4 blk hfr	805@212.50	
6 blk str	864@219.50		5 red blk hfr	869@205.50	
5 blk str	901@219.00		7 blk red hfr	926@199.50	

FRIDAY, DECEMBER 12--SPECIAL COW AUCTION--6 P.M.

2 Registered blk balancer 1st calf hfrs/ Al bred August calves	19 blk angus 1st calf bred hfrs, Al bred to SAV Bismark, clean up bull son of Bismark, to start calving Feb. 7
10 blk 1st calf hfrs/fall calves	25 blk cows, 3 yrs, bred blk ang or char, start calving March 12 for 60 days
35 blk 1st calf hfrs/fall calves	
6 blk cows/fall calves 6-7 yrs	

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Goat- Sheep Sale Results		FAT LAMBS	
KID GOATS		155 lbs.	
46-80 lbs.	\$224-\$262	FEEDER LAMBS	
SLAUGHTER NANNIES		79-105 lbs.	\$173-\$200
\$119-\$145		SLAUGHTER EWES	
SLAUGHTER BIG BILLIES		\$81-\$110	
\$120-\$155		SLAUGHTER RAMS	
		\$80-\$96	

Anniversary Cattle Sale December 5th

20 red Angus, 1100 lbs. hfrs, Al Conquest 3 days ultra sound Jan. 15, Sandhill origin; 17 blk, 1100 lbs. hfrs, bred Hereford Feb. 1st; 20 char/red Angus 1200 lbs. hfrs, bred blk Feb. 1, 3 sets, very nice, gentle; 75 blk, 700-800 lbs.; 60 char-Ang-x, 575-700 lbs.; 30 blk, 650-800 lbs.; 32 blk, 400-600 lbs.; 45 char-Angus-x, 600-750 lbs.; 54 blk str, 650-750 lbs.; 31 blk hfrs, 575-650 lbs.; 45 char-x, 575-675 lbs.; 15 blk, 600-700 lbs.; 92 blk, 650-800 lbs.; 10 blk wf hfrs, 600 lbs.; 40 blk str, 700-800 lbs.; 34 blk, 550-700 lbs.; 40 blk, 550-675 lbs. Plus Many More.

Cattle Sale Friday, December 12th

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There was no sale
November 27th due to
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Home Phone - 620-583-5385

Mobile Cell 620-750-0123

Austin Evenson- Fieldman

Mobile Cell 620-750-0222

If you have any cattle to be looked at call Ron or Austin

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NO SALE TO REPORT

DECEMBER 4TH - SALE AT 11 AM.

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check our website for updated consignments:
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(316) 322-0675 (M)	(620) 222-1199 (M)
Larry Womacks, Fieldman	Van Schmidt, Fieldman
(620) 394-3273 (H)	(620) 367-2331 (H)
(620) 229-0076 (M)	(620) 345-6879 (M)
Cattle Sale Every Thursday 11:00 AM	

Harvest of sorghum, beans wraps up in Kansas

(AP) - The latest government farm snapshot shows the fall harvest is wrapping up in Kansas.

The National Agricultural Statistics Service reported last week that 90 percent of the sorghum and 96 percent of the soybeans have now been cut in the state. The sunflower harvest is 86 percent finished.

Winter wheat is faring well so far despite the recent cold temperatures. The agency rated the state's wheat condition as 6 percent excellent, 55 percent good, 35 percent fair and 4 percent poor.

About 95 percent of the winter wheat has emerged.



The Gelbvieh reserve junior bull Calf at the American Royal Gelbvieh and Balancer Show was CIRS 354TB, owned by Circle S Ranch, Canton; Sire: CIRS Decade 278U2.

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Mandatory COOL: still detrimental to trade, still no easy solution

Abolish? Make further tweaks? Or perhaps, make it voluntary? On the heels of the World Trade Organization's (WTO's) latest ruling on U.S. mandatory country-of-origin labeling (COOL), debate on both sides of the issue continues. It's a debate that has spanned more than a decade, and finding a solution that will please everyone involved is likely impossible.

For the second time, the WTO has sided with two top U.S. trading partners (<http://www.census.gov/foreign-trade/statistics/highlights/toppartners.html>) —Canada and Mexico — saying COOL has caused less favorable treatment to imported livestock from those countries compared to U.S. livestock, and furthermore, it has caused a detrimental impact on the competitive trade opportunities of imported livestock.

"(Mandatory COOL) puts Canadian and Mexican livestock producers at a disadvantage to U.S. livestock producers," said Glynn Tonsor, K-State Research and Extension livestock economist. "As an economist who has looked at it, the additional costs that come with the more precise tracking and segregating get built into what U.S. feedyards and packing plants are willing and able to pay for animals not born in the United States."

More precise tracking and segregating were the results of the revised and current U.S. mandatory COOL ruling implemented in May 2013 due to the WTO's first siding with Canada and Mexico.

"In 2009, we had the first implementation of mandatory COOL that led to labels such as 'Product of U.S. and Canada' showing up on beef

steaks, for example, for an animal that might have been born in Canada, then came into the United States to a feedyard and was processed here," Tonsor said.

"Then we had some WTO disputes, discussions and rulings," he continued, "that led the U.S. Department of Agriculture (USDA) to change some specifics of the rule. In May 2013, we had a new rule, the most recent rule, with updated requirements."

The current rule requires that several fresh foods, including meat sold at grocery stores, indicate the individual country or countries where the product was born, raised and slaughtered on the product's label.

"The main difference consumers saw from that rule change was meat labels, such as that on a beef steak, would now be labeled as 'Born, Raised and Slaughtered' in different countries," Tonsor said. "Sticking with the same example I mentioned before, the label would now say, 'Born in Canada, Raised and Slaughtered in the U.S.'"

A 2010 Informa Economics (<http://www.informaeconomics.com/COOLStudyUpdate2010.pdf>) study estimated mandatory COOL cost the beef supply chain roughly \$1 to \$1.2 billion in 2009. For pork that same year, the total cost was estimated at \$167 to \$228 million. This is before the 2013 ruling requiring more detail and likely more cost, Tonsor said.

The consumer perspective

Not only has mandatory COOL shown to be costly and hinder trade, concerns have also come to light questioning if U.S. con-

sumers overall are aware of origin labels or use them to make purchasing decisions.

In his research, Tonsor said he's found no evidence of demand for origin information by the typical meat consumer in the United States (http://www.agmanager.info/live-stock/policy/Tonsor_KSU_FactSheet_MCOOL_11-13-12.pdf). Furthermore, he's found most U.S. consumers don't know that COOL even exists.

"Nearly two years ago, we wrapped up that research after the 2009 rule was implemented," Tonsor said. "We're able to see how actual consumption patterns did or didn't change, as opposed to doing it beforehand and speculating. We found no evidence of beef demand increase following implementation of origin labeling. We found no evidence of pork demand increase. We found no evidence of poultry demand increase."

The meat products Tonsor studied were all covered products through the grocery store chain, as these products must abide by the ruling. Many products he didn't study because they are exempt from mandatory COOL, such as a food item sold in a restaurant and further processed items, such as cured bacon.

"We also did a lot of survey work that shows most of the public isn't aware of COOL, and origin information is not the most important piece to them (when buying meat products)," he added.

The advocates of COOL might say more precision and detail on labels now lends itself to enough information to actually show a consumer demand benefit, Tonsor said, but he's still skeptical if those benefits would be there if a majority of the public still isn't aware of origin labeling.

"How do they value something they don't know is there?" he questioned.

An unknown future

The U.S. Department of Agriculture and trade nego-

tiators on behalf of the United States have yet to make statements as to whether or not they will appeal the latest WTO ruling or focus on modifying the rule for another time, Tonsor said. Many people and groups are politically involved in the issue and want different outcomes.

"The groups believing there is no consumer demand benefit and are concerned with additional costs would have a strong preference to abolish (mandatory COOL) or get as close to abolishing to the policy as possible," he said. "The groups that are advocates of mandatory COOL are pointing out the United States has the right to label origin. Components of the WTO ruling have also said the United States has that right."

Tonsor said he believes it would be difficult to technically redesign mandatory COOL in a way the WTO would view as giving information to consumers while not continuing to negatively affect U.S. trading partners.

"Moreover, I don't know if it has to be a mandatory COOL policy," he said. "Perhaps we could have developed (COOL) in a voluntary sense."

Voluntary COOL might still be a possibility to consider, as it would allow packers and retailers the option to label the origin. Consumers could continue to shop for foods by origin preference, if the packers or retailers decided the added cost of labeling would be offset by consumer demand.

More information about the WTO's ruling can be found online www.wto.org/english/tratop_e/dispu_e/cases_e/ds384_e.htm. Tonsor's research related to COOL is located on K-State's Ag Manager website www.agmanager.info/livestock/policy/Tonsor_KSU_FactSheet_MCOOL_11-13-12.pdf.

A video interview with Tonsor is available on the K-State Research and Extension YouTube page www.youtube.com/watch?v=ubzqOQ0jeY&feature=youtu.be.

JC LIVESTOCK SALES INC.
Wednesday Sale, Hogs NOON • Cattle 12:30 PM

NO SALE DUE TO HOLIDAY

CONSIGNMENTS FOR DECEMBER 10
20 Angus first calf bred heifer, bred to LBW
Angus bulls, start calving Feb. 1st
125 blk-x str & hfrs, 500-750 lbs.
50 Ang-x str & hfrs, 500-750 lbs.
PLUS MORE SALE TIME!

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

CLAY CENTER LIVESTOCK SALES INC.
Cattle sales Tuesday, 11:00 AM.

For week of November 25, 2014

STEERS			2 blk	550	257.00
3 blk	413	323.00	17 blk	596	245.00
7 mix	428	309.00	5 blk	721	220.50
17 blk	501	301.00			
5 blk	618	257.00			
HEIFERS					
9 mix	338	294.00			
16 blk	452	269.00			

NEXT SHEEP & GOAT SALE: DEC. 6
Equip & Hay sell @ 11 AM • Sheep & Goats Noon

- Several fence line sheep & goat feeders
- Several feedbunks
- Sheep/Goat blocking stand w/lift
- Used single horse trailer, very good condition
- 100 sq. bales of brome, hay wire tied & good quality
- 3 Reg. Boer nanny goats, bred, Mulberry Meadows Farm

CONSIGNMENTS FOR DECEMBER 9:
180 Blk X Strs/Hfrs650-800 lbs.....Weaned, Vacc.
60 Blk X Strs/Hfrs700-800 lbs.....Weaned, Vacc.
50 Blk X Strs/Hfrs500-650 lbs.....
40 Limox Strs/Hfrs700-850 lbs.....Weaned, Vacc.
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★ NO SALE: DECEMBER 23RD
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NRCS seeks public comments on Conservation Stewardship Program interim rule

The U.S. Department of Agriculture's (USDA's) Natural Resources Conservation Service (NRCS) in Kansas is seeking public comments on changes to the Conservation Stewardship Program (CSP) interim final rule. USDA published the interim final rule, which contains the statutory changes to CSP in the Federal Register.

Register www.federalregister.gov/articles/2014/11/05/2014-26295/conservation-stewardship-program-csp-interim-rule. The rule will be open for public comments

through January 5, 2015. Interested individuals can submit public comments on the interim final rule on <http://www.regulations.gov/#!documentDetail;D=NRCS-2014-0008-0001>. Public comments will be used to finalize the interim final rule. A final rule will be published afterwards.

"As conservation leaders, farmers and ranchers in Kansas will be pleased by the program changes," said NRCS state conservationist Eric B. Banks. "These changes will increase the level of stewardship needed to address critical resource concerns on working agricultural lands and enable them to deliver more conservation benefits."

The interim final rule is used to implement CSP. This program helps agricultural producers maintain and improve their existing conservation systems and adopt additional conservation activities to address priority resources concerns. Participants earn CSP payments for conservation performance—the higher the performance, the higher the

payment. Congress changed CSP in the 2014 Farm Bill and NRCS, the agency that administers CSP, incorporated those changes into this interim rule. These changes are designed to improve the competitive nature of the program, including raising the bar for the quality of projects enrolled and increasing the number of priority resource concerns to be addressed during the term of the CSP contract.

The interim final rule also expands the CSP's reach to include veteran

farmers and ranchers under special funding pools for beginning and socially disadvantaged producers, updates requirements for contract renewal, uses science-based stewardship thresholds to determine program eligibility and success, and expands program enrollment to include lands protected under the new Agricultural Conservation Easements Program and that are in the last year of the Conservation Reserve Program.

NRCS has also increased flexibility for producers to make minor adjustments to

their agricultural operations that will result in the same or better stewardship of the land, and removed extraneous provisions that did not relate to program participants rights and responsibilities. For more information about CSP in Kansas, visit www.ks.nrcs.usda.gov/programs/financial/csp/ or your local USDA Service Center. Follow us on Twitter @NRCS_Kansas. For information about CSP nationally, please visit www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/csp/.

Ag leader Chris Novak to become NCGA's chief executive officer

After a comprehensive recruitment process with many strong candidates, the National Corn Growers Association has announced that Chris Novak will become the organization's next chief executive officer, taking the place of 14-year veteran Rick Tolman, who earlier this year announced his intention to retire from the organization.

"We're thrilled to have Chris join us at NCGA," said NCGA president Martin Barbre, a corn grower from Illinois. "He has all the right qualifications to take the reins of this growing organization and keep it moving in the right direction, continuing the tradition of success we saw under Rick Tolman."

Novak's first day as

NCGA CEO was Monday, Oct. 13. He currently serves as chief executive officer of the National Pork Board, a position he has held since October 2008. Prior to that, from 2004 to 2008, he was executive director of the Indiana Corn Marketing Council, the Indiana Corn Growers Association and the Indiana Soybean Alliance. Novak also has served in positions at Syngenta and the American Soybean Association, and worked on Capitol Hill.

"I am very excited about this opportunity to work with a terrific team of grower leaders, state affiliates and the NCGA staff," Novak said. "With a record corn crop predicted for this year, corn farmers must work together to build new markets

that keep up with our increasing productivity. I'm looking forward to working with the team to meet this challenge."

Novak holds a master's degree in business administration from Purdue University, a law degree from the University of Iowa and a bachelor's degree in public service and administration from Iowa State University. Novak and his wife, Julie, have three children.

Barbre appointed a cross-functional search committee to aid in the placement, led by NCGA chairwoman Pam Johnson. The committee retained the services of Kincannon & Reed, an executive recruitment firm that specializes in the global food and agriculture sectors and has exten-

sive recruiting experience for agricultural associations.

"Our search committee was impressed with the caliber of candidates, and we faced a lot of tough decisions, but in the end, we knew Chris would be a great fit with NCGA," said Johnson. "I'm grateful for the hard work of our search committee and for the guidance of Kincannon & Reed for making this a great process."

Outgoing CEO Tolman had announced in March that he would be retiring from NCGA at the end of the association's fiscal year, to spend more time with his wife, children and grandchildren.

"NCGA has a great future ahead of itself with Chris as

its new chief executive," Tolman said. "I am extremely confident that he has the experience and expertise to lead it boldly and continue its trajectory as a respected national trade association growing in membership and influence. In the weeks ahead, we will be working together on a smooth and productive transition as corn farmers face continuing challenges from several

fronts."

Tolman joined NCGA in September 2000, having previously served as executive director of the U.S. Grains Council, and has received numerous awards and recognition in his time at NCGA. Later this year, he and his wife, Linda, will relocate closer to family in Utah, where they are building a home.



The Balancer champion intermediate heifer calf at the American Royal Gelbvieh and Balancer Show was BDCG DC Darci 401A1 ET, owned by Logan Beying, Easton; Sire: SAV Bismarck 5682.



The champion Gelbvieh junior heifer calf at the American Royal Gelbvieh and Balancer Show was HIGH MS Anneli 14B9, owned by Hightower Cattle Company, Lacygne; Sire: TAU Mr Krugerrand 70M 130P.



The Balancer reserve junior yearling heifer at the American Royal Gelbvieh and Balancer Show was CTR Lass 3200A, owned by JW LeDoux, Agenda; Sire: CTR Sandhills 0065X.

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Shutting It down – Kansas researchers protect wheat by preventing virus replication

By Julia Debes

Viruses result in yield loss. For example, yield loss due to wheat streak mosaic virus equaled more than 4.25 million bushels in the 2013 Kansas wheat crop alone, adding up to a \$32.6 million economic impact. Now, however, researchers funded by the Kansas Wheat Commission have developed a way to stop four of the hardest-hitting wheat viruses – Wheat streak mosaic virus, Triticum mosaic virus, Soilbourne mosaic virus and Barley yellow dwarf virus - literally in their reproductive tracks.

These viruses are like parasites; they need a host. Some even need to hijack part of that host's own genes to replicate and survive. Researchers can now halt this replication process, meaning the virus is not able to spread and damage the wheat plant. With funding by Kansas wheat farmers, Dr. Harold Trick is a nationally recognized expert at transforming wheat varieties.

Dr. John Fellers, USDA Agricultural Research Service molecular biologist based at Kansas State University, has teamed up with Dr. Trick, Kansas State University plant pathology professor, to find exactly what parts of the wheat plant these four viruses commandeer to replicate and how to stop them before the virus is activated.

Understanding the Virus-Cell Interaction

The team started by identifying the exact genes that could help the wheat plant identify and destroy the virus threat. Fellers explained that this acted like a Most Wanted poster that the plant could refer each potential threat to and attack when detected. While effective, this process could only address a single virus at a time.

Because they do not have their own reproductive systems, these four viruses hijack the wheat plant's eukaryotic initiation factors to help them replicate.

However, the team found all four of the abovementioned viruses infect a wheat plant in a similar way. As Fellers detailed, the viruses enter the plant

with a protein cap on, much like an opposing fan sporting a counterfeit KC Royals hat to sneak into Kauffman Stadium. With this disguise, the viruses convince the plant's eukaryotic initiation factors, part of the cell's own reproductive system, to help them replicate. Or, for analogy's sake - buy some beer. Trick reported that all four viruses use a similar counterfeit cap and commandeer the same two cell components, identified as eIF4E-2 and eIF4G.

Trick and Fellers genetically shut down those genes by putting them on the plant's Most Wanted List. In other words, the stadium managers told the concession stand that they cannot sell beer. With the two eukaryotic initiation factors eliminated by the wheat plant itself, Fellers explained the viruses have no means to replicate and die off - with no ill effect to the plant. Trick stated, "One transgene protects against four different economically impactful viruses."

Protection Without Yield Loss

With a genome five times as complex as humans, the wheat plant has redundancies built into its genetics. Trick emphasized that there was no phenotypic penalty, meaning no loss in yield or negative effect to the plant's function even though wheat genes are shut down. In other words, the team can shut down sales of the viruses' favorite Budweiser, but keep the Coors stands open for true Royals fans.

Doctoral student Jessica Rupp tests how resistant the modified wheat lines are to barley yellow dwarf virus through aphid exposure in this growth chamber.

Rupp is testing these plants for their resistance by exposing them to the virus in growth chambers. For Triticum streak mosaic virus and Wheat streak mosaic virus, that is easy – the virus can be rubbed onto the plant's leaves. For Soilborne mosaic virus, a fungus is needed and Barley yellow dwarf virus is best transmitted by aphids. For all of these processes, she said the resistance is stable through the fifth genera-

tion, which has never been accomplished before in wheat. She further explained that because of the redundancies in the wheat plant, a transgene is sometimes silenced in the traditional breeding cycle since the wheat plant is so good at eliminating copies. That is not the case with these two factors. In fact, the process is so effective that Kansas State University filed a patent for it.

Advancing the Science Even Further

This wheat has been modified to resist four different viruses without impacting potential yield. The team's next steps involve moving these transgenes from their current spring wheat varieties into elite winter wheat varieties adapted to Kansas. The most basic way to do this is traditional back-crossing into varieties like Overly, which is happening now. But, this wheat is still genetically modified, meaning a significant investment in time and money to take it to commercialization. Now that the two wheat plant components have been identified, however, the research team explained they can use non-genetically modified methods to accomplish the same virus resistance. Using mutagenesis, the team can look for a mutated version of these factors, like one that that will not recognize counterfeit ball caps or cannot sell beer. Or, using an even more efficient non-genetically modified approach called gene editing, they can make very specific, microscopic mutations just to those factors, like going into the instructions for beer vendors and changing a "can sell beer" to "cannot sell beer."

No matter the method, the discovery of how to prevent yield loss from viral infection for four major wheat viruses could not have happened without the support of their ultimate benefactors - Kansas wheat farmers.

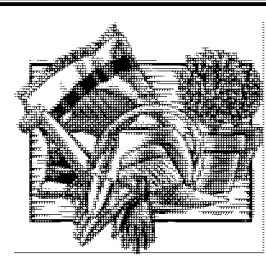
"This type of research is difficult to fund on a national level," Trick said. "Without the support of the Kansas Wheat Commission, we could not do this research. Period."

Kansas cattle on feed up 1 percent

Kansas feedlots, with capacities of 1,000 or more head, contained 2.08 million cattle on feed on November 1, according to the USDA's National Agricultural Statistics Service. This inventory was up 1 percent from last year.

Placements during October totaled 420,000 head, down 11 percent from 2013. Fed cattle marketings for the month of October totaled 320,000 head, down 20 percent from last year.

Other disappearance during October totaled 30,000 head, up 10,000 from last year. Find agricultural statistics for your county, state, and the nation at www.nass.usda.gov.



Yard & Garden Tips By Gregg Eyestone

Protecting Plants from Wildlife

With the close of the growing season, food for some wildlife becomes less abundant. Cottontail rabbits, deer, voles and other wildlife may begin seeking out landscape plants for nourishment. Preventative methods are best prior to the wildlife developing a habit of munching on wanted vegetation.

There are several techniques to employ to prevent damage. Habitat modification is a starting point. Removing cover such as brush piles can lead to relocation of wildlife. Water is necessary for life and reduction in access is desirable. All food sources should be excluded from any potential feeders.

A good way to protect plants is to install a physical barrier that will keep wildlife from reaching desirable plants. On a single stem plant, a wrap or cylin-

der of quarter-inch wire hardware cloth will be effective. Secure it slightly below grade to prevent some root injury as well.

The height depends on the size of the wildlife. Two feet is sufficient for rabbits. Deer may require eight feet. Another approach for deer is to make a cylinder out of reinforcing wire and wide enough to prevent deer from reaching the branch tips.

Several products that are considered repellents can be effective deterrents. They are mostly up to the user to try and determine effectiveness. A repellent should be applied prior to the period of anticipated damage. Once a feeding pattern is established, it becomes more difficult to counteract.

Switching repellent type periodically is suggested to prevent the animal from

becoming accustomed to the use of only one. The addition of a sticker to the mixture will reduce the need to reapply after every rain. Read and follow directions on the package. Although repellents don't kill, they are classified as pesticides and must be used according to the product label.

More information is available from KSU websites. The need is to get out and get protection in place. An ounce of prevention is truly worth a pound of cure in this situation.

If you would like additional information on a horticulture topic, please contact Gregg Eyestone at the Riley County office of K-State Research and Extension. Gregg may be contacted by calling 537-6350 or stopping by 110 Courthouse Plaza in Manhattan or e-mail: geyeston@ksu.edu

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2014 JD 8320R
2014 JD 7250R
2014 JD 7230R
2014 JD 6170R

USED TRACTORS
2013 JD 8360R
2013 JD 8335R
2010 JD 8295R
2014 JD 8285R
2013 JD 8235R
2009 JD 8530
2008 JD 7930
2013 JD 6150R
2012 JD 7230
2005 JD 7420


USED PLANTERS
2- 2014 JD 1790 16/31
2013 JD 1770 NT 16 row
2013 JD 1770 NT 24 row
2011 JD 1770 NT 16 row
2008 JD 1770 NT 16 row
2011 JD 1760 12 row

COMBINES
2013 JD S670
2013 JD S660

NEW EQUIPMENT SPECIALS
2014 JD 2623 VT
2014 JD 2100 ripper
2013 JD 2623 disk
BBK Header Trailers

USED EQUIPMENT
2010 JD 2510H
2012 JD HX 20 RC
2009 JD 568 baler

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AgCo DT200 tractor PFA 18 speed, P.S.....Just In
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2009 Gleaner 8200- 30 flex head for RT2 (REPO).....
.....\$16,900
Bad Boy zero turn lawn mower 60" elec. lift deck, Like new, 26 hrs, 27 HP Kohler engine
.....\$4,295
2005 MF 3000-8 8 row corn head elec. deck plate.\$25,000
2005 Challenger 660, 1,250 eng. hrs., Duals, spreader chopper, lateral tilt, variable header drive, GTA monitor, Field Star, stk#2960.\$146,000
2008 Challenger FHB-25 flex head w/SCH, good condition, stk#1247\$19,000
1990 MF 8570, with AG Leader PF3000 yield monitor, stk#2361Just In
MF 9750 20' flex header, stk#2987Just In
MF 9483 8 row corn head, stk#2988Just In
2001 Gehl SL7800 skid steer loader, 110 HP, enclosed cab, no heat, stk#2984.....\$19,900
Long Crop Dividers for 9700 Series MF header.....CALL
Kinze 3600 planter- Twin Line, 31 row,\$51,900
1948 Willies Jeep w/Trencher ...
.....Consigned- CALL
AGCO/Top Con Auto Guide System 150 (#1114M), AGI3 Top Doc/ GX45 display, stk#2761\$4,750

2002 MF 8280, 4,400 hrs (1,000 hr on overhaul), 4 remotes, 1000 lb. front weight, stk#1631\$69,800
2013 MF 2170XD, 15,700 bales, C1000 monitor, moisture sen- sor, roller chute, bale weight kit, stk#1552\$99,800
Sunflower 1435-29 tandem disc, newIn Stock
White Planter 8128 8 row vert. fold & liquid fert., with 8900 splitter stk#2682, sell together or separate, stk#2680\$35,000
Woods BB60X rotary mower, 2 in stock, slip clutch, stk#1024 & 1025.New In Stock Cary- over Reduced price \$1,995
BW180-2 Bawting 15', stk# 2612New In Stock
Westendorf FL-42 pallet forks, stk# 2366, for TA-25\$995
Bale spear for Westendorf TA-25 loader.....\$395
2005 MF 9790 combine
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2005 MF 8000-30 flex header...
.....Just In
Terex TC-37 mini excavator.....
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H&S BF1460 14 wheel heavy duty hy-capacityNew- In Stock
MF 1545 front dozer blade pack- age, fits MF 1547 tractor, hydraulic tilt and angle, very tough, quick removal hitch.....
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Hesston 946 rd. baler
White 5108 8 row planter
White 8106 Planter w/fert.
2013 Gleaner S-77
1998 Gleaner R72
1996 Gleaner R62
Gleaner 8200 30' w/air reel
Gleaner 800 30' flexhead
Gleaner 400 30' rigid
Gleaner 700 30' rigid
2003 MF 9690 w/30' head
2011 MF 8650
Gehl 5240 skid loader
Gehl 7810 skid loader
2006 8000 25' flexhead



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- 605SM net ramp floors
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- 604L net kicker
- 604XL kicker AccuBale+
- 504N demo, net wrap, full warranty.....\$23,500
- TM800 10' trail mower\$9,000
- 2008 MC1030 13' disc mower cond.....\$15,500
- 705 JD rake wire R23A
- R23A twin rake\$8,000

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- M205 with 26' disc head

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2013 MF 2170XD, 15,700 bales, C1000 monitor, moisture sen- sor, roller chute, bale weight kit, stk#1552\$99,800
Sunflower 1435-29 tandem disc, newIn Stock
White Planter 8128 8 row vert. fold & liquid fert., with 8900 splitter stk#2682, sell together or separate, stk#2680\$35,000
Woods BB60X rotary mower, 2 in stock, slip clutch, stk#1024 & 1025.New In Stock Cary- over Reduced price \$1,995
BW180-2 Bawting 15', stk# 2612New In Stock
Westendorf FL-42 pallet forks, stk# 2366, for TA-25\$995
Bale spear for Westendorf TA-25 loader.....\$395
2005 MF 9790 combine
.....Just In
2005 MF 8000-30 flex header...
.....Just In
Terex TC-37 mini excavator.....
.....New- In Stock
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MF 1545 front dozer blade pack- age, fits MF 1547 tractor, hydraulic tilt and angle, very tough, quick removal hitch.....
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'06 JD 790 MFD 573 hrs w/loader & belly mower
'97 Case IH 9330, 4520 hrs
'84 Kubota L224 DT MFD, 738 hrs
'78 IH 1086 w/ldr.
'73 Case 970, cab
'58 IH 460, gas w/implements
'41 IH FarmAll A w/Woods belly mower

MISCELLANEOUS
'13 Great Plains 2600HD, w/fert., never used
'11 Case IH 3406 corn head
JD 7200 planter 6 row 30'
'08 Case IH 530C Ecolo-Tiger
'07 Case IH RMX340 25'
Case IH 3950 29' disk
Case IH 4300 FC 33'
JD 960 FC 32'
'92 Case IH 1640, 2895 hrs
'91 Case IH 1680 combine 4WD
'02 Case IH 1020 25'
'92 Case IH 1020 15'
'94 Case IH 1063 cornhead
(2) IH 863 cornheads
'88 Case IH 1660, 4300 hrs,
'04 Case IH RBX562 rd. baler
'92 Case IH 8480 rd.baler
'06 Case IH WRX 201 10 wheel rake
'93 Hesston 1150 MoCo 12' Hesston 3982 12 wheel rake
IH 2001 loader
GB 870 loader, fixer upper
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NEW
Balers 605SM, 604SM, 665 Rancher, 504N
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USED
605SM, 605Ms, 604M, 504M, 554XL, 605J, 504Is, 605Fs, R-2300s, WR-22 wheel rake
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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.

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2013 Case IH Magnum 290
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2013 Case IH Magnum 235
MFD, 1561 hrs...\$142,500 (C)
2010 Case IH Magnum 210
MFD, 961 hrs....\$132,500 (S)
2011 Case IH Maxxum 140
MFD w/ldr., 3020 hrs.....
\$87,500 (M)
2010 Case IH Maxxum 125
MFD w/ldr., 1906 hrs.....
\$79,500 (W)
2010 Case IH Maxxum 115
MFD w/ldr., 1015 hrs.....
\$75,000 (M)
2008 Case IH Puma 180 MFD,
2903 hrs.....\$86,500 (M)
2010 Case IH Puma 140 MFD,
1255 hrs.....\$92,500 (C)
2013 Case IH Farmall 140A
MFD w/ldr., 38 hrs.....
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1990 Case IH 7140 MFD,
11826 hrs.....\$43,500 (M)
1991 Case IH 7130 2WD, 8959
hrs.....\$34,500 (W)
1992 Case IH 5140 MFD w/ldr.,
8049 hrs.....\$34,000 (W)
1982 IH 5488 2WD, 7400 hrs...
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Case IH 8370 14' swather.....
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2005 Case IH RBX562 5x6.....
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2010 Case IH RB564 5x6.....

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2011 Case IH 7088, 4WD
2011 Case IH 3020 flex 30'
2007 Case IH 7010 4WD
1998 Case IH 2388 4WD
1997 Case IH 2166 4WD
1981 IH 963 6RN
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Case IH Magnum 280
Case IH Maxxum 125 MFD
Case IH Farmall 105U MFD
Case IH Farmall 95C MFD
USED TRACTORS
2013 Kubota M135 GX, MFD,
ldr.
2013 Case IH Magnum 340
2013 Case IH Magnum 290
2010 Case IH Steiger 435 Q
2002 Case IH Steiger STX275
2010 Case IH Puma 155, ldr.
1994 Case IH 5230, MFD, ldr.
2000 Case IH Magnum MX270
1999 Case IH Steiger 9370Q
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2000 DMI 30.5' FC
1991 NH 499, hydra-swing
1990 Hesston 1150 MoCo
2011 Case IH 1240 16/31 fert.
2010 Case IH 1240 16/31
2008 Case IH 1240 16RN, BF
1998 Kinze 840 grain cart
1992 Case IH 496 28' DH
1979 IH 490 20' DH
2000 NH BB 940S 3x3
1999 NH 658 twine
1980 IH 770 disk



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'07 JD 1770 16-30" ..\$69,500
'05 JD 1770 16-30" ..\$67,500
'04 JD 1770 16-30" ..\$59,500
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'99 JD 1770 16-30" ..\$22,950
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'11 JD 1770 12/30" LF \$81,000
'05 JD 1770 12/30" ..\$49,500
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'04 JD 1790 16/31 ..\$59,500
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'12 Kinze 3660 16-30 ..\$99,500
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'13 JD S680\$309,500
'11 JD 9870\$247,000
'11 JD 9770 4WD ..\$229,000
'11 JD 9770 4WD ..\$180,000
'10 JD 9770\$159,500
'09 JD 9770 Hillco ..\$180,000
'09 JD 9770 4WD ..\$199,500
'08 JD 9770 Hillco ..\$179,000
'08 JD 9670 Hillco ..\$175,000
'06 JD 9660\$139,500
'97 JD 9600 4WD ..\$35,000
'95 JD 9600 4WD ..\$32,500
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'01 JD 9300 PS\$56,000
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'12 CIH 290 MFWD ..\$175,000
'12 CIH 210\$153,000
'03 CIH MX175 loader \$69,000
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DMI 7 shank ripper ... \$9,750
'12 JD 2623 29'\$58,000
'11 JD 2310 45'\$75,000
'05 JD 2210 41'\$34,750
'10 JD 2210 35' FC ..\$29,000
'09 JD 2700\$39,500
Wilrich 3400 FC\$10,000
Wilrich FC\$6,500
Sunflower 42' FC ... \$37,500
'12 CIH 330 25'\$36,500
'11 CIH 30' turbo VT ..\$47,500
'11 CIH 30' disc\$43,500
CIH 4300 41' FC ... \$17,500
— HAY EQUIPMENT —
'96 JD 566\$13,500
'85 JD 530\$5,500
'04 Vermeer 605XL ..\$15,000
'05 Gehl 2880\$8,500
'05 NH 780, 3300 bales\$18,000
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SMALL SQUARE wire tied, 3rd cutting alfalfa. Could deliver. 785-494-2437. 785-456-3108.

ALFALFA BALES- 2013 cutting RFW-160, \$150 per ton; 2014 cutting RFW- 170- 196, \$165 per ton. 785-623-1975

NATIVE GRASS hay, sprayed, net wrapped, also CWF. Wakefield. 785-761-4554.

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3X3X8 square bales prairie hay, \$100/ ton; 3x3x8 square bales of brome, \$100/ ton. 785-249-3303, Dennis. 785-231-9715, Devere.

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2013/ 2014 large brome- fescue mixed, net wrapped, clean, 146 bales, \$63/ ton. Winchester, KS. Dan Sedlak. 913-774-4444. 913-683-5034.

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2005 Chevy Malibu
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FOR SALE: 2004 Ford 12 passenger bus with lift, 113,730 miles, good condition. Contact: General Public Transportation 785-632-3350, 785-632-5427.



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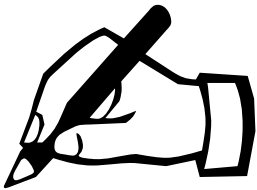


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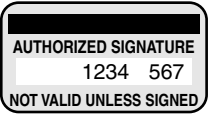
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- NO REFUNDS!
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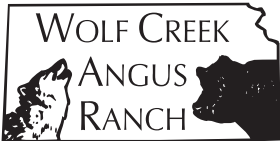
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Calving Ease • Performance with Carcass • Gentle Disposition

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14-16 month olds

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20 Month old

SimAngus

Ready to turn out

Cow Camp Ranch

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AVAILABLE NOW: 44 head of 2 yo spring bred heifers; 80 head of 3- 5 yo spring calving cows; 400 head of 750 lb. spring born open heifers. All Angus. All ranch raised. Call 785-418-2983 (no texts). See videos at www.clovlanfarms.com.

10 HEAD Angus cows with 60 day old calves; 25 head Angus first calf heifers to calve February. 785-364-7707.

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Calving ease, good growth and disposition

Semen tested, poured, vaccinated

Delivery available

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Polled Herefords

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Good bulls with balanced EPD's, practical development, good disposition & eye appeal.

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12 FALL yearling black Sim/Angus bulls. (4) char/ Simm/ Angus bulls, semen checked, vaccinated, poured, very gentle growth, calving ease, Polled. Luin Berger. H: 785-363-2645. C: 785-268-0647.

CHAROLAIS BULL. 18 months. Keys McHenry-TR Turton. Real high quality herd prospect. Gentle, well-developed. Hotwire broke, vaccinated, tested. Free delivery. Kanza Cattle, Chapman. 785-313-6565.

CATTLE

Bull & Female Sale
SAT., MARCH 14
2015



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75 head to Select From
Plus 8 Sim-Angus Bulls
4 2-year old Bulls

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Semen checked, ready to go

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- Priced for the Commercial Cattleman
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CATTLE



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ANGUS AND SimAngus Bulls. 18 Mo of age SimAngus bulls are Sired by ChopHouse. Angus bulls sired by OCC Unchallenged 811U. Several maternal sibs highlighted the Ohlde Advantage female production Sale Ohlde Brothers 785-747-6900 785-541-1088.

HEREFORD BULLS calving ease, good performance & disposition, dehorned. 785-865-3444.



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785-845-5272 Cell
785-817-2328 Cell
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Carbon Metallic - V6 3.6L FWD
Confidence Pkg - Luxury Pkg
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#3081 2014 Enclave 1SP
Silver Metallic - V6 3.6L FWD
Rear Seat Entertainment Pkg
Trailer & Hit The Road Pkg
Front Collision, Side Blind Zone,
& Rear Collision Allert
Nav, Dual Sun Roof, Bose
WAS \$50,180 NOW \$47,550
minus \$3500 Cash Rebate
TOTAL = \$44,050 + plus tax



#3096 2014 Verano 1SL
Bronze Metallic L4 2.4l FWD
Side Blind Zone & Rear Alert
Bluetooth, Rear Vision Camera
Lane Departure Warning
Premium 9 Speaker Bose Audio
Touch Screen with Navigation
WAS \$30,225 NOW \$29,100
minus \$1750 Cash Rebate
TOTAL = \$27,350 + plus tax

Must take delivery by December 1st, 2014 to Qualify for Rebates!

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UPCOMING SALES CALENDAR:

SPECIAL COW SALE

DATES:

- Tuesday, December 16th * 12 Noon
- Tuesday, January 20th * 12 Noon
- Tuesday, February 17th * 12 Noon
- Tuesday, March 17th * 12 Noon
- Tuesday, April 21st * 12 Noon
- Tuesday, May 5th * 12 Noon

SPECIAL CALF SALE

DATES:

- Tuesday, January 6th * 12 Noon
- Tuesday, February 3rd * 12 Noon

Receipts for the week totaled 1,652 cattle and 50 hogs.

STEERS					
2 blk	Smolan	323@400.00	1 blk	Durham	1465@121.00
1 blk	Salina	435@340.00	1 char	Tescott	1770@121.00
3 blk	Clafin	438@336.00	BULLS		
7 blk	Salina	924@220.00	1 blk	Assaria	1980@141.00
HEIFERS			1 blk	Assaria	2005@138.00
1 char	Gypsum	290@340.00	1 blk	Bennington	1920@138.00
2 blk	Smolan	373@330.00	1 blk	Miltonvale	2090@138.00
2 blk	Smolan	423@330.00	1 blk	Marion	2135@138.00
1 blk	Clafin	370@305.00	1 blk	Miltonvale	1945@136.00
4 blk	Salina	468@280.00	1 blk	Tescott	2040@135.00
2 blk	Clafin	435@280.00	HOGS		
2 blk	Clafin	503@259.00	21 mix	Manchester	256@57.00
2 blk	Gypsum	515@256.00	3 mix	Burdick	295@55.50
2 blk	Gypsum	710@228.00	2 mix	Burdick	378@55.50
7 blk	Randolph	861@221.00	SPECIAL MONDAY COW SALE		
4 blk	Randolph	831@218.00	SPRING COWS		
7 mix	Salina	994@207.00	Age		
CALVES			66 red	3-5 yrs	\$3,175.00
1 blk	Glen Elder	290@900.00	20 blk	3-5 yrs	\$3,125.00
1 blk	Glen Elder	195@825.00	20 blk	3-5 yrs	\$3,110.00
1 blk	Glen Elder	185@825.00	60 blk	3-5 yrs	\$3,110.00
1 blk	Glen Elder	205@825.00	28 red	3-5 yrs	\$3,100.00
COWS			19 red	3-5 yrs	\$3,075.00
1 blk	Smolan	1170@127.00	14 blk	3-5 yrs	\$3,075.00
1 blk	Ellsworth	1255@126.00	6 blk	3-5 yrs	\$3,075.00
1 blk	Durham	1690@125.00	10 blk	3-5 yrs	\$3,060.00
1 blk	Ellsworth	1390@125.00	30 blk	3-5 yrs	\$3,050.00
2 blk	Barnard	1335@125.00	60 blk	3-5 yrs	\$3,050.00
2 bwf	Canton	1348@124.00	30 blk	3-5 yrs	\$3,035.00
1 blk	Barnard	1500@124.00	18 blk	3-5 yrs	\$3,025.00
1 bwf	Abilene	2010@124.00	33 blk	3-5 yrs	\$2,950.00
3 blk	Hope	1537@122.00	17 bwf	3-5 yrs	\$2,925.00

IN STOCK TODAY

- Tripp Hopper Feeders
- Heavy Duty Round Bale Feeders

EARLY CONSIGNMENTS FOR
THURSDAY, DECEMBER 4TH:

400 blk str & hfrs, 400-650 lbs.; 66 str & hfrs, 600-750 lbs.; 2 rnd vacc.; 76 str, 850 lbs.; 165 str, 785 lbs.; 40 str & hfrs, 500-650 lbs.; 62 blk str & hfrs, 850 lbs.; 125 mostly blk str, 900 lbs.; 60 str, 900 lbs.; 55 mostly blk str, 900 lbs.; 80 blk/red str & hfrs, 500-650 lbs., fall vacc.; 14 str, 700 lbs.

PLUS MANY MORE BY SALE TIME!

Livestock Commission Co., Inc.
Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

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

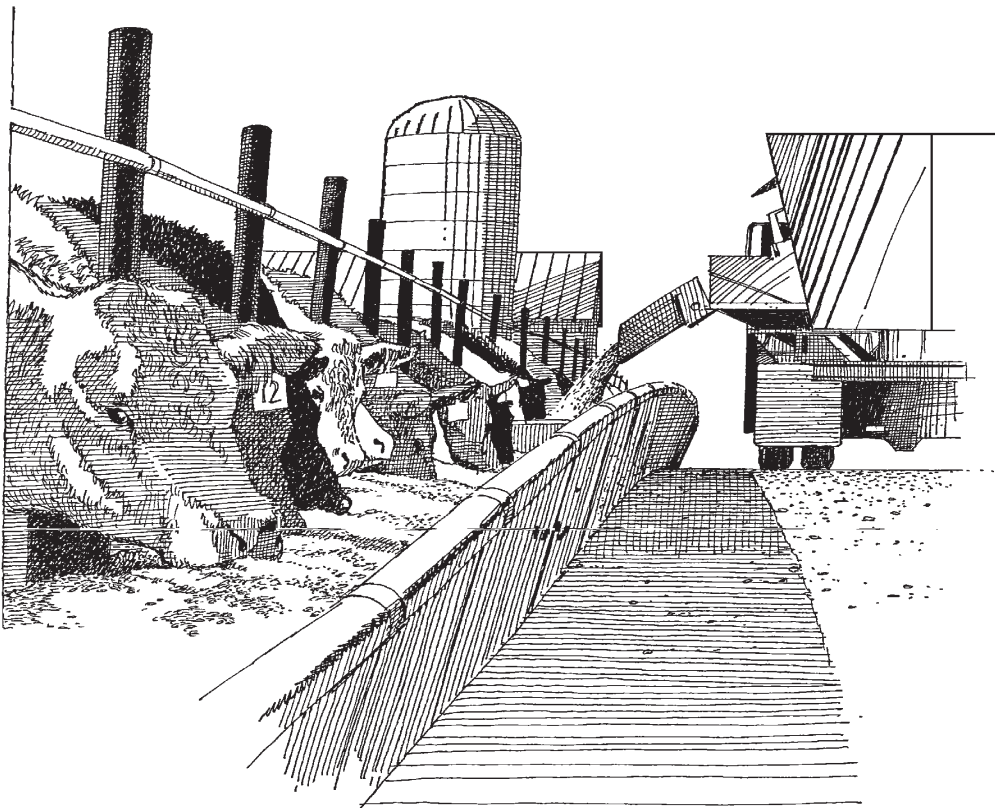
THURSDAY — CATTLE ONLY

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

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TUESDAY, DECEMBER 16TH:

BRED HEIFERS: 20 blk hfrs, bred to Nelson Angus; 85 blk hfrs, OCHV'd, SD origin, bred to LBW Ohlde Angus bulls, pelvic examined, Jan 25th for 60 days; 40 blk/bwf hfrs, OCHV'd, pelvic measured, home raised, AI bred, start Feb. 1st for 45 days, clean up Green Garden Angus; 60 blk/bwf hfrs, OCHV'd, AI bred, start Feb. 1st for 45 days, clean up Green Garden Angus; 50 fancy blk hfrs, bred Angus, start Feb. 7th; 55 blk hfrs, OCHV'd, Montana origin, bred to LBW Angus, start Jan. 25th for 55 days; 40 blk/bwf hfrs, no origin or home raised, bred blk; 20 blk hfrs, OCHV'd, home raised, bred LBW Don Johnson Angus bulls, start Feb. 1st; 70 blk Angus hfrs, NE origin, start Feb. 21st for 60 days; 70 blk/bwf AI bred hfrs; 30 red Angus AI bred hfrs; 20 blk Angus hfrs; 25 blk hfrs, bred to registered blk Angus, start Feb. 25th; 45 blk hfrs, OCHV'd, bred to LBW Angus bulls; 98 blk hfrs, bred blk; 85 blk hfrs, AI bred to Power Tool and Data Manager, cleaned up with LBW Angus, 60 day calving period.

COWS: 50 blk cows, 3 yrs, spring bred to sons of Steel Fame blk simm; 50 blk cows, 3-6 yrs, bred Angus; 80 blk cows, 7-10 yrs, bred Angus, start end Dec.; 12 blk cows, 3-5 yrs, bred Winney Angus Feb. calvers; 55 blk/red cows, 3-5 yrs, bred Angus Jan.-Feb. calvers; 55 mix cows, bred blk & char Feb. calvers; 40 blk cows, running age, bred blk; 30 running age spring bred cows; 80 mostly blk/bwf cows, 3-9 yrs, bred Winney Angus; 20) 3 yr old blk pairs, Green Garden calves; 15 running age cows, bred Angus, start Jan. 15; 65 blk cows, 6-10 yrs, bred Angus; 11/3 blk cows 3 running age, bred Angus or char.

PLUS MORE BY SALE TIME.

For Information or estimates, contact:

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

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

Jim Crowther
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Roxbury, KS

Lisa Long
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November ag prices mixed

The preliminary November price received by farmers for winter wheat averaged \$5.61 per bushel, an increase of 4 cents from the October price according to the USDA's National Agricultural Statistics Service.

The preliminary November corn price, at \$3.71 per bushel, is unchanged from last month.

The preliminary November sorghum price averaged \$6.51 per cwt, an increase of 48 cents from October.

The preliminary November soybean price, at \$9.70 per bushel, is up 20 cents from last month.

The November alfalfa hay price, at \$157 per ton, is down \$13 from October. The other hay price, at \$99 per ton, is up \$1 from last month.

The preliminary November sunflower price is withheld to avoid disclosing data for individual operations.

Pig barns prep for more than frigid temperatures this winter

Last year as Jack Frost nipped across the United States, the swine industry saw an immense spike in Porcine Epidemic Diarrhea virus (PEDv) cases. With the absence of summer heat and dry conditions to keep the virus at bay, the disease spread through barns across 31 states. Now with a renewed focus on biosecurity measures and nutritional management, the industry hopes to reverse this costly trend and avoid another surge in PEDv infections.

“As an industry, our focus needs to be on making sure our animals are prepared for anything that may come their way this season,” said Russell Gilliam, U.S. swine business manager for Alltech. “However, the winter does bring some additional challenges that producers need to be aware of in order to protect their pigs.”

While there are many facets of pig production that need to be set up and continually monitored to prop-

erly shield pigs from exposure to viruses and diseases this winter, Gilliam recommends swine producers concentrate on these five production areas:

Herd flow – With potential risks for re-infection or spreading of the virus, it is essential to make sure there are proper check points for identifying infected animals and separating them from the rest of the herd. For example, conduct proper observance of the quarantine of replacement breeding stock with test and release procedures.

Cleanliness – Severe cold temperatures make it extremely difficult to wash, clean and disinfect. Ensure all areas are completely clean and dry before exposing them to new pigs.

Transportation – Animals coming in and going out are at risk for exposure by the transportation vehicles the operation is using. Guarantee their rides are completely clean and are from trusted sources that

understand your biosecurity protocols.

Employees – Examine foot traffic and implement proper biosecurity measures for employees to reduce risk as employees can often work in different barns and, in some cases, for different producers. Reduce/restrict points of entry to breeding facilities.

Nutrition – Animal performance is often dependent on feed quality and the performance of the feed itself. Include technologies in the feed that reduce the risk of pathogens and build immunity.

“Understanding the risk posed this winter is only part of the battle. The industry is more prepared than we were, but we can’t get complacent,” Gilliam said. “We need to keep improving methods for protecting our animals.”

For more information on how to prepare barns this winter, contact your local Alltech representative or visit Alltech.com.

Arm your silage with inoculants

Production of quality silage involves winning a war fought on a microscopic level between “armies” of microbes. Inoculants help reinforce the beneficial bacteria in this fight. These products are often lactic acid bacteria (LAB) that provide an efficient front-end fermentation to maintain feed quality and stability. There are many different LAB inoculants to choose from, and growers should select a product that fits:

1. The crop being ensiled,
2. Local conditions,
3. Farm practices and
4. Silage history.

“As a general rule of thumb, you can’t go wrong with an inoculant that drops the pH of the forage as quickly as possible, i.e., making a good fermentation better” says Renato Schmidt, Ph.D., Technical Services, Lallemand Animal Nutrition. “A rapid pH drop will help maximize dry matter and nutrient retention, plus it will minimize the risk of spoilage.”

To achieve a rapid pH drop, Dr. Schmidt recommends looking for homolactic LAB strains such as *Pediococcus pentosaceus*, *P. acidilactici* and *Lactobacillus plantarum* that are proven to convert sugars efficiently to lactic acid.

Next, it’s important to ensure the LAB are not limited for their own food supply, Dr. Schmidt recommends. A good inoculant will contain enzymes to help feed bacteria. Also, using the right number of colony-forming units (CFUs) per gram of forage will ensure there are sufficient amounts of “good” microbes that can help growers win

the fermentation battle. Look for an application rate of 100,000 CFUs or greater for front-end fermentation inoculants. This is the minimum level, as recognized by university researchers, and is based on using strains proven to dominate the fermentation when used at this level, Dr. Schmidt adds.

Third, it’s important to consider the specific crop to be fermented and the harvest conditions. For example, ensiling wet hay crops can easily lead to growth of clostridia and a butyric fermentation. Choosing an inoculant proven to inhibit these types of undesirable fermentations can keep the resulting forage safe to feed.

“In addition, a farm’s specific silage challenges can help determine the best inoculant choice,” Dr. Schmidt says. “High-moisture corn or slow feedout rates may suggest an inoculant proven to increase aerobic stability is required to prevent spoilage yeasts.”

For example, L. buchneri 40788 is the only bacteria reviewed by the FDA and allowed to claim improved aerobic stability. Products combining L. buchneri combined with homolactic bacteria can help control the initial ensiling fermentation and keep the feed stable through feeding.


“A forage inoculant is a small investment that can help save many tons of dry matter and improve safety and hygienic quality of the resulting silage,” Dr. Schmidt says. “Starting with quality forage and using good management practices — combined with a proven inoculant — can contribute significantly to productivity and profitability.”



The Gelbvieh champion intermediate heifer calf at the American Royal Gelbvieh and Balancer Show was BARG Dixie 313A, owned by Van Tucker, Portis; Sire: X-Factor 673X ET.



The Balancer champion senior bull calf at the American Royal Gelbvieh and Balancer Show was AHL Forever Ladies Man, owned by Triple K Gelbvieh, Bonner Springs; Sire: Kesslers Frontman R001.



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Apply to attend the Young Cattlemen’s Conference

For the 14th year, the Angus Foundation will sponsor one individual to attend the National Cattlemen’s Beef Association (NCBA) Young Cattlemen’s Conference (YCC). The application deadline is Jan. 10, 2015, and the application can be found on the Angus Foundation website.

YCC offers young leaders the chance to see first-hand and better understand all aspects of the beef industry. Attendees participate in a nationwide tour of the beef production chain from the ranch to the feedlot and to the packing plant, through marketing and regulatory affairs, and finally ending at consumer foodservice.

“Our sponsorship of one individual each year enables the Angus breed to have a representative who can then share the information they learned with their fellow Angus breeders,” says Milford Jenkins, Angus Foundation president. “This is a positive educational experience for those who attend, and we are glad we have the ability to sponsor a Angus breeder each year.”

The Angus Foundation’s sponsorship covers travel costs and registration fees. The applicant must be between 25 to 50-years-old and must also be a member of the NCBA. Julie Ellingson, a fourth-generation Angus breeder from St. Anthony, N.D., represented the Angus Foundation during the 2014 YCC and encourages cattlemen to take hold of the opportunity to attend.

“YCC is an excellent opportunity to network with other young industry professionals while learning about the opportunities and challenges that beef producers across the country face daily,” Ellingson said.

For more information on YCC, the Angus Foundation or a list of previous Angus YCC participants, visit www.angusfoundation.org.

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• 70 red Angus-x steers & heifers, 450-600 lbs., homeraised	• 120 mix steers, 850 lbs.
• 24 mix steers and heifers, 500-600 lbs., homeraised	• 62 black steers, 825-850 lbs.
	• 60 mix steers, 850-875 lbs.

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2014 APHA World Championship Show generates more entries, big money & top competition

The American Paint Horse Association recently celebrated the successful conclusion of its annual APHA World Championship Show, which took place November 5-15 in Fort Worth, Texas. The 50th anniversary of the world's premier Paint Horse show featured a number of landmark events and new classes, and numbers were up across the board.

Nearly 1,000 Paint Horses gathered at the Will Rogers Memorial Center to compete in 265 classes during the 11-day World Show, which featured 180 world championship classes along with other added-money, futurity and other special

events. Owners & exhibitors represented 42 U.S. states plus Canada, Australia, Mexico, Poland and Paraguay.

The show boasted nearly 2,800 entries, competing for more than \$500,000 in cash and prizes. Total entries were up more than 8 percent and total horses increased by 4.8 percent, when compared to 2013 numbers. A total of 306 unique horses and 276 unique exhibitors were named champions or reserve champions at this year's World Show.

"This year's World Show was something special – not only did we see an increase

in horses and entries, but we also were able to showcase some new exciting events and experienced a renewed energy and enthusiasm at the show from all that participated," APHA Senior Director of Shows Holly Slaughter said. "It was an exciting time for us and we plan to continue to build on this for years to come."

New for 2014

This year's APHA World Show featured a number of new classes, which were well-received across the board.

Six Amateur Walk-Trot classes made their debut at the 2014 show; designed for non-professional exhibitors who are new to competing as well as horses or exhibitors facing personal limitations that might prohibit loping, this new division has been a hit, and the World Show was no exception. Amateur Solid Paint-Bred classes were expanded as well; six new classes for non-professionals exhibiting solid-colored Paint Horses were added based on participation numbers in Open classes.

The popular Paint Barrel Racing Incentive Program returned to the show as well, paying out nearly \$15,000. This year, PBRIP futurities gave 4- and 5-year-old speedsters a chance to earn additional cash, too. APHA Corporate Partner Farnam generously sponsored a \$3,000 fastest-time bonus in the PBRIP Sweepstakes and a \$1,000 fastest

time bonus in the PBRIP futurities. Big winners included Cortney Morris, who took home more than \$5,000 for wins in both the PBRIP Regular Registry and Solid Paint-Bred Sweepstakes classes aboard Streakin Lineage and Classy Freckled Lady.

One of the most popular additions was a slate of ranch horse-focused events: Amateur and Open Ranch Horse Pleasure and a Ranch Horse Trail Sweepstakes class. APHA and Farnam added \$1,750 to the Open and Amateur Ranch Horse Pleasure classes, and APHA added \$1,000 to the Ranch Horse Trail Sweepstakes. Nonie Casselman-Reed won both Ranch Horse Pleasure classes aboard Zeena Lena, her 2009 bay overo mare.

The \$50,000+ Farnam

The popular Farnam Pleasure Stakes classes returned to the World Show with a twist; in addition to the 2-year-old Western pleasure and hunter under saddle stakes classes, the schedule also included new classes in each event for eligible 3- and 4-year-old horses and their non-pro exhibitors.

Mike Hachtel and A Jellybean Impulse were the

picture of consistency November 8, and that helped them take home a paycheck worth nearly \$11,500 in the Farnam 2-Year-Old Western Pleasure Stakes. The 2012 chestnut overo gelding by A Scenic Impulse and out of Sensational Lollipop was bred and is owned by Debi and Loren East of Bountiful, Utah. Overall, the 16-horse class featured a purse worth more than \$35,000.

In the inaugural Farnam Non-Pro 3- & 4-Year-Old Western Pleasure Stakes, Carlee McDuffie of Morganton, North Carolina, piloted Get The Sensation to the win and a \$6,125 payday. The new non-pro class paid out more than \$13,600.

The Farnam 2-Year-Old Hunter Under Saddle Stakes and inaugural 3- and 4-Year-Old Hunter Under Saddle Stakes took place November 7. All Ways A Diva and Katy Jo Zuidema took home more than \$6,300 for their win in the Farnam 2-Year-Old Hunter Under Saddle Stakes, which paid out more than \$14,000. The 2012 bay overo mare is by All Time Fancy and out of Future Diva, and was bred and is owned by James Jorgensen.

Classy Invitation, a 2011

sorrel overo mare by Ultimate Charisma and out of Pretty Invitation, won the inaugural Non-Pro 3- and 4-Year-Old Hunter Under Saddle Stakes with Beth Yoak of Grove City, Ohio. They took home \$1,550.

A Super Sale

Another highly anticipated World Show tradition, the Farnam Breeders' Trust Select Sale didn't disappoint. Forty-four Paints went through the West Sale Arena on November 9; most were part of the Farnam Yearling Stakes Session, which makes the horses eligible for the Farnam Pleasure Stakes events as 2-, 3- and 4-year-olds.

High-selling horse A Scenic Ride, a 2013 sorrel overo stallion by A Scenic Impulse and out of A Sensational Zippo, brought a bid of \$67,000—the sale's second-highest topper of all time. Consigned by breeders Stanley and Susan Scott of Ocala, Florida, the yearling was purchased by Michele Martindale, who hopes to bring the colt back with trainer Richard Spinks for next year's competition.

Roping a Win

APHA once again partnered with the United States Team Roping Championships to offer the Cowtown ShootOut, a premier all-breed roping event with special Paint incentives, on the final weekend of the World Show. Drawing an estimated 1,100 teams, ropers aboard registered Paint Horses also vied for \$5,000 in bonus payouts.

Caleb Butler of Decatur, Texas, won the 5 & under category aboard Dashin Okie, his 2001 brown tobiano gelding. Cole Davison of Hico, Texas, was the winning owner in the 6 & up roping; his 1999 sorrel tobiano stallion Hickory Doc Flyer was the highest-placing Paint in that category with roper Thomas Zuniga.

Top of the Class

Eight all-around and high-point awards were presented at the 2014 APHA World Show, and the race for the premier title—the All-Around Horse award—came down to the show's final class. Rolex Bar Twister, a 2005 bay tobiano stallion owned and bred by Ronald and Marie Kettle of Craig, Colorado, once again turned in dominant performances in a number of events and secured his second-consecutive All-Around Horse title.

For his win, Rolex Bar Twister was awarded one year's use of a three-horse Hart Trailer, \$1,000 cash and a number of other awards. Other big winners included Gay Bar Lucky Jac (High-Point Western Horse and Oscar Crigler Cattle Award), All Rise (High-Point English Horse), MJ Watch Yer Six (Super Gelding), Jack Wright (High-Point Exhibitor), Ashley Wildes (All-Around Classic Amateur), Coleen Bull (All-Around Masters Amateur) and Emma Stubblefield (All-Around Novice Amateur).

More information about the 2014 APHA World Championship Show and its winners can be found at oawcs.apha.com.

Extension beef producer meeting scheduled for December 8th in Abilene

Cattle producers will have an opportunity to hear the latest in health and nutrition for both starting feeder calves and preparing the cow herd for winter calving on Monday, December 8th, at Sterl Hall in Abilene.

Featured speakers will include Gregg Hanzlicek, DVM, from the K-State Veterinary Diagnostic Laboratory and Dr. Dale Blasi, K-State beef specialist. Special emphasis will be placed on high-risk feeder calves as well as calving season considerations.

A highlight of the evening will be a moderated producer panel in which long-time cattle feeders will share their experiences starting calves. Each member of the panel has a different type of operation and will bring a unique perspective to the discussion. This will be an excellent opportunity to hear ideas and ask questions.

Registration will begin at 6:00 p.m. followed by a brisket dinner at 6:30 p.m. sponsored by Pinnacle Bank in Abilene. Presentations will begin promptly at 7:00 p.m. Cost to attend is \$5/person. Please RSVP to the Dickinson County Extension Office at 785-263-2001, or LLMarks@ksu.edu by Friday, December 5th.

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Balancer Reserve Junior Bull Calf at the American Royal Gelbvieh and Balancer Show was AHL Paradise 430B, owned by LeDoux Ranch, Agenda; Sire: AHL Redemption 237Z.



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Replacement Type Heifers:

110 rd Angus, NI B.V., Cross Diamond sired, not topped, 500-650 lbs.Stump Cattle Co. #4
110 rd Angus (30 rwf F-1) B.V., not topped, some AI sired, 475-575 lbs.	.....Flying D (DeNaeyer) #4
90 blk, NI, Angus sired, 500-550 lbs.	.....Doughboy LLC #4
170 blk & Angus, NI, sired by R & D Angus, 450-525 lbs.	.....Bob Carr & Sons #4
100 blk, B.V., not topped, 550-575 lbs.	.....Aaron Galloway #4
40 Angus & blk B.V., Risse & Nichols, 600-650 lbs.	.....Kevin & Diane Vandermeij #4
37 blk, NI, B.V., not topped, 625-650 lbs.	.....Duane & Mark Sedlacek #4
20 Angus, top end kind, 630 lbs.	.....Warren Dorsey

Weaned Calves:

310 Hereford & bwf (210s-100h) NI, 450-625 lbs.	.....Wolfenden Herefords #4
165 rd Angus str, NI, Cross Diamond sired, 500-650 lbs.	.....Stump Cattle Co. #4
130 rd, rd-x (70s-60h) NI, 475-600 lbs.	.....47 Ranch Co.
160 Angus str, Baldridge genetics, NHTC, 700 lbs.	.....Brush Creek Rn #4
120 Angus & blk str, NI, 1 ld @ 725 lbs., Risse & Nichols, 625-725 lbs.	.....Kevin & Diane Vandermeij #4
140 blk & Angus str, Risse Angus sired, 600-700 lbs.	.....Leo Goss #4
85 blk str, NI, 1 ld, Fancy, 625-650 lbs.	.....Larry, Danny & Craig O'Kief #4
170 blk, blk-x, few rd (100s-70h) NI, 400-600 lbs.	.....Kevin, Clete & Cort Scheer #3
119 blk, few bwf (74s-45h), 550-625 lbs.	.....Hughes & Naprstek
100 blk, few bwf str, NI, 500-625 lbs.	.....John & Cort Hamilton #4
90 blk str, NI, 500-625 lbs.	.....Steve Brucklander #4
80 blk, few bwf str, 500-625 lbs.	.....Bar 11 Ranch Co. #4
45 char-x & blk str, NI, 625-650 lbs.	.....Rocking Arrow & Churchill #4
62 blk, NI, Baldridge genetics, NHTC, 550-650 lbs.	.....Morrison, Morrison & Clark #4
60 blk, few rd (30s-30h) NI on hfrs, 450-600 lbs.	.....Pearson L/C #4
60 blk, NI, 550-600 lbs.	.....Don Grunhaupt #4
60 blk, few bwf, 600-725 lbs.	.....Justin Hammond #3
25 blk, bwf, few rd (11s-14h), 425-525 lbs.	.....Justin & Terri Albert #4
27 blk, bwf NI, 300-350 lbs.	.....Swensen Ranch

Unweaned Calves:

110 blk, few rd str, NI, 550-600 lbs.	.....Duane Tate #4
70 char-x, 500-625 lbs.Richard & Becky Schunk #2

Yearlings:

320 blk & char-x (88 hd) str, NI in 2014, 900-1050 lbs.Leland Paulty
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Schwieterman Market Outlook

A marketing commentary by Bret Crotts

Despite lackluster export sales and a strong dollar, the wheat market was the big winner of Thanksgiving week. There really isn't much bullish information out there right now other than the crop condition ratings did decline and the outlook for moisture in the HRW Belt is still poor. Other than that we have the fact that the Paris Milling wheat has been trending higher since mid-September, which allows U.S.

wheat to move higher without being in any worse position in the world market.

The result of all this has been multi-month highs in US wheat futures and a new upside target for the Kansas City wheat contract up around the \$6.50 area. One cannot deny that the charts look friendly, so if you feel the need to be a seller, be patient and wait for a good technical signal.

Both the corn and soybeans look like they are trying

to form a head and shoulders top on the chart, but it seems that there is still a lot of buying interest and nervousness in the market. It certainly helps the bullish case when demand is strong for the corn and soybeans, not to mention the grain sorghum, which the Chinese are buying up very rapidly. However, the charts look negative and the sell off on Friday, especially in the soybeans make a top look likely. A top at this

juncture would suggest a move back to the harvest lows in both the corn and soybeans. Continued strong demand may change that outlook, but right now the charts suggest weakness.

It seems like there is often pressure in the cattle market as we head into option expiration and first notice day for the December live cattle contract and this year seems to be working out that way. The fundamentals still look very promising for yet another round of new highs in the cattle at some point, but in the short run it appears that the market has lost momentum and is going to see a setback. It seems very likely that before we get another leg higher underway we will let the December options expire so all those call op-

tions at \$170 or higher will expire worthless.

Look for the February live cattle contract to pull back to the \$165-\$166 level in the near future, at which point the market is probably a buy again. The January feeder cattle are currently consolidating around the 50-day moving average, which may be enough pressure for the time being. The market is at a hefty discount to the feeder index, so there may not be much incentive to sell the feeders, especially if the corn drops off.

Schwieterman Marketing, L.L.C. specializes in risk management and cash grain and livestock marketing plans. For information on the markets or our marketing service you can contact Bret Crotts at 888-437-9131 or bret@swbell.net.

The information contained herein is based on data obtained from recognized statistical services and other sources believed to be reliable. However, we have not verified such information and we do not make any representations as to the accuracy or completeness. Past results are not necessarily indicative of future results. All statements contained herein are current opinions, which are subject to change. The risk of loss in trading commodity future contracts is substantial. You should therefore carefully consider whether such trading is suitable for you in light of your financial condition. Neither the information, nor any opinion expressed shall be construed as an offer to buy or sell any futures or options on futures contracts.

Cattle handling & livestock facilities topic of Dec. 16 workshop

By Anthony N. Ruiz, Central Kansas District Livestock Production Agent

Have you ever tried to out-think a cow? I freely admit I've tried that several times. What I won't admit is how many times a bovine has out-thunk me. Add the facts that cattle can outrun and overpower you and bovine make formidable foes.

Instead of working against cattle what about working with them? I like my coffee black, prefer group settings, and drive defensively. Cattle, like me, have preferences. Part of this comes from being herd animals and part is because they are prey animals. As a species in general cattle have unique behavior patterns producers can identify and manage accordingly. This leads to working with cattle instead of against them.

My first memory of working against cattle is at my grandpa's farm. Grandpa had a working "set-up" with 90 degree angles and lots of iffy equipment. By iffy I mean, "If he doesn't throw too much of a fit it should hold together." Man, those were the days. All livestock producers now have state of the art facilities where cattle naturally flow into and through. Right?

Central Kansas Extension District is hosting a Cattle Handling and Livestock Facilities Workshop in Minneapolis Tuesday, December 16 from 2 p.m. until 5 p.m. in the Ottawa County Courthouse basement. If you are a livestock producer interested in working with cattle instead of against them or looking for beneficial advice, tips, and designs for new or existing handling facilities this workshop is just for you.

Dr. Lindsey Hulbert, K-State Animal Sciences and Industry professor, will begin the workshop discussing cattle handling tips and techniques. Dr. Hulbert has a wide array of experience in animal behavior and handling. Pat Murphy will present corral and facility design advice from his years of working with producers through research and Extension in the Biological and Agricultural Engineering Department. Both will provide insight and expertise into enhancing your livestock handling skills and facilities.

When I'm out in the country talking farms and ranches three problems routinely face our producers: they are nearing retirement age, uncertainty of who will take over their operation, and they struggle to find good help. USDA 2012 Agricultural Census data tells us the average U.S. producer is

58.3 years old. At what age does operating a manual squeeze chute become unentertaining? When does pre-checking 100 head of cows become laborious? Only you can answer these questions. The numbers show us the average producer is getting older. Better techniques and facilities can make cattle handling tasks easier, quicker, and safer for you.

I'm a millennial. My generation loves technology and making things easier. Tradition and nostalgia don't rank high on our priorities list. I've had the privilege of meeting cattlemen and women across this country. One question they never seem to have a solid answer for is, "Who will take over your operation?" Large producers down to the weekend warriors struggle for an answer. The kids got jobs in town and neighbors have the same prob-

lem. My generation does not warmly remember the long hours, yelling, and jammed fingers of yesteryear's roundups. If we are to attract the next generation, we may need to add some "curb appeal." Better techniques and facilities can make cattle handling tasks easier, quicker, and safer for you.

Once I heard a football coach lamenting over increased weight training requirements. He believed the football players needed more time in the gym because they didn't spend all summer hauling hay as they had a decade or two ago. That technology my generation so dearly loves has given us bigger round bales and larger, more efficient equipment. Skid steers now scoop and haul the grain in thirty minutes that it would have taken two teenagers an entire day to transport. Jobs in town now pay just as good

and usually have air conditioning. We see fewer and fewer folks willing to sweat it out in the summer or numb it out in the winter. It's hard to find good help. When help is limited we can turn to those bigger machines and better equipment to compensate. Whether hauling hay or vaccinating calves, embracing technology can benefit your operation. Better techniques and facilities can make cattle handling tasks easier, quicker, and safer for you.

On December 16 from 2 p.m. to 5 p.m. in the Ottawa County Courthouse basement in Minneapolis, Kansas livestock producers are invited to learn from the best how to handle cattle more effectively and enhance their facilities. The registration is only \$15 per person due in our office by

Tuesday, December 9. We will serve refreshments and a light snack. As part of your registration you will be given a booklet of useful designs, articles, and illustrations for concepts and structures discussed during the presentations. For questions or more information

please feel free to call or email Anthony N. Ruiz at 785-392-2147 or anruiz@ksu.edu. We are excited to bring this workshop to you. Remember, better techniques and facilities can make cattle handling tasks easier, quicker, and safer for you.



Balancer reserve senior bull calf at the American Royal Gelbvieh and Balancer Show was KKKG Triple K Alan, owned by Triple K Gelbvieh, Bonner Springs; Sire: CIRS 12LW ET.

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'62 JD 4010 LP • '71 JD 4000 • '72 JD 4000

'64 JD 4020 LP • (2) '68 JD 4020 • '69 JD 4020

'72 JD 4020 • '72 JD 4320 • '67 JD 5020 • '68 JD 5020



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For information on the cattle offering
Contact Gordon Stucky, Sale Chairman
620-532-4122

Kansas Hay Market Report

Temperatures have returned to more seasonable, light rain fell over most of the eastern half of Kansas, the heaviest amounts were farthest east. Hay trade slow to moderate. Demand moderate for dairy alfalfa and alfalfa pellets, light to moderate for grinding alfalfa and grass hay. Fall harvest and baling activities are wrapping up. NASS latest figures show the national alfalfa production up 12 percent from 2013 with the biggest increase in the plains and western states. If you have hay for sale or pasture to rent or need hay or grazing, use the services of the Hay and Pasture Exchange: www.kfb.org/commodities/haypasture/index.html

Southwest Kansas
 Dairy and grinding alfalfa steady. Movement moderate for ground alfalfa, active for dairy alfalfa. Alfalfa, Horse, large squares 250.00, small squares 300.00, Clippings 320.00, some 8.00-11.00/bale. Dairy, Supreme 220.00-250.00; Premium 200.00-230.00; Dry Cow, Good 165.00-170.00, a little 150.00 shipped in. Fair-Good grinding alfalfa, at the edge of the



John Keller, left, St. Francis, was named the 2014 “Contributor Award” recipient at the 24th annual Fink Beef Genetics Bull Sale in Randolph, held on October 29, 2014. Megan Fink presented the award to John prior to the start of the sale. John’s encouragement to add the Charolais as a second breed in 1999 was the deciding factor for this award. This year, 195 head of Angus fall yearling bulls and 141 head of Charolais fall yearling bulls were sold into 17 states.

Photo by Kim Hoffman

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Beatrice Livestock Sales

SPECIAL BRED COW & HEIFER SALE

THURSDAY, DEC. 11, 2014

11:00 AM SHARP

55 Red Ang 1st Calf Hfr, Bred Connealy Reflection & Emblazon Blk Angus, Scour Gaurd, Vacc, Calve Mar 1, Broken Chain Ranch, Montana Origin Heifers
30 Blk Ang 1st Calf Bred Hfr, Bred Connealy Thunder & Styles Upgrade Sons Blk Ang, Calve Jan 1, Scour Guard
10 Blk Ang 1st Calf Bred Hfr, Bred Blk Ang LBW, OCV, Calve Feb 1
46 Blk Ang 1st Calf Bred Hfr, Bred A I Blk Ang - ABS Frontman Son, Calve Feb 23, OCV, Scour Gaurd & Poured
8 Reg Blk Ang 1st Calf Hfr, Al Bred Connealy Counselor, Rito 9Q13 of Rita, Data Manager & VAR Discovery, Calve Feb 12
5 Blk Ang 1st Calf Hfr, Al Bred Mohnen Long Distance, Vacc, Preg Gaurd 10 & Poured, Calve Feb 17
28 Blk Ang 1st Calf Hfr, Al Bred ABS Brilliance, Synchronized for Jan 19, OCV, Scour Gaurd, Blk Leg, Poured
9 Blk Ang 1st Calf Hfr, Bred LHT Simm Ang, Bismark Son, Calve Jan 8, Scour Gaurd
55 Bwf 1st Calf Hfr, Bred Mercedes Benz Son (1/4 Maine - 3/4 Ang & Doc Blk Ang, 68# BW, Vacc-Poured-Scour Gaurd, Calve Jan 12
22 Blk 1st Calf Hfr, Al Bred 4-KC Blk Ang, 64# BW, Scour Guard, Poured, Calve Jan 20
7 F-1 Herf Ang 1st Calf Hfr, Bred Red Ang, 68# BW, Scour Guard
12 Blk-Red Simm Ang 1st Calf Hfr, Bred LHT Simm Ang Bismark Son, Calve Jan 8, Scour Guard
10 Blk-Bwf 1st Calf Hfr, Bred Connealy Onward Blk Ang, Calve Feb 10
70 Blk Ang 1st Calf Hfr, Nemaha Valley Ang Sired Hfr, Al Bred ABS Absolute Blk Ang (+14 CE), Synchronized to Calve Feb 14, 60-Day Calving Period, Blk Ang Clean up, Scour Guard
15 Blk Ang 1st Calf Hfr, Al Bred ABS Insure Blk Ang, Synchronized to Calve Feb 1, Pelvic, Scour Gaurd, Poured
3 Blk Ang Families, 4 Yr Old, 6-Week Old Blk Ang Calves
25 Blk-Bwf Bred Cows, 3 Yr Old, Bred Simm Ang Steel Force or Irish Whisky Blk Ang, Calve Jan 25
35 Blk Ang Bred Cows, 4 Yr Old, Bred Connealy Blk Ang, EID Tag, Scour Boss 9, Poured, Calve Feb 26
45 Blk & Red Bred Cows, 3-6 yr old, bred 3/4 Simm-1/4 Blk Ang, calve Jan 15
30 Blk Families, 1st Calf to Solid Mouth, Started Calving Sept 1
10 Blk Bred Cows, Solid Mouth, Bred Blk Simm Ang, Calve Jan 15
10 Blk Simm Ang Bred Cows, 4-7 yr old, bred Simm, 77# BW, calve Feb 1

SEE UPDATED CONSIGNMENTS AT WWW.BEATRICE77.NET

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field or delivered in 100.00-120.00. Ground and delivered locally to feedlots and dairies, 140.00-180.00. The week of 11/17-22, 8,386T of grinding alfalfa and 2,955T of dairy alfalfa were delivered. Straw, Good, large bales 60.00-75.00, mostly 70.00 or 80.00-95.00 delivered. Corn stalks 50.00-60.00, ground and delivered 78.00-102.00. CRP, Good, large rounds 70.00, Fair 60.00-65.00. Cane or BMR Sudan, Good large bales 70.00-80.00.

South Central Kansas
 Dairy and grinding alfalfa and alfalfa pellets steady. Movement moderate. Alfalfa: Horse, large squares 245.00-270.00, small squares 280.00 or 9.00/bale Dairy, Supreme 230.00-250.00, Clippings to 270.00; Premium 205.00-230.00; Dry Cow, Good 145.00-170.00; Fair-Good grinding alfalfa at the edge of the field 100.00-120.00; Utility-Fair 90.00-100.00. Ground and delivered locally to feedlots, 145.00-180.00. The week of 11/17-22, 4,584T of grinding alfalfa and 1,400T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 190.00-210.00, 17 pct protein 200.00-225.00; Dehydrated 17 pct 274.00. Straw, Good, large bales 60.00-70.00. Cane or BMR Sudan, Good large bales 70.00-85.00, with hi-nitrates 60.00-70.00, Fair quality 60.00-65.00.

Southeast Kansas
 Alfalfa, prairie hay and brome steady. Movement slow to moderate. Alfalfa: Horse or Goat, mid squares 250.00; Dairy, Premium and Supreme 1.05/point RFV; Stock Cow, Good, 165.00. Bluestem: Good, small squares, 120.00-145.00, mid and large squares 90.00-110.00, mostly 90.00-100.00, large rounds 60.00-75.00, Fair 50.00-60.00; Brome: Good, Small squares 130.00-155.00, mid and large squares 115.00-135.00, large rounds 60.00-80.00. Grass Mulch CWF, large round 50.00-60.00. Straw, Good, large bales 60.00-70.00.

Northwest Kansas
 Grinding alfalfa steady. Movement slow to moderate. Alfalfa: Horse, Mid squares 250.00; Dairy, Supreme 250.00, Premium 200.00-220.00, Stock cow, Fair-Good, 1.00/point RFV.

EPA delays ethanol decision until 2015

(AP) — The Obama administration has said it is delaying a decision on whether to reduce the amount of ethanol in the nation’s fuel supply. Last year the Environmental Protection Agency

proposed to reduce the amount of ethanol in fuel for the first time, acknowledging that a biofuel law that both Republicans and Democrats had championed nearly a decade ago was not working as well as expect-

ed. Fair, Grinding alfalfa at the edge of the field 90.00-120.00. Ground and delivered to feedlots and dairies 145.00-180.00.

North Central-Northeast Kansas
 Dairy and grinding alfalfa and prairie hay and brome steady. Movement slow. Alfalfa: Horse, 300.00, some 8.00-9.00/small square bale; Dairy, Supreme 235.00-265.00; Premium, 210.00-235.00; Stock Cow, Fair-Good, 1.00/point RFV, Utility-Fair grinding alfalfa at the edge of the field, 90.00-120.00; Ground and delivered 145.00-170.00. Grass hay: Bluestem Good, small squares, 5.00-6.00/bale, 120.00-140.00, Mid squares 90.00-110.00, large rounds 50.00-70.00. Brome: Good, small squares, 6.00-7.00/bale, 130.00-150.00/T, Mid squares, 110.00-130.00, Good, large round, 25.00-50.00/bale, 60.00-80.00/T; CWF Grass mulch, large round 60.00-65.00. Straw, Good, small squares 4.00/bale or 4.50 delivered/bale; large bales 60.00-70.00/T. Sudan, Good large round 70.00-75.00, Fair 60.00-65.00.

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

www.ams.usda.gov/mnreports/DC_GR310.txt

www.ams.usda.gov/lpsmarketnewspage

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



The Gelbvieh reserve spring heifer calf at the American Royal Gelbvieh and Balancer Show was VTT Miss Bella. owned by Van Tucker, Portis; Sire: JRI Pop A Top 197T83.

AUCTION

SATURDAY, DECEMBER 13 — 9:32 AM

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See next week's Grass & Grain for Complete listings

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225+/- Ac Sumner Co KS Land

AUCTION: Thurs, Dec 18, 2pm

Raymond Frye, 320 N Jefferson, Wellington

TR 1: E/2 NW/4 Sec 13-T32S-R1E: 72+/- ac, all tillable
TR 2: E/2 SW/4 Sec 11-T32S-R1E - 78+/- ac tillable, 5+/- ac CRP
TR 3: S/2 SE/4 Sec 6-T32-R2E - 50+/- ac tillable, 23+/- ac pasture w/pond

Possn after 2015 wheat harvest; seller retains 2/3 mineral interest.

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Cameron Roth at 785.917.0867

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Tax planning important for high income year

By Keith Martin, Wildcat Extension District
Agriculture has always been an industry with cyclical income trends. This year, cattle producers are looking at historic high prices for their livestock. In addition some producers received unexpected drought relief payments. The combination of these factors leads to concern about the inevitable tax bill that follows.

There are usually two things that come to mind for the agricultural producers when looking to reduce taxable income. The first is to buy equipment and the second is to prepay expenses for next year.

In years of alternating high prices, prepaying expenses is a good way to even out income over the long term. However, if the expected high prices come through for several years, prepaying isn't as effective and simply pushes back dealing with the issue to the following year. In the first year of higher than expected returns, prepayment is relatively easy, however if returns stay high the following year, you may have to prepay what you did this year plus possibly additional expenses. Prepaying expenses is not a bad strategy, but it can't be the only strategy in periods of long term profitability. Also, if you prepay this year you most likely will need to maintain enough cash on hand to prepay next year as well.

Buying capital purchases to reduce taxable income is a longtime favorite strate-

gy by producers and equipment salesmen. Without Congressional action, the law stands that we will have a limit on Section 179 of \$25,000 (indexed for inflation) for 2014 and no bonus depreciation. That means that for capital purchases made in 2014, you can fully deduct the first \$25,000 you spend and the remainder will be subject to regular rates.

In a study of long-term profitability of cattle producers, those operations with the lowest depreciation expense, or lowest equipment expense per cow were the most profitable. So simply purchasing equipment just to reduce tax liability is not the best strategy for sustainable profitability. On the other hand if that equipment is needed and provides more benefits than cost over the long

term, by all means give that capital improvement serious consideration.

Income averaging allows cash basis taxpayers to carry income back to the three prior years and recalculate the tax in those years. It will be especially beneficial if your past three years have been years with lower profitability than this one. Income averaging does not affect self-employment taxes. That tax will be calculated on all the income reported in 2014 regardless of any carryback.

In many farming and ranching operations the labor of the family members goes unpaid. In periods of high income, you may consider paying wages. You must pay a reasonable wage for the work done. For example, you can't pay a two-year-old \$10,000 per year to help around the farm but

many kids do considerable work around the operation and can be compensated. This expense reduces your farm income and could be tax-free if their total income is under the standard deduction. This also gives the youth earned income that they could contribute to a Roth IRA. These funds can be used to pay for college expenses but are not looked at for Federal Financial Aid purposes.

Retirement plans offer a great way to reduce income today. You can use a traditional IRA that has lower limits or you can consider plans like a SEP plan that

allows a significant contribution in high income years. Either way, you can use them now to avoid high tax brackets and could convert them to Roth IRAs in years of low taxable income. Either way, putting money into a retirement plan locks the money up until you reach age 59 and a half (unless an exception applies) or you will face a 10 percent penalty plus tax on the withdrawal.

It is important that you manage your tax bill responsibly so that you are neither creating a nightmare down the road nor paying more taxes than you

need to. The balance of finding ways to have the lowest tax bill over the entire course of your business takes planning and the benefit of a quality tax professional that knows and understands agriculture. Consult your tax professional sooner, rather than later so that you can make the best choice for a sustainable business.

An excellent YouTube video which discusses this topic in more detail is available at http://bit.ly/Tax_Plan (Source: Tina Barrett, Executive Director of Nebraska Farm Business, Inc.)



The grand champion Balancer bull at the American Royal Gelbvieh and Balancer Show was 3G EZ Money 209Z, owned by Emily Griffiths, Kendallville, Indiana and Overmiller Gelbvieh, Smith Center. This bull first claimed the senior bull division and is the January 16, 2012 son of Duff Basic Instinct 6501.

Grass & Grain Weather Report

Seven Day Forecast

TUESDAY
Mostly Sunny
High: 41 Low: 25

WEDNESDAY
Partly Cloudy
High: 45 Low: 32

THURSDAY
Partly Cloudy
High: 49 Low: 35

FRIDAY
Partly Cloudy
High: 50 Low: 35

SATURDAY
Mostly Cloudy
High: 45 Low: 34

SUNDAY
Partly Cloudy
High: 48 Low: 32

MONDAY
Mostly Sunny
High: 46 Low: 28

In-Depth Local Forecast

Today we will see mostly sunny skies with a high of 41°, humidity of 56%. The record high for today is 74° set in 1960. Expect partly cloudy skies tonight with an overnight low of 25°. The record low for tonight is 7° set in 1993. Wednesday, skies will be partly cloudy with a high of 45°, humidity of 66%.

Last Week's Almanac

Date	Hi/Lo	Normals	Precip
11/20	42/13	52/28	0.00"
11/21	38/20	52/28	0.00"
11/22	62/38	51/28	0.00"
11/23	57/38	51/27	0.07"
11/24	46/27	50/27	0.00"
11/25	50/15	50/26	0.00"
11/26	46/20	49/26	0.00"

Rainfall last week: 0.07"
Normal rainfall: 0.44"
Departure from normal: -0.37"
Average temp last week: 36.6°
Average normal last week: 38.9°
Departure from normal: -2.3°

Today's Local Outlook

Washington 39/23

Blue Rapids 39/23

Seneca 39/23

Clay Center 40/24

Manhattan 41/25

Wamego 41/25

Ogden 42/25

Junction City 41/25

Abilene 42/25

Council Grove 42/26

This Week's Sun & Moon Chart

	Day	Sunrise	Sunset	Moonrise	Moonset
Full 12/6	Tuesday	7:28 a.m.	5:03 p.m.	2:44 p.m.	3:13 a.m.
	Wednesday	7:29 a.m.	5:03 p.m.	3:23 p.m.	4:19 a.m.
	Thursday	7:30 a.m.	5:03 p.m.	4:05 p.m.	5:23 a.m.
	Friday	7:31 a.m.	5:03 p.m.	4:50 p.m.	6:25 a.m.
	Saturday	7:32 a.m.	5:03 p.m.	5:40 p.m.	7:24 a.m.
Last 12/14	Sunday	7:32 a.m.	5:03 p.m.	6:32 p.m.	8:17 a.m.
	Monday	7:33 a.m.	5:03 p.m.	7:27 p.m.	9:06 a.m.

Local UV Index

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

Weather History

Dec. 2, 1925 - A late season hurricane caused extensive damage across the Florida peninsula, then moved off the Georgia coast crossing Cape Hatteras as a tropical storm. The storm produced whole gales along the Middle Atlantic and Southern New England coast.

Growing Degree Days

Date	Degree Days	Date	Degree Days
11/20	0	11/24	0
11/21	0	11/25	0
11/22	0	11/26	0
11/23	0		

Sell At St. Marys

Sell Or Buy

Cattle

By Auction

STARTING TIME 10:30 AM

Tuesdays

We sold 1203 cattle November 25. Steer and heifer calves were in good demand at prices that were steady to higher. Feeder steers and heifers sold steady to \$5.00 lower. Cows and bulls remained steady.

STEER & BULL CALVES

2 blk str	243 @ 345.00	120 blk/bwf str	871 @ 228.00
5 blk/bwf str	459 @ 336.00	15 blk str	749 @ 225.00
5 blk/red str	463 @ 325.00	4 blk str	829 @ 225.00
3 bwf/red str	438 @ 319.00	58 mix str	879 @ 223.25
1 blk str	485 @ 313.00	62 blk/red str	891 @ 222.50
1 blk str	320 @ 312.00	9 blk str	889 @ 222.00
1 blk str	415 @ 310.00	2 wf str	740 @ 220.00
1 bwf bull	410 @ 300.00	4 bwf/blk str	869 @ 217.00
1 blk str	485 @ 299.00	5 blk str	957 @ 215.00
2 red bulls	475 @ 299.00	60 mix str	952 @ 212.25
1 limo str	460 @ 292.00		
7 blk/sim str	539 @ 287.00	<h4>HEIFER CALVES</h4>	
8 mix str	515 @ 278.00	1 blk hfr	320 @ 308.00
3 x-bred str	530 @ 276.00	8 blk hfr	409 @ 302.00
2 blk/char bulls	535 @ 275.00	1 blk hfr	345 @ 300.00
3 x-bred str/bulls	432 @ 275.00	4 blk hfr	461 @ 286.00
2 blk bulls	520 @ 260.00	2 blk hfr	413 @ 274.00
13 x-bred bulls	413 @ 251.00	1 blk hfr	390 @ 271.00
1 char str	505 @ 241.00	26 blk hfr	508 @ 270.00
2 blk str	495 @ 240.00	5 blk hfr	523 @ 267.00
		22 mix hfr	504 @ 260.00
<h4>STOCKER & FEEDER STEERS</h4>		3 blk hfr	517 @ 258.00
36 blk str	563 @ 286.25	2 blk/bwf hfr	495 @ 255.00
22 blk/bwf str	634 @ 264.00	2 bwf hfr	480 @ 250.00
9 blk str	607 @ 261.50	2 blk hfr	480 @ 250.00
4 blk str	611 @ 257.50	2 blk hfr	543 @ 250.00
6 blk/sim str	642 @ 251.00	2 blk/red hfr	540 @ 246.00
3 blk/char str	643 @ 250.00	1 char hfr	545 @ 240.00
2 limo str	590 @ 241.00	4 x-bred hfr	534 @ 235.00
23 blk/char str	763 @ 240.00		
13 blk str	798 @ 240.00	<h4>STOCKER & FEEDER HEIFERS</h4>	
5 blk str	732 @ 237.00	4 blk hfr	604 @ 245.00
3 brndl str	650 @ 230.00	2 blk/bwf hfr	650 @ 244.00
13 mix str	667 @ 229.00	4 blk hfr	591 @ 239.00
2 blk str	783 @ 228.00	39 blk/bwf hfr	661 @ 239.00
		6 blk/bwf hfr	573 @ 235.50

COWS & HEIFERETTES

3 blk hfrts	982 @ 196.00	1 blk cow	1275 @ 111.50
1 blk hfrt	1055 @ 175.00	1 blk cow	1695 @ 110.50
2 blk hfrts	1050 @ 172.00	1 sim cow	1520 @ 110.00
1 blk hfrt	1220 @ 150.00	1 bwf cow	1380 @ 109.50
1 blk hfrt	1080 @ 127.00	1 blk cow	1320 @ 108.50
1 blk cow	1430 @ 121.00	1 blk cow	1875 @ 108.00
1 sim hfrt	1205 @ 120.00	1 blk cow	1305 @ 107.50
1 char cow	1430 @ 119.00	3 blk/bwf cows	1350 @ 107.00
1 red cow	1735 @ 118.50	2 blk cows	1373 @ 106.00
2 blk hfrts	1430 @ 117.50	1 blk cow	1425 @ 105.50
1 blk cow	1465 @ 117.00	4 blk/bwf cows	1276 @ 105.00
1 blk cow	1575 @ 116.50	1 bwf cow	1445 @ 104.00
1 blk cow	1625 @ 116.00	1 blk cow	1140 @ 103.50
1 blk cow	1620 @ 115.50	1 bwf cow	1290 @ 103.00
2 blk cows	1730 @ 115.00	1 char cow	1205 @ 102.50
2 blk/red cows	1768 @ 114.50	1 bwf cow	1200 @ 102.00
1 blk cow	1768 @ 114.00	1 bwf cow	1145 @ 100.00
4 blk cows	1303 @ 113.50	1 wf cow	1245 @ 99.00
1 blk cow	1435 @ 113.00	3 blk cows	1208 @ 98.00
1 bwf cow	1550 @ 112.50		
1 bwf cow	1445 @ 112.00	<h4>BRED COWS & HEIFERS</h4>	
		1 blk cow	@ 2000.00
		1 bwf cow	@ 2000.00
		1 x-bred cow	@ 1925.00
		1 blk hfr	@ 1850.00
		1 blk hfr	@ 1825.00
		1 gelv cow	@ 1600.00
		1 blk cow	@ 1500.00
		1 bwf cow	@ 1375.00
		1 blk cow	@ 1375.00
		1 wf hfr	@ 1375.00
		1 blk cow	@ 1210.00
<h4>COW/CALF PAIRS</h4>			
1 sim cow/cf	@ 2400.00		
1 char cow/cf	@ 2275.00		

BULLS

4 blk/red bulls	1136 @ 150.00	1 blk bull	1915 @ 130.50
1 blk bull	1965 @ 142.00	1 blk bull	1530 @ 130.00
1 red bull	1605 @ 137.00	1 blk bull	2105 @ 125.00
1 bwf bull	1350 @ 135.00	1 blk bull	1820 @ 120.50
		1 blk bull	1765 @ 104.00

CONSIGNMENTS FOR DEC. 2:

- 25 Angus steers, 650-750 lbs., weaned, vaccinated
- 20 Angus steers and heifers, 550-650 lbs., weaned, vaccinated
- 50 Angus Simmental steers & heifers, 500-650 lbs., weaned, vaccinated
- 50 black steers and heifers, 600-650 lbs., weaned, vaccinated
- 85 black steers, 625-650 lbs., 75 days weaned, vaccinated
- 97 black bulls and heifers, 450-650 lbs., vaccinated
- 85 black steers, 825-850 lbs.
- 64 black char steers, 825-850 lbs.
- 61 black x-bred steers, 900-925 lbs.
- 120 black char steers, 850-875 lbs.
- 60 black char steers, 825-850 lbs.
- 100 Angus steers and heifers, 500-650 lbs., vaccinated

SPECIAL STOCK COW & BREEDING BULL SALE

THURSDAY, DECEMBER 11 • 1 PM

HERD DISPERSAL: 84 Angus bwf cows, 6 yrs, short & solid, bred to Mill Brae Protege Angus bulls, start calving Feb. 1

- 25 Angus cows, short & solid, bred to Mill Brae bulls, start calving Feb. 1
- 6 Hereford first calf heifers, bred to low birth weight Angus bulls
- 15 Angus first calf heifers, bred to Angus bulls
- 4 Angus first calf heifers with calves
- 4 Angus cows, 3-5 yrs old with fall calves
- 2 Angus cows, short & solid, with calves
- 1 Angus bull, 18 mo. semen tric tested low birth weight

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

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Livestock Commission Company, Inc.

St. Marys, Ks.

Examining the truth about herbicide use in wheat

By Jordan Hildebrand
Hi. My name is Jordan, and I grew up on a wheat farm. Now I work for Kansas Wheat at my dream job that I never knew I had. I eat wheat, I've rolled around in wheat, eaten the berries straight from the field, I've ridden in combines, even driven one once (#neveragain), and I have constructed award-winning wheat straw nests (although my cousins would contest that fact).

I recently read an article detailing how wheat farmers "drench" their crops shortly before harvest as a "standard procedure," but I wasn't convinced. I knew, based on my own experiences, that it wasn't happening on our farm, but I recognize that I am not an expert in all facets of wheat production.

So, I looked to those experts. I talked with folks who raise wheat in Kansas, as well as a woman with a doctorate and a specialty in weed science. I've reached out to a wheat geneticist and a gentleman who works with industry affairs for Monsanto. Here's a spoiler-alert for the rest of the article... They have all agreed that it is, NOT STANDARD PROCEDURE for winter wheat farmers to spray their crops with herbicides seven to ten days before harvest.

All right... Let's get down to business.

What Does the Science Say...

The thing that struck me about several of the "whistle-blowing" articles I have seen on the topic was the wealth of linkable articles sourced in what I was reading. The problem is, the more links you click, the more you jump to unhelpful statistics generators that are difficult to use (unless you know exactly what you are looking for), as well as links back to other pages on the same website. Unsatisfied with these sources, I went and found my own.

Anita Dille, Ph.D., is a professor of weed ecology at Kansas State University.

"The purpose of herbicides (like Roundup®) is for weed control," said Dr. Dille. "There are a number of different times that herbicides are put on for weed control. And often if you think of a wheat production system, it could be right before planting or right after planting if there's weeds during the crop."

So, the majority of herbicide usage happens before, or shortly after planting. That is around eight to nine months prior to harvest. Spring and durum wheats, in particular, have higher percentages of herbicide use than winter wheat, according to the USDA. However, Dr. Dille was quick to point out that there is no time frame for the data presented, so a large majority of the herbicide usage described was most likely before, or right after wheat was planted.

In those months pre-harvest, a lot can happen to the crop. At harvest time, you can probably count on there being some weeds, but these don't generally pose a problem if the weeds are shorter than the wheat head. If there are heavy rains at harvest time, combined with a thin stand of wheat, weeds can pose a serious problem for farmers. Weeds can make harvest difficult by making the grain harder to thresh and by putting unwanted foreign material in the bin. Then, farmers will have a serious choice to make: harvest anyway and face pay dockages at the elevators (or even risk being turned away), abandon the field and pray for a better crop next year, or spray for weeds and incur costs and a delay in harvest.

"Glyphosate is typically applied with a ground rig, and a ground rig will only run the wheat down," said Brett Carver, Wheat Genetics Chair in Agriculture at Oklahoma State University. "In most U.S. wheat regions, it takes a situation of no-other-choice desperation to consider glyphosate as a harvest aid... certainly not the usual scenario."

For those who choose the latter, there are regulations to be followed.

"There's all sorts of research that goes on before information gets put onto a label as a legal recommendation," said Dr. Dille. "It starts with the companies. They've done the research. Then, it always goes to a contract research or university level, unbiased and independent kind of sources. Then, all that information goes together in a petition to the EPA before it can be put onto a label as a legal recommendation. All that is regulated. The label is a legal document that the growers have to go by."

"U.S. wheat producers do

NOT routinely use Roundup®, or other formulations of glyphosate, for pre-harvest applications," said Steve Joehl, Monsanto's Industry Affairs Director for wheat. "Quite the contrary, it is the exception rather than the rule. You should be aware that Roundup has an approved label with the EPA for pre-harvest use, in the event farmers desire to control perennial weeds, like Canadian thistle, prior to harvest; or for farmers in areas of short growing seasons where crop maturity can be delayed. When used according to labeled recommendations, it is a very safe application. But because Roundup is used in Roundup Ready crops of corn and soybeans, these perennial weeds infestations have been reduced and the practice has been reduced even more."

The label recommendations, in partnership with resources from state extension offices, help farmers make decisions on what herbicides to apply, and even if the application is worth it. Just because farmers have access to sprayers doesn't mean that applying herbicides, like glyphosate, is practical.

"Part of the thinking is that a grower is not going to put on something that's not needed, because that's an expense," said Dr. Dille. "They need to make a good decision in regards to the expense that it is. And is it going to make a difference, or if I wait a week will the weeds die and I'll be fine? It's a balance."

At harvest time the wheat plant is dead and dried out. Since herbicides need a live plant to be effective, very few chemicals are absorbed into the plant and transported to the berry. However, there may still be some residue left on the heads. But when the mandated waiting period is fol-

lowed, it is less likely that the herbicide will still be present in the final product.

What Does the Farmer Say?

Justin Knopf is a husband, father of two and a wheat farmer.

"It's so sad and disheartening to me that people are trying to demonize the wheat that I work so hard to produce," said Knopf. "We work diligently to produce a quality and safe wheat to feed people around the globe a nutritious product, all while doing it with environmentally safe methods."

But how he feels isn't relevant. It's all about what he applies.

"No, I have never used glyphosate in any form as a desiccant (a substance that induces dryness on the plants it is applied on) for as long as I have been farming. And I don't think my dad did either," said Knopf.

Greg Peterson, the eldest brother from the Peterson Farm Bros. crew, has returned to work on his family operation. I took several classes with Greg both pre- and post-YouTube fame, and am proud to say that I was viewer number 15 on their first parody video, *I'm Farming and I Grow It* (now viewed over nine million times).

"Spraying Roundup on wheat is extremely uncommon where we are from," Peterson said. "In my entire life we've done that once and that was when the option was to spray one of our fields or lose the crop completely. Even then, it is illegal to harvest that soon after spraying; you have to give it several weeks and the spray will wear off, break down, and no longer be effective."

These men operate very different farms, but they all answered the same thing when asked,

"So, is wheat safe?"

The answer, without hesitation, was a resounding

"YES."

"The wheat that comes off of my farm is absolutely safe," said Knopf. "My three- and six-year-olds play in the wheat that we harvest, and I wouldn't let that happen if it wasn't."

In Defense of this Long Essay

After talking to the real experts who have spent years learning about the wheat industry in classrooms, labs and fields, I can't help but conclude that the conventional wheat supply is safe. If you disagree, please feel free to support organic wheat farmers with your business. They also work hard to put food on your table, and I appreciate the lengths they go to in order to grow their crop. And, Sarah (The Healthy Home Economist), if you would like to visit a wheat farm and the Kansas Wheat Innovation Center, please get in contact with us! We'd love to see you and your family in Kansas.

I will continue to eat, and

bake, wheat. My family will give my adorable nephew wheat-filled goodies. I'll watch his face light up when he takes combine rides. And, maybe someday if I also have kids, I will relinquish my straw nest building title.

(Who am I kidding? No, I won't.)

Don't believe me? Check out these other resources!

Nurse Loves Farmer - I've just been introduced to Sarah's world, and I can tell I like her a lot. She has an excellent blog post (with some awesome photos and an infographic.)

Prairie Californian - Jenny, a native Californian, married a North Dakota farmer, and this is their story on how they operate. She has some more great infographics and an interesting perspective.

The Truth About Roundup and Wheat - Support material provided by Steve Joehl, Monsanto's Industry Affairs Director for wheat. Includes additional links.



The Balancer Reserve Junior Heifer Calf at the American Royal Gelbvieh and Balancer® Show was AHL Deb 467B ET, owned by JW LeDoux, Agenda; Sire: SAV Brilliance 8077.

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Livestock Auction every Tuesday at 12 NOON
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*******STARTING TIME: 12:00 NOON*******

MARKET REPORT FOR TUESDAY, NOVEMBER 25, 2014
RECEIPTS: 1223 CATTLE

STEERS			HEIFERS		
2 blk str	397@365.00		2 hols str	505@217.50	
5 blk bulls	412@353.00		6 blk str	847@217.00	
4 blk red str	417@346.00		4 blk red str	977@213.00	
3 blk str	470@330.00		5 blk str	824@212.00	
4 blk red str	303@330.00		10 hols str	758@189.75	
4 blk str	518@305.00		10 hols str	883@177.50	
5 blk str	525@303.00		3 blk hfrs	406@306.00	
6 blk str	537@287.00		2 blk hfrs	387@292.50	
7 blk str	577@277.50		8 blk hfrs	481@280.00	
11 red str	581@277.00		6 blk hfrs	485@272.00	
9 blk str	651@275.50		5 blk hfrs	478@270.00	
23 blk red str	586@268.25		7 blk hfrs	552@256.50	
6 blk str	641@263.50		14 blk hfrs	606@256.00	
9 blk str	693@260.50		11 blk hfrs	554@253.50	
4 red str	661@260.00		7 blk red hfrs	564@253.00	
10 blk str	692@260.00		8 blk hfrs	589@249.50	
6 blk str	689@257.00		5 blk red hfrs	591@244.00	
8 bwf rwf str	714@257.00		7 bwf rwf hfrs	615@240.00	
12 blk str	666@254.50		8 red hfrs	627@235.00	
49 blk str	745@248.00		26 blk hfrs	690@234.00	
5 blk red str	680@246.00		35 blk hfrs	689@230.50	
10 blk str	779@235.50		4 blk hfrs	712@227.50	
5 blk str	677@235.00		6 char hfrs	670@223.50	
13 blk red str	789@234.50		11 mix hfrs	693@222.00	
9 blk str	794@233.50		63 mix hfrs	869@218.60	
14 blk str	780@229.50		34 mix hfrs	764@216.00	
2 hols str	370@227.50		13 blk hfrs	841@214.75	
5 blk str	775@222.00		4 blk hfrs	805@212.50	
4 hols str	425@220.00		5 red blk hfrs	869@205.50	
6 blk str	864@219.50		7 blk red hfrs	926@199.50	
5 blk str	901@219.00				

FRIDAY, DECEMBER 12--SPECIAL COW AUCTION--6 P.M.

2 Registered blk balancer 1st calf hfrs/ Al bred August calves	19 blk angus 1st calf bred hfrs, Al bred to SAV Bismark, clean up bull son of Bismark, to start calving Feb. 7
10 blk 1st calf hfrs/fall calves	25 blk cows, 3 yrs, bred blk ang or char, start calving March 12 for 60 days
35 blk 1st calf hfrs/fall calves	
6 blk cows/fall calves 6-7 yrs	

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Goat- Sheep Sale Results		FAT LAMBS	
KID GOATS		FEEDER LAMBS	
46-80 lbs.	\$224-\$262	155 lbs.	\$163
SLAUGHTER NANNIES		79-105 lbs.	\$173-\$200
\$119-\$145		SLAUGHTER EWES	
SLAUGHTER BIG BILLIES		\$81-\$110	
\$120-\$155		SLAUGHTER RAMS	
		\$80-\$96	

Anniversary Cattle Sale December 5th

20 red Angus, 1100 lbs. hfrs, Al Conquest 3 days ultra sound Jan. 15, Sandhill origin; 17 blk, 1100 lbs. hfrs, bred Hereford Feb. 1st; 20 char/red Angus 1200 lbs. hfrs, bred blk Feb. 1, 3 sets, very nice, gentle; 75 blk, 700-800 lbs.; 60 char-Ang-x, 575-700 lbs.; 30 blk, 650-800 lbs.; 32 blk, 400-600 lbs.; 45 char-Angus-x, 600-750 lbs.; 54 blk str, 650-750 lbs.; 31 blk hfrs, 575-650 lbs.; 45 char-x, 575-675 lbs.; 15 blk, 600-700 lbs.; 92 blk, 650-800 lbs.; 10 blk wf hfrs, 600 lbs.; 40 blk str, 700-800 lbs.; 34 blk, 550-700 lbs.; 40 blk, 550-675 lbs. Plus Many More.

Cattle Sale Friday, December 12th

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**There was no sale
November 27th due to
Thanksgiving.**

We appreciate your business!

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Austin Evenson- Fieldman
Mobile Cell 620-750-0222

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(316) 322-0675 (M)	(620) 222-1199 (M)
Larry Womacks, Fieldman	Van Schmidt, Fieldman
(620) 394-3273 (H)	(620) 367-2331 (H)
(620) 229-0076 (M)	(620) 345-6879 (M)
Cattle Sale Every Thursday 11:00 AM	

Harvest of sorghum, beans wraps up in Kansas

(AP) - The latest government farm snapshot shows the fall harvest is wrapping up in Kansas. The National Agricultural Statistics Service reported last week that 90 percent of the sorghum and 96 percent of the soybeans have now been cut in the state. The sunflower harvest is 86 percent finished. Winter wheat is faring well so far despite the recent cold temperatures. The agency rated the state's wheat condition as 6 percent excellent, 55 percent good, 35 percent fair and 4 percent poor. About 95 percent of the winter wheat has emerged.



The Gelbvieh reserve junior bull Calf at the American Royal Gelbvieh and Balancer Show was CIRS 354TB, owned by Circle S Ranch, Canton; Sire: CIRS Decade 278U2.

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Mandatory COOL: still detrimental to trade, still no easy solution

Abolish? Make further tweaks? Or perhaps, make it voluntary? On the heels of the World Trade Organization's (WTO's) latest ruling on U.S. mandatory country-of-origin labeling (COOL), debate on both sides of the issue continues. It's a debate that has spanned more than a decade, and finding a solution that will please everyone involved is likely impossible.

For the second time, the WTO has sided with two top U.S. trading partners (<http://www.census.gov/foreign-trade/statistics/highlights/toppartners.html>) —Canada and Mexico — saying COOL has caused less favorable treatment to imported livestock from those countries compared to U.S. livestock, and furthermore, it has caused a detrimental impact on the competitive trade opportunities of imported livestock.

"(Mandatory COOL) puts Canadian and Mexican livestock producers at a disadvantage to U.S. livestock producers," said Glynn Tonsor, K-State Research and Extension livestock economist. "As an economist who has looked at it, the additional costs that come with the more precise tracking and segregating get built into what U.S. feedyards and packing plants are willing and able to pay for animals not born in the United States."

More precise tracking and segregating were the results of the revised and current U.S. mandatory COOL ruling implemented in May 2013 due to the WTO's first siding with Canada and Mexico.

"In 2009, we had the first implementation of mandatory COOL that led to labels such as 'Product of U.S. and Canada' showing up on beef

steaks, for example, for an animal that might have been born in Canada, then came into the United States to a feedyard and was processed here," Tonsor said.

"Then we had some WTO disputes, discussions and rulings," he continued, "that led the U.S. Department of Agriculture (USDA) to change some specifics of the rule. In May 2013, we had a new rule, the most recent rule, with updated requirements."

The current rule requires that several fresh foods, including meat sold at grocery stores, indicate the individual country or countries where the product was born, raised and slaughtered on the product's label.

"The main difference consumers saw from that rule change was meat labels, such as that on a beef steak, would now be labeled as 'Born, Raised and Slaughtered' in different countries," Tonsor said. "Sticking with the same example I mentioned before, the label would now say, 'Born in Canada, Raised and Slaughtered in the U.S.'"

A 2010 Informa Economics (<http://www.informaeconomics.com/COOLStudyUpdate2010.pdf>) study estimated mandatory COOL cost the beef supply chain roughly \$1 to \$1.2 billion in 2009. For pork that same year, the total cost was estimated at \$167 to \$228 million. This is before the 2013 ruling requiring more detail and likely more cost, Tonsor said.

The consumer perspective

Not only has mandatory COOL shown to be costly and hinder trade, concerns have also come to light questioning if U.S. con-

sumers overall are aware of origin labels or use them to make purchasing decisions.

In his research, Tonsor said he's found no evidence of demand for origin information by the typical meat consumer in the United States (http://www.agmanager.info/live-stock/policy/Tonsor_KSU_FactSheet_MCOOL_11-13-12.pdf). Furthermore, he's found most U.S. consumers don't know that COOL even exists.

"Nearly two years ago, we wrapped up that research after the 2009 rule was implemented," Tonsor said. "We're able to see how actual consumption patterns did or didn't change, as opposed to doing it beforehand and speculating. We found no evidence of beef demand increase following implementation of origin labeling. We found no evidence of pork demand increase. We found no evidence of poultry demand increase."

The meat products Tonsor studied were all covered products through the grocery store chain, as these products must abide by the ruling. Many products he didn't study because they are exempt from mandatory COOL, such as a food item sold in a restaurant and further processed items, such as cured bacon.

"We also did a lot of survey work that shows most of the public isn't aware of COOL, and origin information is not the most important piece to them (when buying meat products)," he added.

The advocates of COOL might say more precision and detail on labels now lends itself to enough information to actually show a consumer demand benefit, Tonsor said, but he's still skeptical if those benefits would be there if a majority of the public still isn't aware of origin labeling.

"How do they value something they don't know is there?" he questioned.

An unknown future
The U.S. Department of Agriculture and trade nego-

tiators on behalf of the United States have yet to make statements as to whether or not they will appeal the latest WTO ruling or focus on modifying the rule for another time, Tonsor said. Many people and groups are politically involved in the issue and want different outcomes.

"The groups believing there is no consumer demand benefit and are concerned with additional costs would have a strong preference to abolish (mandatory COOL) or get as close to abolishing to the policy as possible," he said. "The groups that are advocates of mandatory COOL are pointing out the United States has the right to label origin. Components of the WTO ruling have also said the United States has that right."

Tonsor said he believes it would be difficult to technically redesign mandatory COOL in a way the WTO would view as giving information to consumers while not continuing to negatively affect U.S. trading partners.

"Moreover, I don't know if it has to be a mandatory COOL policy," he said. "Perhaps we could have developed (COOL) in a voluntary sense."

Voluntary COOL might still be a possibility to consider, as it would allow packers and retailers the option to label the origin. Consumers could continue to shop for foods by origin preference, if the packers or retailers decided the added cost of labeling would be offset by consumer demand.

More information about the WTO's ruling can be found online www.wto.org/english/tratop_e/dispu_e/cases_e/ds384_e.htm. Tonsor's research related to COOL is located on K-State's Ag Manager website www.agmanager.info/livestock/policy/Tonsor_KSU_FactSheet_MCOOL_11-13-12.pdf.

A video interview with Tonsor is available on the K-State Research and Extension YouTube page www.youtube.com/watch?v=ubzqOQ0jeY&feature=youtu.be.

JC LIVESTOCK SALES INC.
Wednesday Sale, Hogs NOON • Cattle 12:30 PM

NO SALE DUE TO HOLIDAY

CONSIGNMENTS FOR DECEMBER 10
20 Angus first calf bred heifer, bred to LBW
Angus bulls, start calving Feb. 1st
125 blk-x str & hfrs, 500-750 lbs.
50 Ang-x str & hfrs, 500-750 lbs.
PLUS MORE SALE TIME!

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

CLAY CENTER LIVESTOCK SALES INC.
Cattle sales Tuesday, 11:00 AM.

For week of November 25, 2014

STEERS			HEIFERS		
3 blk	413	323.00	9 mix	338	294.00
7 mix	428	309.00	16 blk	452	269.00
17 blk	501	301.00			
5 blk	618	257.00			
2 blk	550	257.00			
17 blk	596	245.00			
5 blk	721	220.50			

Top Butcher Cow was \$127.50 @ 1,390 lbs.
Top Butcher Bull was \$132.50 @ 1,715 lbs.

NEXT SHEEP & GOAT SALE: DEC. 6
Equip & Hay sell @ 11 AM • Sheep & Goats Noon
• Several fence line sheep & goat feeders
• Several feedbunks
• Sheep/Goat blocking stand w/lift
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• 100 sq. bales of brome, hay wire tied & good quality
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NRCS seeks public comments on Conservation Stewardship Program interim rule

The U.S. Department of Agriculture's (USDA's) Natural Resources Conservation Service (NRCS) in Kansas is seeking public comments on changes to the Conservation Stewardship Program (CSP) interim final rule. USDA published the interim final rule, which contains the statutory changes to CSP in the Federal Register.

Register www.federalregister.gov/articles/2014/11/05/2014-26295/conservation-stewardship-program-csp-interim-rule. The rule will be open for public comments

through January 5, 2015. Interested individuals can submit public comments on the interim final rule on <http://www.regulations.gov/#!documentDetail;D=NRCS-2014-0008-0001>. Public comments will be used to finalize the interim final rule. A final rule will be published afterwards.

"As conservation leaders, farmers and ranchers in Kansas will be pleased by the program changes," said NRCS state conservationist Eric B. Banks. "These changes will increase the level of stewardship needed to address critical resource concerns on working agricultural lands and enable them to deliver more conservation benefits."

The interim final rule is used to implement CSP. This program helps agricultural producers maintain and improve their existing conservation systems and adopt additional conservation activities to address priority resources concerns. Participants earn CSP payments for conservation performance—the higher the performance, the higher the

payment. Congress changed CSP in the 2014 Farm Bill and NRCS, the agency that administers CSP, incorporated those changes into this interim rule. These changes are designed to improve the competitive nature of the program, including raising the bar for the quality of projects enrolled and increasing the number of priority resource concerns to be addressed during the term of the CSP contract.

The interim final rule also expands the CSP's reach to include veteran

farmers and ranchers under special funding pools for beginning and socially disadvantaged producers, updates requirements for contract renewal, uses science-based stewardship thresholds to determine program eligibility and success, and expands program enrollment to include lands protected under the new Agricultural Conservation Easements Program and that are in the last year of the Conservation Reserve Program.

NRCS has also increased flexibility for producers to make minor adjustments to

their agricultural operations that will result in the same or better stewardship of the land, and removed extraneous provisions that did not relate to program participants rights and responsibilities. For more information about CSP in Kansas, visit www.ks.nrcs.usda.gov/programs/financial/csp/ or your local USDA Service Center. Follow us on Twitter @NRCS_Kansas. For information about CSP nationally, please visit www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/csp/.

Ag leader Chris Novak to become NCGA's chief executive officer

After a comprehensive recruitment process with many strong candidates, the National Corn Growers Association has announced that Chris Novak will become the organization's next chief executive officer, taking the place of 14-year veteran Rick Tolman, who earlier this year announced his intention to retire from the organization.

"We're thrilled to have Chris join us at NCGA," said NCGA president Martin Barbre, a corn grower from Illinois. "He has all the right qualifications to take the reins of this growing organization and keep it moving in the right direction, continuing the tradition of success we saw under Rick Tolman."

Novak's first day as

NCGA CEO was Monday, Oct. 13. He currently serves as chief executive officer of the National Pork Board, a position he has held since October 2008. Prior to that, from 2004 to 2008, he was executive director of the Indiana Corn Marketing Council, the Indiana Corn Growers Association and the Indiana Soybean Alliance. Novak also has served in positions at Syngenta and the American Soybean Association, and worked on Capitol Hill.

"I am very excited about this opportunity to work with a terrific team of grower leaders, state affiliates and the NCGA staff," Novak said. "With a record corn crop predicted for this year, corn farmers must work together to build new markets

that keep up with our increasing productivity. I'm looking forward to working with the team to meet this challenge."

Novak holds a master's degree in business administration from Purdue University, a law degree from the University of Iowa and a bachelor's degree in public service and administration from Iowa State University. Novak and his wife, Julie, have three children.

Barbre appointed a cross-functional search committee to aid in the placement, led by NCGA chairwoman Pam Johnson. The committee retained the services of Kincannon & Reed, an executive recruitment firm that specializes in the global food and agriculture sectors and has exten-

sive recruiting experience for agricultural associations.

"Our search committee was impressed with the caliber of candidates, and we faced a lot of tough decisions, but in the end, we knew Chris would be a great fit with NCGA," said Johnson. "I'm grateful for the hard work of our search committee and for the guidance of Kincannon & Reed for making this a great process."

Outgoing CEO Tolman had announced in March that he would be retiring from NCGA at the end of the association's fiscal year, to spend more time with his wife, children and grandchildren.

"NCGA has a great future ahead of itself with Chris as

its new chief executive," Tolman said. "I am extremely confident that he has the experience and expertise to lead it boldly and continue its trajectory as a respected national trade association growing in membership and influence. In the weeks ahead, we will be working together on a smooth and productive transition as corn farmers face continuing challenges from several

fronts."

Tolman joined NCGA in September 2000, having previously served as executive director of the U.S. Grains Council, and has received numerous awards and recognition in his time at NCGA. Later this year, he and his wife, Linda, will relocate closer to family in Utah, where they are building a home.



The Balancer champion intermediate heifer calf at the American Royal Gelbvieh and Balancer Show was BDCG DC Darci 401A1 ET, owned by Logan Beying, Easton; Sire: SAV Bismarck 5682.



The champion Gelbvieh junior heifer calf at the American Royal Gelbvieh and Balancer Show was HIGH MS Anneli 14B9, owned by Hightower Cattle Company, Lacygne; Sire: TAU Mr Krugerrand 70M 130P.



The Balancer reserve junior yearling heifer at the American Royal Gelbvieh and Balancer Show was CTR Lass 3200A, owned by JW LeDoux, Agenda; Sire: CTR Sandhills 0065X.

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Shutting It down – Kansas researchers protect wheat by preventing virus replication

By Julia Debes
Viruses result in yield loss. For example, yield loss due to wheat streak mosaic virus equaled more than 4.25 million bushels in the 2013 Kansas wheat crop alone, adding up to a \$32.6 million economic impact. Now, however, researchers funded by the Kansas Wheat Commission have developed a way to stop four of the hardest-hitting wheat viruses – Wheat streak mosaic virus, Triticum mosaic virus, Soilbourne mosaic virus and Barley yellow dwarf virus - literally in their reproductive tracks.

These viruses are like parasites; they need a host. Some even need to hijack part of that host's own genes to replicate and survive. Researchers can now halt this replication process, meaning the virus is not able to spread and damage the wheat plant. With funding by Kansas wheat farmers, Dr. Harold Trick is a nationally recognized expert at transforming wheat varieties.

Dr. John Fellers, USDA Agricultural Research Service molecular biologist based at Kansas State University, has teamed up with Dr. Trick, Kansas State University plant pathology professor, to find exactly what parts of the wheat plant these four viruses commandeer to replicate and how to stop them before the virus is activated.

Understanding the Virus-Cell Interaction

The team started by identifying the exact genes that could help the wheat plant identify and destroy the virus threat. Fellers explained that this acted like a Most Wanted poster that the plant could refer each potential threat to and attack when detected. While effective, this process could only address a single virus at a time.

Because they do not have their own reproductive systems, these four viruses hijack the wheat plant's eukaryotic initiation factors to help them replicate.

However, the team found all four of the abovementioned viruses infect a wheat plant in a similar way. As Fellers detailed, the viruses enter the plant

with a protein cap on, much like an opposing fan sporting a counterfeit KC Royals hat to sneak into Kauffman Stadium. With this disguise, the viruses convince the plant's eukaryotic initiation factors, part of the cell's own reproductive system, to help them replicate. Or, for analogy's sake - buy some beer. Trick reported that all four viruses use a similar counterfeit cap and commandeer the same two cell components, identified as eIF4E-2 and eIF4G.

Trick and Fellers genetically shut down those genes by putting them on the plant's Most Wanted List. In other words, the stadium managers told the concession stand that they cannot sell beer. With the two eukaryotic initiation factors eliminated by the wheat plant itself, Fellers explained the viruses have no means to replicate and die off - with no ill effect to the plant. Trick stated, "One transgene protects against four different economically impactful viruses."

Protection Without Yield Loss

With a genome five times as complex as humans, the wheat plant has redundancies built into its genetics. Trick emphasized that there was no phenotypic penalty, meaning no loss in yield or negative effect to the plant's function even though wheat genes are shut down. In other words, the team can shut down sales of the viruses' favorite Budweiser, but keep the Coors stands open for true Royals fans.

Doctoral student Jessica Rupp tests how resistant the modified wheat lines are to barley yellow dwarf virus through aphid exposure in this growth chamber.

Rupp is testing these plants for their resistance by exposing them to the virus in growth chambers. For Triticum streak mosaic virus and Wheat streak mosaic virus, that is easy – the virus can be rubbed onto the plant's leaves. For Soilborne mosaic virus, a fungus is needed and Barley yellow dwarf virus is best transmitted by aphids. For all of these processes, she said the resistance is stable through the fifth genera-

tion, which has never been accomplished before in wheat. She further explained that because of the redundancies in the wheat plant, a transgene is sometimes silenced in the traditional breeding cycle since the wheat plant is so good at eliminating copies. That is not the case with these two factors. In fact, the process is so effective that Kansas State University filed a patent for it.

Advancing the Science Even Further

This wheat has been modified to resist four different viruses without impacting potential yield. The team's next steps involve moving these transgenes from their current spring wheat varieties into elite winter wheat varieties adapted to Kansas. The most basic way to do this is traditional back-crossing into varieties like Overly, which is happening now. But, this wheat is still genetically modified, meaning a significant investment in time and money to take it to commercialization. Now that the two wheat plant components have been identified, however, the research team explained they can use non-genetically modified methods to accomplish the same virus resistance. Using mutagenesis, the team can look for a mutated version of these factors, like one that that will not recognize counterfeit ball caps or cannot sell beer. Or, using an even more efficient non-genetically modified approach called gene editing, they can make very specific, microscopic mutations just to those factors, like going into the instructions for beer vendors and changing a "can sell beer" to "cannot sell beer."

No matter the method, the discovery of how to prevent yield loss from viral infection for four major wheat viruses could not have happened without the support of their ultimate benefactors - Kansas wheat farmers.

"This type of research is difficult to fund on a national level," Trick said. "Without the support of the Kansas Wheat Commission, we could not do this research. Period."

Kansas cattle on feed up 1 percent

Kansas feedlots, with capacities of 1,000 or more head, contained 2.08 million cattle on feed on November 1, according to the USDA's National Agricultural Statistics Service. This inventory was up 1 percent from last year.
Placements during October totaled 420,000 head, down 11 percent from 2013.
Fed cattle marketings for the month of October totaled 320,000 head, down 20 percent from last year.
Other disappearance during October totaled 30,000 head, up 10,000 from last year.
Find agricultural statistics for your county, state, and the nation at www.nass.usda.gov.



Yard & Garden Tips

By Gregg Eyestone

Protecting Plants from Wildlife

With the close of the growing season, food for some wildlife becomes less abundant. Cottontail rabbits, deer, voles and other wildlife may begin seeking out landscape plants for nourishment. Preventative methods are best prior to the wildlife developing a habit of munching on wanted vegetation.

There are several techniques to employ to prevent damage. Habitat modification is a starting point. Removing cover such as brush piles can lead to relocation of wildlife. Water is necessary for life and reduction in access is desirable. All food sources should be excluded from any potential feeders.

A good way to protect plants is to install a physical barrier that will keep wildlife from reaching desirable plants. On a single stem plant, a wrap or cylin-

der of quarter-inch wire hardware cloth will be effective. Secure it slightly below grade to prevent some root injury as well.

The height depends on the size of the wildlife. Two feet is sufficient for rabbits. Deer may require eight feet. Another approach for deer is to make a cylinder out of reinforcing wire and wide enough to prevent deer from reaching the branch tips.

Several products that are considered repellents can be effective deterrents. They are mostly up to the user to try and determine effectiveness. A repellent should be applied prior to the period of anticipated damage. Once a feeding pattern is established, it becomes more difficult to counteract.

Switching repellent type periodically is suggested to prevent the animal from

becoming accustomed to the use of only one. The addition of a sticker to the mixture will reduce the need to reapply after every rain. Read and follow directions on the package. Although repellents don't kill, they are classified as pesticides and must be used according to the product label.

More information is available from KSU websites. The need is to get out and get protection in place. An ounce of prevention is truly worth a pound of cure in this situation.

If you would like additional information on a horticulture topic, please contact Gregg Eyestone at the Riley County office of K-State Research and Extension. Gregg may be contacted by calling 537-6350 or stopping by 110 Courthouse Plaza in Manhattan or e-mail: geyeston@ksu.edu

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Kinze 3600 planter- Twin Line, 31 row,\$51,900
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White 5108 8 row planter
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1998 Gleaner R72
1996 Gleaner R62
Gleaner 8200 30' w/air reel
Gleaner 800 30' flexhead
Gleaner 400 30' rigid
Gleaner 700 30' rigid
2003 MF 9690 w/30' head
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Gehl 5240 skid loader
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'97 Case IH 9330, 4520 hrs
'84 Kubota L224 DT MFD, 738 hrs
'78 IH 1086 w/ldr.
'73 Case 970, cab
'58 IH 460, gas w/implements
'41 IH FarmAll A w/Woods belly mower

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'13 Great Plains 2600HD, w/fert., never used
'11 Case IH 3406 corn head
JD 7200 planter 6 row 30'
'08 Case IH 530C Ecolo-Tiger
'07 Case IH RMX340 25'
Case IH 3950 29' disk
Case IH 4300 FC 33'
JD 960 FC 32'
'92 Case IH 1640, 2895 hrs
'91 Case IH 1680 combine 4WD
'02 Case IH 1020 25'
'92 Case IH 1020 15'
'94 Case IH 1063 cornhead
(2) IH 863 cornheads
'88 Case IH 1660, 4300 hrs,
'04 Case IH RBX562 rd. baler
'92 Case IH 8480 rd.baler
'06 Case IH WRX 201 10 wheel rake
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MFD, 1561 hrs...\$142,500 (C)
2010 Case IH Magnum 210
MFD, 961 hrs....\$132,500 (S)
2011 Case IH Maxxum 140
MFD w/ldr., 3020 hrs.....
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MFD w/ldr., 1906 hrs.....
.....\$79,500 (W)
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MFD w/ldr., 1015 hrs.....
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2008 Case IH Puma 180 MFD,
2903 hrs.....\$86,500 (M)
2010 Case IH Puma 140 MFD,
1255 hrs.....\$92,500 (C)
2013 Case IH Farmall 140A
MFD w/ldr., 38 hrs.....
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11826 hrs.....\$43,500 (M)
1991 Case IH 7130 2WD, 8959
hrs.....\$34,500 (W)
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8049 hrs.....\$34,000 (W)
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Gehl 2880 5x6.....\$8,500 (M)
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IH 800 12RN RHF w/liquid.....
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1997 Case IH 2166 4WD
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ldr.
2013 Case IH Magnum 340
2013 Case IH Magnum 290
2010 Case IH Steiger 435 Q
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2010 Case IH Puma 155, ldr.
1994 Case IH 5230, MFD, ldr.
2000 Case IH Magnum MX270
1999 Case IH Steiger 9370Q

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1991 NH 499, hydra-swing
1990 Hesston 1150 MoCo
2011 Case IH 1240 16/31 fert.
2010 Case IH 1240 16/31
2008 Case IH 1240 16RN, BF
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11 CIH STX350\$223500(W)
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11 CIH S400\$259000(S)
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11 Mahindra 3616..\$16500(GB)
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05 Versatile 2360 ..\$89500(W)
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01 CIH MX240\$59000(GB)
00 JD 9400\$67500(LA)
00 JD 8110 FWA\$78500(H)
00 MF 241 2WD\$7500(H)
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83 Case 1394\$7500(H)
80 Ford 1700\$7900(GB)
68 IH F856\$13000(H)
65Massey 2wd\$6800(H)
64 JD 4020 2WD.....\$12000(H)
Ford 7600.....\$8500(PR)

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13 Case IH 7230 ..\$230000(PR)
12 CIH 8120\$240000(W)
12 CIH 7130\$255000(W)
12 CIH 7230\$324500(W)
12 CIH 7230\$240000(L)
11 JD 9770\$149000(M)
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13 CIH 2162\$70000(H)
12 CIH 3020 35'\$33000(M)
12 CIH 2162 40'\$65000(GB)
12 CIH 2162 35'\$61000(W)
11 CIH 2162 35' FH ..\$61000(H)
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81 Vermeer 605F.....\$3500(S)

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ALFALFA BALES- 2013 cutting RFW-160, \$150 per ton; 2014 cutting RFW- 170- 196, \$165 per ton. 785-623-1975

NATIVE GRASS hay, sprayed, net wrapped, also CWF. Wakefield. 785-761-4554.

FEED & SEED
DAMAGED GRAIN
WANTED STATEWIDE
We buy damaged grain, any condition-wet or dry-including damaged silo corn.
TOP DOLLAR!
We have vacs and trucks.
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3X3X8 square bales prairie hay, \$100/ ton; 3x3x8 square bales of brome, \$100/ ton. 785-249-3303, Dennis. 785-231-9715, Devere.

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Pelletized, crude protein not less than 14.5%. Call for pricing.
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2014 PRAIRIE hay, big round, net wrap, baled last of June. Waverly, KS. Can deliver. 785-229-2428. Grinding available.

2013/ 2014 large brome- fescue mixed, net wrapped, clean, 146 bales, \$63/ ton. Winchester, KS. Dan Sedlak. 913-774-4444. 913-683-5034.

PREMIUM RANGE Cubes \$229/ per ton. We Deliver. 316-249-1907.

SMALL SQUARE bales alfalfa, all cuttings. Small square bales prairie hay. 4x6 net wrapped alfalfa, all cuttings. 4x6 net wrapped prairie hay. Chapman. 785-257-3447.

PREMIUM RANGE cubes, \$229/ ton. Call Brock Baker, 316-249-1907.

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LOOKING FOR high starch milo Pioneer brands, varieties are: 85P05, 84P80, 85Y40, 85G46. Will pay premium. agvandedenterprises@yahoo.com. 785-823-2088. 785-366-6970.

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157 ACRES of pasture 2 miles south of Auburn, asking \$264,000. 785-862-4951.

FAMILY FARM wanting grass to run cow/ calf pairs and/ or open heifers. Honest, reputable people, looking for the same. 620-793-2368.

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2001 Ford x-cab 4x4
2001 Ford Expedition 4x4
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3042 Knight Reel Mixer wagon \$15,750.00
Several Daycabs available
Feed Mixers and
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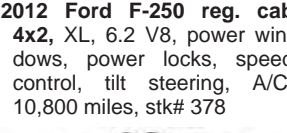
2012 F250 4X4 Crew Cab Lariat, 95K, loaded! Asking \$40,000. 785- 410-2203.

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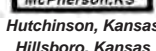
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\$13,995
2005 Ford E350 KUV, Kna-phaeid van body, 5.4 V8, mobile tool shop, local trade in, white, xtra low miles 61,106, stk#383A


\$18,995
2011 F-250 S/C, XL, w/ Kna-phaeid steel flat bed with stake sides, 6.2 V8 gas, power window, power locks, speed control, tilt steering, A/C, 75,301 miles, stk# 402


\$22,995
2012 Ford F-250 reg. cab 4x2, XL, 6.2 V8, power windows, power locks, speed control, tilt steering, A/C, 10,800 miles, stk# 378

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'12 Ford F-450 crew 4x4, loaded, diesel, nice, 44K
'12 Ford F-350 crew 4x4 Lariat single rear wheel, diesel, auto, hydra bale bed, nice, 68K
'11 Dodge 3500 mega cab 4x4, diesel, auto, Laramie DRW, nice, 42K
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Name: _____ Phone #: _____

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

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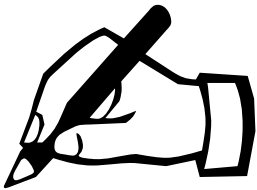


FIGURE YOUR COST HERE:

RATE: 65¢ a word.

Number of words: _____ @ 65¢ each

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

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Cost for _____ weeks: _____

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

Less discounts: _____

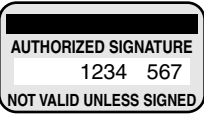
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REMINDERS

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



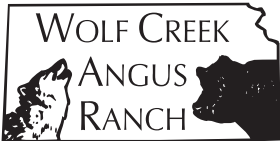
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POLLED HEREFORD BULLS. All "heifer" bulls. One September yearling and 3- (January, March, April) coming yearlings. Gentle, well-developed, predictable genetics. Hotwire broke. \$2,500- \$3,800. Free delivery. Kanza Cattle, Chapman. 785-313-6565.



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Featured Sires:
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Performance Tested; Fertility Tested; Fully Guaranteed; Free Delivery in KS & NE.

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KANZA CATTLE wishes to Thank all their buyers in 2014. Our emphasis is on calving ease, udder quality and fertility. Reap ultimate hybrid vigor through A.I. in 2015. Contact us to add our calving-ease Polled Hereford herdsire to your program. Commercial herds will receive discounts. Lori, 785-313-6565. kanzacattlevines@hotmail.com.



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Calving Ease • Performance with Carcass • Gentle Disposition

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CATTLE

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CATTLE



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DATES FOR 2014
DECEMBER 15-19



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AVAILABLE NOW: 44 head of 2 yo spring bred heifers; 80 head of 3- 5 yo spring calving cows; 400 head of 750 lb. spring born open heifers. All Angus. All ranch raised. Call 785-418-2983 (no texts). See videos at www.clovlanfarms.com.

10 HEAD Angus cows with 60 day old calves; 25 head Angus first calf heifers to calve February. 785-364-7707.

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Calving ease, good growth and disposition
Semen tested, poured, vaccinated
Delivery available
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Flory
Polled Herefords

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Good bulls with balanced EPD's, practical development, good disposition & eye appeal.

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GLENN CHUCK
785-668-2368 785-668-2454

12 FALL yearling black Sim/Angus bulls. (4) char/ Simm/ Angus bulls, semen checked, vaccinated, poured, very gentle growth, calving ease, Polled. Luin Berger. H: 785-363-2645. C: 785-268-0647.

CHAROLAIS BULL. 18 months. Keys McHenry-TR Turton. Real high quality herd prospect. Gentle, well-developed. Hotwire broke, vaccinated, tested. Free delivery. Kanza Cattle, Chapman. 785-313-6565.

CATTLE

Bull & Female Sale SAT., MARCH 14 2015



MILL BRAE RANCH

Mark Nikkel, Managing Partner
Maple Hill, Kansas
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millbraeranch.com

ANGUS FALL BULLS

75 head to Select From
Plus 8 Sim-Angus Bulls
4 2-year old Bulls

This is a stout set of artificially sired bulls, with over 20 years of artificial breeding.

Semen checked, ready to go

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Nelson
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ANGUS & SIMMENTAL-ANGUS BULLS



- Priced for the Commercial Cattleman
- Yearlings & 2 yr. olds with calving ease & growth
- Excellent Selection with Volume Discounts
- Performance Data Available
- Good Maternal Traits

Huninghake Angus

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CATTLE



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Fall Born Bulls
Replacement Heifers

Bull Sale
March 21, 2015

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ANGUS AND SimAngus Bulls. 18 Mo of age SimAngus bulls are Sired by ChopHouse. Angus bulls sired by OCC Unchallenged 811U. Several maternal sibs highlighted the Ohlde Advantage female production Sale Ohlde Brothers 785-747-6900 785-541-1088.

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54 YOUNG mostly black springer cows, \$2,500/ head. 620-596-2813.

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Amazing Driver Safety Features
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Confidence Pkg - Luxury Pkg
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Heated Seats, Steering, Mirrors
HUD, Nav, Keyless Start, Bose
WAS \$44,510 NOW \$42,700
minus \$3500 Cash Rebate
TOTAL = \$39,200 + plus tax



#3081 2014 Enclave 1SP
Silver Metallic - V6 3.6L FWD
Rear Seat Entertainment Pkg
Trailer & Hit The Road Pkg
Front Collision, Side Blind Zone,
& Rear Collision Allert
Nav, Dual Sun Roof, Bose
WAS \$50,180 NOW \$47,550
minus \$3500 Cash Rebate
TOTAL = \$44,050 + plus tax



#3096 2014 Verano 1SL
Bronze Metallic L4 2.4l FWD
Side Blind Zone & Rear Alert
Bluetooth, Rear Vision Camera
Lane Departure Warning
Premium 9 Speaker Bose Audio
Touch Screen with Navigation
WAS \$30,225 NOW \$29,100
minus \$1750 Cash Rebate
TOTAL = \$27,350 + plus tax

Must take delivery by December 1st, 2014 to Qualify for Rebates!

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Selling Hogs & Cattle every Monday

UPCOMING SALES CALENDAR:

SPECIAL COW SALE

DATES:

- Tuesday, December 16th * 12 Noon
- Tuesday, January 20th * 12 Noon
- Tuesday, February 17th * 12 Noon
- Tuesday, March 17th * 12 Noon
- Tuesday, April 21st * 12 Noon
- Tuesday, May 5th * 12 Noon

SPECIAL CALF SALE

DATES:

- Tuesday, January 6th * 12 Noon
- Tuesday, February 3rd * 12 Noon

Receipts for the week totaled 1,652 cattle and 50 hogs.

STEERS					
2 blk	Smolan	323@400.00	1 blk	Durham	1465@121.00
1 blk	Salina	435@340.00	1 char	Tescott	1770@121.00
3 blk	Clafin	438@336.00	BULLS		
7 blk	Salina	924@220.00	1 blk	Assaria	1980@141.00
HEIFERS			1 blk	Assaria	2005@138.00
1 char	Gypsum	290@340.00	1 blk	Bennington	1920@138.00
2 blk	Smolan	373@330.00	1 blk	Miltonvale	2090@138.00
2 blk	Smolan	423@330.00	1 blk	Marion	2135@138.00
1 blk	Clafin	370@305.00	1 blk	Miltonvale	1945@136.00
4 blk	Salina	468@280.00	1 blk	Tescott	2040@135.00
2 blk	Clafin	435@280.00	HOGS		
2 blk	Clafin	503@259.00	21 mix	Manchester	256@57.00
2 blk	Gypsum	515@256.00	3 mix	Burdick	295@55.50
2 blk	Gypsum	710@228.00	2 mix	Burdick	378@55.50
7 blk	Randolph	861@221.00	SPECIAL MONDAY COW SALE		
4 blk	Randolph	831@218.00	SPRING COWS		
7 mix	Salina	994@207.00	Age		
CALVES			66 red	3-5 yrs	\$3,175.00
1 blk	Glen Elder	290@900.00	20 blk	3-5 yrs	\$3,125.00
1 blk	Glen Elder	195@825.00	20 blk	3-5 yrs	\$3,110.00
1 blk	Glen Elder	185@825.00	60 blk	3-5 yrs	\$3,110.00
1 blk	Glen Elder	205@825.00	28 red	3-5 yrs	\$3,100.00
COWS			19 red	3-5 yrs	\$3,075.00
1 blk	Smolan	1170@127.00	14 blk	3-5 yrs	\$3,075.00
1 blk	Ellsworth	1255@126.00	6 blk	3-5 yrs	\$3,075.00
1 blk	Durham	1690@125.00	10 blk	3-5 yrs	\$3,060.00
1 blk	Ellsworth	1390@125.00	30 blk	3-5 yrs	\$3,050.00
2 blk	Barnard	1335@125.00	60 blk	3-5 yrs	\$3,050.00
2 bwf	Canton	1348@124.00	30 blk	3-5 yrs	\$3,035.00
1 blk	Barnard	1500@124.00	18 blk	3-5 yrs	\$3,025.00
1 bwf	Abilene	2010@124.00	33 blk	3-5 yrs	\$2,950.00
3 blk	Hope	1537@122.00	17 bwf	3-5 yrs	\$2,925.00

IN STOCK TODAY

• Tripp Hopper Feeders

• Heavy Duty Round Bale Feeders

EARLY CONSIGNMENTS FOR
THURSDAY, DECEMBER 4TH:

400 blk str & hfrs, 400-650 lbs.; 66 str & hfrs, 600-750 lbs.; 2 rnd vacc.; 76 str, 850 lbs.; 165 str, 785 lbs.; 40 str & hfrs, 500-650 lbs.; 62 blk str & hfrs, 850 lbs.; 125 mostly blk str, 900 lbs.; 60 str, 900 lbs.; 55 mostly blk str, 900 lbs.; 80 blk/red str & hfrs, 500-650 lbs., fall vacc.; 14 str, 700 lbs.

PLUS MANY MORE BY SALE TIME!

Livestock Commission Co., Inc.
Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

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

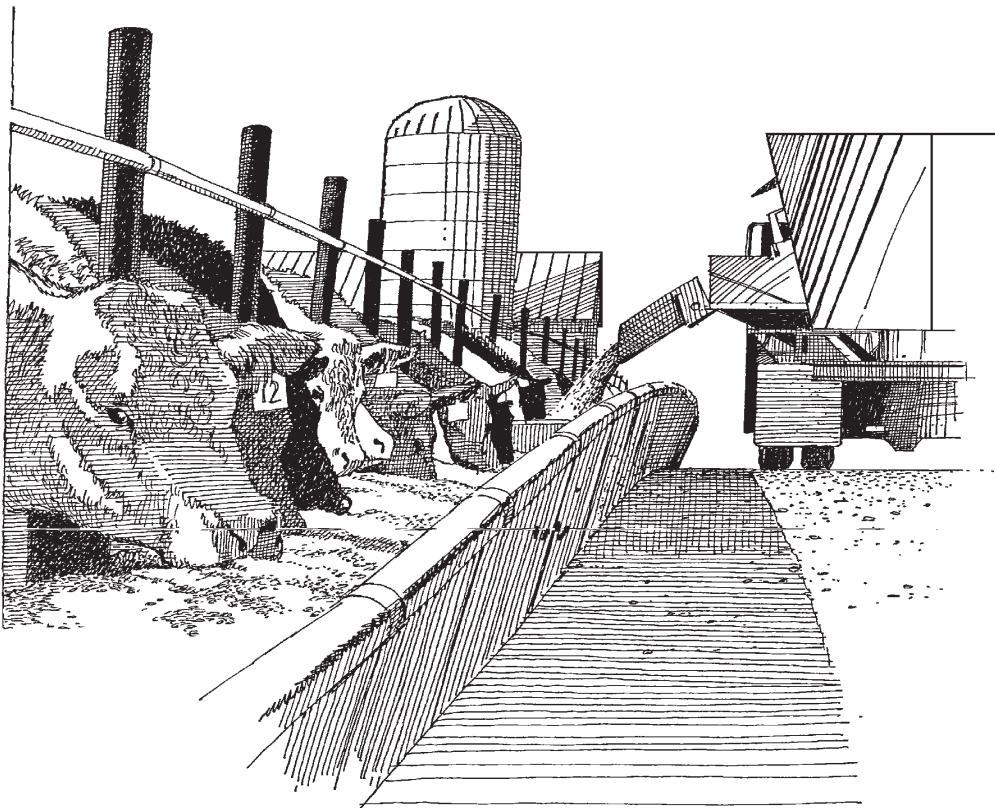
THURSDAY — CATTLE ONLY

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

— AUCTIONEERS —

KYLE ELWOOD, GARREN WALROD & RUSTY TAYLOR

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



EARLY CONSIGNMENTS FOR
TUESDAY, DECEMBER 16TH:

BRED HEIFERS: 20 blk hfrs, bred to Nelson Angus; 85 blk hfrs, OCHV'd, SD origin, bred to LBW Ohlde Angus bulls, pelvic examined, Jan 25th for 60 days; 40 blk/bwf hfrs, OCHV'd, pelvic measured, home raised, AI bred, start Feb. 1st for 45 days, clean up Green Garden Angus; 60 blk/bwf hfrs, OCHV'd, AI bred, start Feb. 1st for 45 days, clean up Green Garden Angus; 50 fancy blk hfrs, bred Angus, start Feb. 7th; 55 blk hfrs, OCHV'd, Montana origin, bred to LBW Angus, start Jan. 25th for 55 days; 40 blk/bwf hfrs, no origin or home raised, bred blk; 20 blk hfrs, OCHV'd, home raised, bred LBW Don Johnson Angus bulls, start Feb. 1st; 70 blk Angus hfrs, NE origin, start Feb. 21st for 60 days; 70 blk/bwf AI bred hfrs; 30 red Angus AI bred hfrs; 20 blk Angus hfrs; 25 blk hfrs, bred to registered blk Angus, start Feb. 25th; 45 blk hfrs, OCHV'd, bred to LBW Angus bulls; 98 blk hfrs, bred blk; 85 blk hfrs, AI bred to Power Tool and Data Manager, cleaned up with LBW Angus, 60 day calving period.

COWS: 50 blk cows, 3 yrs, spring bred to sons of Steel Fame blk simm; 50 blk cows, 3-6 yrs, bred Angus; 80 blk cows, 7-10 yrs, bred Angus, start end Dec.; 12 blk cows, 3-5 yrs, bred Winney Angus Feb. calvers; 55 blk/red cows, 3-5 yrs, bred Angus Jan.-Feb. calvers; 55 mix cows, bred blk & char Feb. calvers; 40 blk cows, running age, bred blk; 30 running age spring bred cows; 80 mostly blk/bwf cows, 3-9 yrs, bred Winney Angus; 20) 3 yr old blk pairs, Green Garden calves; 15 running age cows, bred Angus, start Jan. 15; 65 blk cows, 6-10 yrs, bred Angus; 11/3 blk cows 3 running age, bred Angus or char.

PLUS MORE BY SALE TIME.

For Information or estimates, contact:

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

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

Jim Crowther
785-254-7385
Roxbury, KS

Lisa Long
620-553-2351
Ellsworth, KS

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November ag prices mixed

The preliminary November price received by farmers for winter wheat averaged \$5.61 per bushel, an increase of 4 cents from the October price according to the USDA's National Agricultural Statistics Service.

The preliminary November corn price, at \$3.71 per bushel, is unchanged from last month.

The preliminary November sorghum price averaged \$6.51 per cwt, an increase of 48 cents from October.

The preliminary November soybean price, at \$9.70 per bushel, is up 20 cents from last month.

The November alfalfa hay price, at \$157 per ton, is down \$13 from October. The other hay price, at \$99 per ton, is up \$1 from last month.

The preliminary November sunflower price is withheld to avoid disclosing data for individual operations.

Pig barns prep for more than frigid temperatures this winter

Last year as Jack Frost nipped across the United States, the swine industry saw an immense spike in Porcine Epidemic Diarrhea virus (PEDv) cases. With the absence of summer heat and dry conditions to keep the virus at bay, the disease spread through barns across 31 states. Now with a renewed focus on biosecurity measures and nutritional management, the industry hopes to reverse this costly trend and avoid another surge in PEDv infections.

“As an industry, our focus needs to be on making sure our animals are prepared for anything that may come their way this season,” said Russell Gilliam, U.S. swine business manager for Alltech. “However, the winter does bring some additional challenges that producers need to be aware of in order to protect their pigs.”

While there are many facets of pig production that need to be set up and continually monitored to prop-

erly shield pigs from exposure to viruses and diseases this winter, Gilliam recommends swine producers concentrate on these five production areas:

Herd flow – With potential risks for re-infection or spreading of the virus, it is essential to make sure there are proper check points for identifying infected animals and separating them from the rest of the herd. For example, conduct proper observance of the quarantine of replacement breeding stock with test and release procedures.

Cleanliness – Severe cold temperatures make it extremely difficult to wash, clean and disinfect. Ensure all areas are completely clean and dry before exposing them to new pigs.

Transportation – Animals coming in and going out are at risk for exposure by the transportation vehicles the operation is using. Guarantee their rides are completely clean and are from trusted sources that

understand your biosecurity protocols.

Employees – Examine foot traffic and implement proper biosecurity measures for employees to reduce risk as employees can often work in different barns and, in some cases, for different producers. Reduce/restrict points of entry to breeding facilities.

Nutrition – Animal performance is often dependent on feed quality and the performance of the feed itself. Include technologies in the feed that reduce the risk of pathogens and build immunity.

“Understanding the risk posed this winter is only part of the battle. The industry is more prepared than we were, but we can’t get complacent,” Gilliam said. “We need to keep improving methods for protecting our animals.”

For more information on how to prepare barns this winter, contact your local Alltech representative or visit Alltech.com.

Arm your silage with inoculants

Production of quality silage involves winning a war fought on a microscopic level between “armies” of microbes. Inoculants help reinforce the beneficial bacteria in this fight. These products are often lactic acid bacteria (LAB) that provide an efficient front-end fermentation to maintain feed quality and stability. There are many different LAB inoculants to choose from, and growers should select a product that fits:

1. The crop being ensiled,
2. Local conditions,
3. Farm practices and
4. Silage history.

“As a general rule of thumb, you can’t go wrong with an inoculant that drops the pH of the forage as quickly as possible, i.e., making a good fermentation better” says Renato Schmidt, Ph.D., Technical Services, Lallemand Animal Nutrition. “A rapid pH drop will help maximize dry matter and nutrient retention, plus it will minimize the risk of spoilage.”

To achieve a rapid pH drop, Dr. Schmidt recommends looking for homolactic LAB strains such as *Pediococcus pentosaceus*, *P. acidilactici* and *Lactobacillus plantarum* that are proven to convert sugars efficiently to lactic acid.

Next, it’s important to ensure the LAB are not limited for their own food supply, Dr. Schmidt recommends. A good inoculant will contain enzymes to help feed bacteria. Also, using the right number of colony-forming units (CFUs) per gram of forage will ensure there are sufficient amounts of “good” microbes that can help growers win

the fermentation battle. Look for an application rate of 100,000 CFUs or greater for front-end fermentation inoculants. This is the minimum level, as recognized by university researchers, and is based on using strains proven to dominate the fermentation when used at this level, Dr. Schmidt adds.

Third, it’s important to consider the specific crop to be fermented and the harvest conditions. For example, ensiling wet hay crops can easily lead to growth of clostridia and a butyric fermentation. Choosing an inoculant proven to inhibit these types of undesirable fermentations can keep the resulting forage safe to feed.

“In addition, a farm’s specific silage challenges can help determine the best inoculant choice,” Dr. Schmidt says. “High-moisture corn or slow feedout rates may suggest an inoculant proven to increase aerobic stability is required to prevent spoilage yeasts.”

For example, L. buchneri 40788 is the only bacteria reviewed by the FDA and allowed to claim improved aerobic stability. Products combining L. buchneri combined with homolactic bacteria can help control the initial ensiling fermentation and keep the feed stable through feeding.


“A forage inoculant is a small investment that can help save many tons of dry matter and improve safety and hygienic quality of the resulting silage,” Dr. Schmidt says. “Starting with quality forage and using good management practices — combined with a proven inoculant — can contribute significantly to productivity and profitability.”



The Gelbvieh champion intermediate heifer calf at the American Royal Gelbvieh and Balancer Show was BARG Dixie 313A, owned by Van Tucker, Portis; Sire: X-Factor 673X ET.



The Balancer champion senior bull calf at the American Royal Gelbvieh and Balancer Show was AHL Forever Ladies Man, owned by Triple K Gelbvieh, Bonner Springs; Sire: Kesslers Frontman R001.



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Apply to attend the Young Cattlemen’s Conference

For the 14th year, the Angus Foundation will sponsor one individual to attend the National Cattlemen’s Beef Association (NCBA) Young Cattlemen’s Conference (YCC). The application deadline is Jan. 10, 2015, and the application can be found on the Angus Foundation website.

YCC offers young leaders the chance to see first-hand and better understand all aspects of the beef industry. Attendees participate in a nationwide tour of the beef production chain from the ranch to the feedlot and to the packing plant, through marketing and regulatory affairs, and finally ending at consumer foodservice.

“Our sponsorship of one individual each year enables the Angus breed to have a representative who can then share the information they learned with their fellow Angus breeders,” says Milford Jenkins, Angus Foundation president. “This is a positive educational experience for those who attend, and we are glad we have the ability to sponsor a Angus breeder each year.”

The Angus Foundation’s sponsorship covers travel costs and registration fees. The applicant must be between 25 to 50-years-old and must also be a member of the NCBA. Julie Ellingson, a fourth-generation Angus breeder from St. Anthony, N.D., represented the Angus Foundation during the 2014 YCC and encourages cattlemen to take hold of the opportunity to attend.

“YCC is an excellent opportunity to network with other young industry professionals while learning about the opportunities and challenges that beef producers across the country face daily,” Ellingson said.

For more information on YCC, the Angus Foundation or a list of previous Angus YCC participants, visit www.angusfoundation.org.

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2014 APHA World Championship Show generates more entries, big money & top competition

The American Paint Horse Association recently celebrated the successful conclusion of its annual APHA World Championship Show, which took place November 5-15 in Fort Worth, Texas. The 50th anniversary of the world's premier Paint Horse show featured a number of landmark events and new classes, and numbers were up across the board.

Nearly 1,000 Paint Horses gathered at the Will Rogers Memorial Center to compete in 265 classes during the 11-day World Show, which featured 180 world championship classes along with other added-money, futurity and other special

events. Owners & exhibitors represented 42 U.S. states plus Canada, Australia, Mexico, Poland and Paraguay.

The show boasted nearly 2,800 entries, competing for more than \$500,000 in cash and prizes. Total entries were up more than 8 percent and total horses increased by 4.8 percent, when compared to 2013 numbers. A total of 306 unique horses and 276 unique exhibitors were named champions or reserve champions at this year's World Show.

"This year's World Show was something special – not only did we see an increase

in horses and entries, but we also were able to showcase some new exciting events and experienced a renewed energy and enthusiasm at the show from all that participated," APHA Senior Director of Shows Holly Slaughter said. "It was an exciting time for us and we plan to continue to build on this for years to come."

New for 2014

This year's APHA World Show featured a number of new classes, which were well-received across the board.

Six Amateur Walk-Trot classes made their debut at the 2014 show; designed for non-professional exhibitors who are new to competing as well as horses or exhibitors facing personal limitations that might prohibit loping, this new division has been a hit, and the World Show was no exception. Amateur Solid Paint-Bred classes were expanded as well; six new classes for non-professionals exhibiting solid-colored Paint Horses were added based on participation numbers in Open classes.

The popular Paint Barrel Racing Incentive Program returned to the show as well, paying out nearly \$15,000. This year, PBRIP futurities gave 4- and 5-year-old speedsters a chance to earn additional cash, too. APHA Corporate Partner Farnam generously sponsored a \$3,000 fastest-time bonus in the PBRIP Sweepstakes and a \$1,000 fastest

time bonus in the PBRIP futurities. Big winners included Cortney Morris, who took home more than \$5,000 for wins in both the PBRIP Regular Registry and Solid Paint-Bred Sweepstakes classes aboard Streakin Lineage and Classy Freckled Lady.

One of the most popular additions was a slate of ranch horse-focused events: Amateur and Open Ranch Horse Pleasure and a Ranch Horse Trail Sweepstakes class. APHA and Farnam added \$1,750 to the Open and Amateur Ranch Horse Pleasure classes, and APHA added \$1,000 to the Ranch Horse Trail Sweepstakes. Nonie Casselman-Reed won both Ranch Horse Pleasure classes aboard Zeena Lena, her 2009 bay overo mare.

The \$50,000+ Farnam

The popular Farnam Pleasure Stakes classes returned to the World Show with a twist; in addition to the 2-year-old Western pleasure and hunter under saddle stakes classes, the schedule also included new classes in each event for eligible 3- and 4-year-old horses and their non-pro exhibitors.

Mike Hachtel and A Jellybean Impulse were the

picture of consistency November 8, and that helped them take home a paycheck worth nearly \$11,500 in the Farnam 2-Year-Old Western Pleasure Stakes. The 2012 chestnut overo gelding by A Scenic Impulse and out of Sensational Lollipop was bred and is owned by Debi and Loren East of Bountiful, Utah. Overall, the 16-horse class featured a purse worth more than \$35,000.

In the inaugural Farnam Non-Pro 3- & 4-Year-Old Western Pleasure Stakes, Carlee McDuffie of Morganton, North Carolina, piloted Get The Sensation to the win and a \$6,125 payday. The new non-pro class paid out more than \$13,600.

The Farnam 2-Year-Old Hunter Under Saddle Stakes and inaugural 3- and 4-Year-Old Hunter Under Saddle Stakes took place November 7. All Ways A Diva and Katy Jo Zuidema took home more than \$6,300 for their win in the Farnam 2-Year-Old Hunter Under Saddle Stakes, which paid out more than \$14,000. The 2012 bay overo mare is by All Time Fancy and out of Future Diva, and was bred and is owned by James Jorgensen.

Classy Invitation, a 2011

sorrel overo mare by Ultimate Charisma and out of Pretty Invitation, won the inaugural Non-Pro 3- and 4-Year-Old Hunter Under Saddle Stakes with Beth Yoak of Grove City, Ohio. They took home \$1,550.

A Super Sale

Another highly anticipated World Show tradition, the Farnam Breeders' Trust Select Sale didn't disappoint. Forty-four Paints went through the West Sale Arena on November 9; most were part of the Farnam Yearling Stakes Session, which makes the horses eligible for the Farnam Pleasure Stakes events as 2-, 3- and 4-year-olds.

High-selling horse A Scenic Ride, a 2013 sorrel overo stallion by A Scenic Impulse and out of A Sensational Zippo, brought a bid of \$67,000—the sale's second-highest topper of all time. Consigned by breeders Stanley and Susan Scott of Ocala, Florida, the yearling was purchased by Michele Martindale, who hopes to bring the colt back with trainer Richard Spinks for next year's competition.

Roping a Win

APHA once again partnered with the United States Team Roping Championships to offer the Cowntown ShootOut, a premier all-breed roping event with special Paint incentives, on the final weekend of the World Show. Drawing an estimated 1,100 teams, ropers aboard registered Paint Horses also vied for \$5,000 in bonus payouts.

Caleb Butler of Decatur, Texas, won the 5 & under category aboard Dashin Okie, his 2001 brown tobiano gelding. Cole Davison of Hico, Texas, was the winning owner in the 6 & up roping; his 1999 sorrel tobiano stallion Hickory Doc Flyer was the highest-placing Paint in that category with roper Thomas Zuniga.

Top of the Class

Eight all-around and high-point awards were presented at the 2014 APHA World Show, and the race for the premier title—the All-Around Horse award—came down to the show's final class. Rolex Bar Twister, a 2005 bay tobiano stallion owned and bred by Ronald and Marie Kettle of Craig, Colorado, once again turned in dominant performances in a number of events and secured his second-consecutive All-Around Horse title.

For his win, Rolex Bar Twister was awarded one year's use of a three-horse Hart Trailer, \$1,000 cash and a number of other awards. Other big winners included Gay Bar Lucky Jac (High-Point Western Horse and Oscar Crigler Cattle Award), All Rise (High-Point English Horse), MJ Watch Yer Six (Super Gelding), Jack Wright (High-Point Exhibitor), Ashley Wildes (All-Around Classic Amateur), Coleen Bull (All-Around Masters Amateur) and Emma Stubblefield (All-Around Novice Amateur).

More information about the 2014 APHA World Championship Show and its winners can be found at oawcs.apha.com.

Extension beef producer meeting scheduled for December 8th in Abilene

Cattle producers will have an opportunity to hear the latest in health and nutrition for both starting feeder calves and preparing the cow herd for winter calving on Monday, December 8th, at Sterl Hall in Abilene.

Featured speakers will include Gregg Hanzlicek, DVM, from the K-State Veterinary Diagnostic Laboratory and Dr. Dale Blasi, K-State beef specialist. Special emphasis will be placed on high-risk feeder calves as well as calving season considerations.

A highlight of the evening will be a moderated producer panel in which long-time cattle feeders will share their experiences starting calves. Each member of the panel has a different type of operation and will bring a unique perspective to the discussion. This will be an excellent opportunity to hear ideas and ask questions.

Registration will begin at 6:00 p.m. followed by a brisket dinner at 6:30 p.m. sponsored by Pinnacle Bank in Abilene. Presentations will begin promptly at 7:00 p.m. Cost to attend is \$5/person. Please RSVP to the Dickinson County Extension Office at 785-263-2001, or LLMarks@ksu.edu by Friday, December 5th.

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Balancer Reserve Junior Bull Calf at the American Royal Gelbvieh and Balancer Show was AHL Paradise 430B, owned by LeDoux Ranch, Agenda; Sire: AHL Redemption 237Z.



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Replacement Type Heifers:

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110 rd Angus (30 rwf F-1) B.V., not topped, some AI sired, 475-575 lbs.Flying D (DeNaeyer) #4
90 blk, NI, Angus sired, 500-550 lbs.	.....Doughboy LLC #4
170 blk & Angus, NI, sired by R & D Angus, 450-525 lbs.	.....Bob Carr & Sons #4
100 blk, B.V., not topped, 550-575 lbs.	.....Aaron Galloway #4
40 Angus & blk B.V., Risse & Nichols, 600-650 lbs.	.....Kevin & Diane Vandermeij #4
37 blk, NI, B.V., not topped, 625-650 lbs.	.....Duane & Mark Sedlacek #4
20 Angus, top end kind, 630 lbs.	.....Warren Dorsey

Weaned Calves:

310 Hereford & bwf (210s-100h) NI, 450-625 lbs.	.....Wolfenden Herefords #4
165 rd Angus str, NI, Cross Diamond sired, 500-650 lbs.	.....Stump Cattle Co. #4
130 rd, rd-x (70s-60h) NI, 475-600 lbs.	.....47 Ranch Co.
160 Angus str, Baldridge genetics, NHTC, 700 lbs.	.....Brush Creek Rn #4
120 Angus & blk str, NI, 1 ld @ 725 lbs., Risse & Nichols, 625-725 lbs.	.....Kevin & Diane Vandermeij #4
140 blk & Angus str, Risse Angus sired, 600-700 lbs.	.....Leo Goss #4
85 blk str, NI, 1 ld, Fancy, 625-650 lbs.	.....Larry, Danny & Craig O'Kief #4
170 blk, blk-x, few rd (100s-70h) NI, 400-600 lbs.	.....Kevin, Clete & Cort Scheer #3
119 blk, few bwf (74s-45h), 550-625 lbs.	.....Hughes & Naprstek
100 blk, few bwf str, NI, 500-625 lbs.	.....John & Cort Hamilton #4
90 blk str, NI, 500-625 lbs.	.....Steve Brucklander #4
80 blk, few bwf str, 500-625 lbs.	.....Bar 11 Ranch Co. #4
45 char-x & blk str, NI, 625-650 lbs.	.....Rocking Arrow & Churchill #4
62 blk, NI, Baldridge genetics, NHTC, 550-650 lbs.	.....Morrison, Morrison & Clark #4
60 blk, few rd (30s-30h) NI on hfrs, 450-600 lbs.	.....Pearson L/C #4
60 blk, NI, 550-600 lbs.	.....Don Grunhaupt #4
60 blk, few bwf, 600-725 lbs.	.....Justin Hammond #3
25 blk, bwf, few rd (11s-14h), 425-525 lbs.	.....Justin & Terri Albert #4
27 blk, bwf NI, 300-350 lbs.	.....Swensen Ranch

Unweaned Calves:

110 blk, few rd str, NI, 550-600 lbs.	.....Duane Tate #4
70 char-x, 500-625 lbs.Richard & Becky Schunk #2

Yearlings:

320 blk & char-x (88 hd) str, NI in 2014, 900-1050 lbs.Leland Pauly
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Schwieterman Market Outlook

A marketing commentary by Bret Crotts

Despite lackluster export sales and a strong dollar, the wheat market was the big winner of Thanksgiving week. There really isn't much bullish information out there right now other than the crop condition ratings did decline and the outlook for moisture in the HRW Belt is still poor. Other than that we have the fact that the Paris Milling wheat has been trending higher since mid-September, which allows U.S.

wheat to move higher without being in any worse position in the world market.

The result of all this has been multi-month highs in US wheat futures and a new upside target for the Kansas City wheat contract up around the \$6.50 area. One cannot deny that the charts look friendly, so if you feel the need to be a seller, be patient and wait for a good technical signal.

Both the corn and soybeans look like they are trying

to form a head and shoulders top on the chart, but it seems that there is still a lot of buying interest and nervousness in the market. It certainly helps the bullish case when demand is strong for the corn and soybeans, not to mention the grain sorghum, which the Chinese are buying up very rapidly. However, the charts look negative and the sell off on Friday, especially in the soybeans make a top look likely. A top at this

juncture would suggest a move back to the harvest lows in both the corn and soybeans. Continued strong demand may change that outlook, but right now the charts suggest weakness.

It seems like there is often pressure in the cattle market as we head into option expiration and first notice day for the December live cattle contract and this year seems to be working out that way. The fundamentals still look very promising for yet another round of new highs in the cattle at some point, but in the short run it appears that the market has lost momentum and is going to see a setback. It seems very likely that before we get another leg higher underway we will let the December options expire so all those call op-

tions at \$170 or higher will expire worthless.

Look for the February live cattle contract to pull back to the \$165-\$166 level in the near future, at which point the market is probably a buy again. The January feeder cattle are currently consolidating around the 50-day moving average, which may be enough pressure for the time being. The market is at a hefty discount to the feeder index, so there may not be much incentive to sell the feeders, especially if the corn drops off.

Schwieterman Marketing, L.L.C. specializes in risk management and cash grain and livestock marketing plans. For information on the markets or our marketing service you can contact Bret Crotts at 888-437-9131 or bret@swbell.net.

The information contained herein is based on data obtained from recognized statistical services and other sources believed to be reliable. However, we have not verified such information and we do not make any representations as to the accuracy or completeness. Past results are not necessarily indicative of future results. All statements contained herein are current opinions, which are subject to change. The risk of loss in trading commodity future contracts is substantial. You should therefore carefully consider whether such trading is suitable for you in light of your financial condition. Neither the information, nor any opinion expressed shall be construed as an offer to buy or sell any futures or options on futures contracts.

Cattle handling & livestock facilities topic of Dec. 16 workshop

By Anthony N. Ruiz, Central Kansas District Livestock Production Agent

Have you ever tried to out-think a cow? I freely admit I've tried that several times. What I won't admit is how many times a bovine has out-thunk me. Add the facts that cattle can outrun and overpower you and bovine make formidable foes.

Instead of working against cattle what about working with them? I like my coffee black, prefer group settings, and drive defensively. Cattle, like me, have preferences. Part of this comes from being herd animals and part is because they are prey animals. As a species in general cattle have unique behavior patterns producers can identify and manage accordingly. This leads to working with cattle instead of against them.

My first memory of working against cattle is at my grandpa's farm. Grandpa had a working "set-up" with 90 degree angles and lots of iffy equipment. By iffy I mean, "If he doesn't throw too much of a fit it should hold together." Man, those were the days. All livestock producers now have state of the art facilities where cattle naturally flow into and through. Right?

Central Kansas Extension District is hosting a Cattle Handling and Livestock Facilities Workshop in Minneapolis Tuesday, December 16 from 2 p.m. until 5 p.m. in the Ottawa County Courthouse basement. If you are a livestock producer interested in working with cattle instead of against them or looking for beneficial advice, tips, and designs for new or existing handling facilities this workshop is just for you.

Dr. Lindsey Hulbert, K-State Animal Sciences and Industry professor, will begin the workshop discussing cattle handling tips and techniques. Dr. Hulbert has a wide array of experience in animal behavior and handling. Pat Murphy will present corral and facility design advice from his years of working with producers through research and Extension in the Biological and Agricultural Engineering Department. Both will provide insight and expertise into enhancing your livestock handling skills and facilities.

When I'm out in the country talking farms and ranches three problems routinely face our producers: they are nearing retirement age, uncertainty of who will take over their operation, and they struggle to find good help. USDA 2012 Agricultural Census data tells us the average U.S. producer is

58.3 years old. At what age does operating a manual squeeze chute become unentertaining? When does pre-checking 100 head of cows become laborious? Only you can answer these questions. The numbers show us the average producer is getting older. Better techniques and facilities can make cattle handling tasks easier, quicker, and safer for you.

I'm a millennial. My generation loves technology and making things easier. Tradition and nostalgia don't rank high on our priorities list. I've had the privilege of meeting cattlemen and women across this country. One question they never seem to have a solid answer for is, "Who will take over your operation?" Large producers down to the weekend warriors struggle for an answer. The kids got jobs in town and neighbors have the same prob-

lem. My generation does not warmly remember the long hours, yelling, and jammed fingers of yesteryear's roundups. If we are to attract the next generation, we may need to add some "curb appeal." Better techniques and facilities can make cattle handling tasks easier, quicker, and safer for you.

Once I heard a football coach lamenting over increased weight training requirements. He believed the football players needed more time in the gym because they didn't spend all summer hauling hay as they had a decade or two ago. That technology my generation so dearly loves has given us bigger round bales and larger, more efficient equipment. Skid steers now scoop and haul the grain in thirty minutes that it would have taken two teenagers an entire day to transport. Jobs in town now pay just as good

and usually have air conditioning. We see fewer and fewer folks willing to sweat it out in the summer or numb it out in the winter. It's hard to find good help. When help is limited we can turn to those bigger machines and better equipment to compensate. Whether hauling hay or vaccinating calves, embracing technology can benefit your operation. Better techniques and facilities can make cattle handling tasks easier, quicker, and safer for you.

On December 16 from 2 p.m. to 5 p.m. in the Ottawa County Courthouse basement in Minneapolis, Kansas livestock producers are invited to learn from the best how to handle cattle more effectively and enhance their facilities. The registration is only \$15 per person due in our office by

Tuesday, December 9. We will serve refreshments and a light snack. As part of your registration you will be given a booklet of useful designs, articles, and illustrations for concepts and structures discussed during the presentations. For questions or more information

please feel free to call or email Anthony N. Ruiz at 785-392-2147 or anruiz@ksu.edu. We are excited to bring this workshop to you. Remember, better techniques and facilities can make cattle handling tasks easier, quicker, and safer for you.



Balancer reserve senior bull calf at the American Royal Gelbvieh and Balancer Show was KKKG Triple K Alan, owned by Triple K Gelbvieh, Bonner Springs; Sire: CIRS 12LW ET.

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'72 JD 4020 • '72 JD 4320 • '67 JD 5020 • '68 JD 5020



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Saturday, December 6, 2014

Pratt Livestock, Pratt, Kansas • 1 p.m.

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including approximately

- 170 Bred Cows and Pairs
- 460 Bred Heifers • 330 Open Heifers



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www.kansasangus.org

For information on the cattle offering
Contact Gordon Stucky, Sale Chairman
620-532-4122

Kansas Hay Market Report

Temperatures have returned to more seasonable, light rain fell over most of the eastern half of Kansas, the heaviest amounts were farthest east. Hay trade slow to moderate. Demand moderate for dairy alfalfa and alfalfa pellets, light to moderate for grinding alfalfa and grass hay. Fall harvest and baling activities are wrapping up. NASS latest figures show the national alfalfa production up 12 percent from 2013 with the biggest increase in the plains and western states. If you have hay for sale or pasture to rent or need hay or grazing, use the services of the Hay and Pasture Exchange: www.kfb.org/commodities/haypasture/index.html

Southwest Kansas
 Dairy and grinding alfalfa steady. Movement moderate for ground alfalfa, active for dairy alfalfa. Alfalfa, Horse, large squares 250.00, small squares 300.00, Clippings 320.00, some 8.00-11.00/bale. Dairy, Supreme 220.00-250.00; Premium 200.00-230.00; Dry Cow, Good 165.00-170.00, a little 150.00 shipped in. Fair-Good grinding alfalfa, at the edge of the



John Keller, left, St. Francis, was named the 2014 “Contributor Award” recipient at the 24th annual Fink Beef Genetics Bull Sale in Randolph, held on October 29, 2014. Megan Fink presented the award to John prior to the start of the sale. John’s encouragement to add the Charolais as a second breed in 1999 was the deciding factor for this award. This year, 195 head of Angus fall yearling bulls and 141 head of Charolais fall yearling bulls were sold into 17 states.

Photo by Kim Hoffman

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Beatrice Livestock Sales

SPECIAL BRED COW & HEIFER SALE

THURSDAY, DEC. 11, 2014

11:00 AM SHARP

55 Red Ang 1st Calf Hfr, Bred Connealy Reflection & Emblazon Blk Angus, Scour Gaurd, Vacc, Calve Mar 1, Broken Chain Ranch, Montana Origin Heifers

30 Blk Ang 1st Calf Bred Hfr, Bred Connealy Thunder & Styles Upgrade Sons Blk Ang, Calve Jan 1, Scour Guard

10 Blk Ang 1st Calf Bred Hfr, Bred Blk Ang LBW, OCV, Calve Feb 1

46 Blk Ang 1st Calf Bred Hfr, Bred A I Blk Ang - ABS Frontman Son, Calve Feb 23, OCV, Scour Gaurd & Poured

8 Reg Blk Ang 1st Calf Hfr, Al Bred Connealy Counselor, Rito 9Q13 of Rita, Data Manager & VAR Discovery, Calve Feb 12

5 Blk Ang 1st Calf Hfr, Al Bred Mohnen Long Distance, Vacc, Preg Gaurd 10 & Poured, Calve Feb 17

28 Blk Ang 1st Calf Hfr, Al Bred ABS Brilliance, Synchronized for Jan 19, OCV, Scour Gaurd, Blk Leg, Poured

9 Blk Ang 1st Calf Hfr, Bred LHT Simm Ang, Bismark Son, Calve Jan 8, Scour Gaurd

55 Bwf 1st Calf Hfr, Bred Mercedes Benz Son (1/4 Maine - 3/4 Ang & Doc Blk Ang, 68# BW, Vacc-Poured-Scour Gaurd, Calve Jan 12

22 Blk 1st Calf Hfr, Al Bred 4-KC Blk Ang, 64# BW, Scour Guard, Poured, Calve Jan 20

7 F-1 Herf Ang 1st Calf Hfr, Bred Red Ang, 68# BW, Scour Guard

12 Blk-Red Simm Ang 1st Calf Hfr, Bred LHT Simm Ang Bismark Son, Calve Jan 8, Scour Guard

10 Blk-Bwf 1st Calf Hfr, Bred Connealy Onward Blk Ang, Calve Feb 10

70 Blk Ang 1st Calf Hfr, Nemaha Valley Ang Sired Hfr, Al Bred ABS Absolute Blk Ang (+14 CE), Synchronized to Calve Feb 14, 60-Day Calving Period, Blk Ang Clean up, Scour Guard

15 Blk Ang 1st Calf Hfr, Al Bred ABS Insure Blk Ang, Synchronized to Calve Feb 1, Pelvic, Scour Gaurd, Poured

3 Blk Ang Families, 4 Yr Old, 6-Week Old Blk Ang Calves

25 Blk-Bwf Bred Cows, 3 Yr Old, Bred Simm Ang Steel Force or Irish Whisky Blk Ang, Calve Jan 25

35 Blk Ang Bred Cows, 4 Yr Old, Bred Connealy Blk Ang, EID Tag, Scour Boss 9, Poured, Calve Feb 26

45 Blk & Red Bred Cows, 3-6 yr old, bred 3/4 Simm-1/4 Blk Ang, calve Jan 15

30 Blk Families, 1st Calf to Solid Mouth, Started Calving Sept 1

10 Blk Bred Cows, Solid Mouth, Bred Blk Simm Ang, Calve Jan 15

10 Blk Simm Ang Bred Cows, 4-7 yr old, bred Simm, 77# BW, calve Feb 1

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field or delivered in 100.00-120.00. Ground and delivered locally to feedlots and dairies, 140.00-180.00. The week of 11/17-22, 8,386T of grinding alfalfa and 2,955T of dairy alfalfa were delivered. Straw, Good, large bales 60.00-75.00, mostly 70.00 or 80.00-95.00 delivered. Corn stalks 50.00-60.00, ground and delivered 78.00-102.00. CRP, Good, large rounds 70.00, Fair 60.00-65.00. Cane or BMR Sudan, Good large bales 70.00-80.00.

South Central Kansas
 Dairy and grinding alfalfa and alfalfa pellets steady. Movement moderate. Alfalfa: Horse, large squares 245.00-270.00, small squares 280.00 or 9.00/bale Dairy, Supreme 230.00-250.00, Clippings to 270.00; Premium 205.00-230.00; Dry Cow, Good 145.00-170.00; Fair-Good grinding alfalfa at the edge of the field 100.00-120.00; Utility-Fair 90.00-100.00. Ground and delivered locally to feedlots, 145.00-180.00. The week of 11/17-22, 4,584T of grinding alfalfa and 1,400T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 190.00-210.00, 17 pct protein 200.00-225.00; Dehydrated 17 pct 274.00. Straw, Good, large bales 60.00-70.00. Cane or BMR Sudan, Good large bales 70.00-85.00, with hi-nitrates 60.00-70.00, Fair quality 60.00-65.00.

Southeast Kansas
 Alfalfa, prairie hay and brome steady. Movement slow to moderate. Alfalfa: Horse or Goat, mid squares 250.00; Dairy, Premium and Supreme 1.05/point RFV; Stock Cow, Good, 165.00. Bluestem: Good, small squares, 120.00-145.00, mid and large squares 90.00-110.00, mostly 90.00-100.00, large rounds 60.00-75.00, Fair 50.00-60.00; Brome: Good, Small squares 130.00-155.00, mid and large squares 115.00-135.00, large rounds 60.00-80.00. Grass Mulch CWF, large round 50.00-60.00. Straw, Good, large bales 60.00-70.00.

Northwest Kansas
 Grinding alfalfa steady. Movement slow to moderate. Alfalfa: Horse, Mid squares 250.00; Dairy, Supreme 250.00, Premium 200.00-220.00, Stock cow, Fair-Good, 1.00/point RFV.

EPA delays ethanol decision until 2015

(AP) — The Obama administration has said it is delaying a decision on whether to reduce the amount of ethanol in the nation’s fuel supply.

Last year the Environmental Protection Agency

proposed to reduce the amount of ethanol in fuel for the first time, acknowledging that a biofuel law that both Republicans and Democrats had championed nearly a decade ago was not working as well as expect-

ed.

Fair, Grinding alfalfa at the edge of the field 90.00-120.00. Ground and delivered to feedlots and dairies 145.00-180.00.
North Central-Northeast Kansas
 Dairy and grinding alfalfa and prairie hay and brome steady. Movement slow. Alfalfa: Horse, 300.00, some 8.00-9.00/small square bale; Dairy, Supreme 235.00-265.00; Premium, 210.00-235.00; Stock Cow, Fair-Good, 1.00/point RFV, Utility-Fair grinding alfalfa at the edge of the field, 90.00-120.00; Ground and delivered 145.00-170.00. Grass hay: Bluestem Good, small squares, 5.00-6.00/bale, 120.00-140.00, Mid squares 90.00-110.00, large rounds 50.00-70.00. Brome: Good, small squares, 6.00-7.00/bale, 130.00-150.00/T, Mid squares, 110.00-130.00, Good, large round, 25.00-50.00/bale, 60.00-80.00/T; CWF Grass mulch, large round 60.00-65.00. Straw, Good, small squares 4.00/bale or 4.50 delivered/bale; large bales 60.00-70.00/T. Sudan, Good large round 70.00-75.00, Fair 60.00-65.00.
 ***Prices are dollars per ton and FOB unless otherwise noted. Dairy alfalfa prices are for mid and large squares unless otherwise noted. Horse hay is in small squares unless otherwise noted. Prices are from the most recent sales. *CWF Certified Weed Free *RFV calculated using the Wis/Minn formula. **TDN calculated using the Western formula. Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter (TDN showing both 100% & 90%). Guidelines are to be used with visual appearance and intent of sale (usage). Source: Kansas Dept of Ag-USDA Market News Service, Dodge City, KS Steve Hessman, Rich Hruska, OIC (620) 227-8881

www.ams.usda.gov/mnreports/DC_GR310.txt
www.ams.usda.gov/lpsmarketnewspage
 The Kansas Hay Market Report is provided by the Kansas Department of Agriculture with technical oversight from the USDA Agricultural Marketing Service.



The Gelbvieh reserve spring heifer calf at the American Royal Gelbvieh and Balancer Show was VTT Miss Bella, owned by Van Tucker, Portis; Sire: JRI Pop A Top 197T83.

AUCTION

SATURDAY, DECEMBER 13 — 9:32 AM

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TR 2: E/2 SW/4 Sec 11-T32S-R1E - 78+/- ac tillable, 5+/- ac CRP
TR 3: S/2 SE/4 Sec 6-T32-R2E - 50+/- ac tillable, 23+/- ac pasture w/pond

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ed.

A final decision was due before the end of the year on the already-delayed standards, but the EPA said the final rule will now come in 2015.

The ethanol targets are required by a 2007 law that tried to address global warming, reduce dependence on foreign oil and boost the rural economy by requiring oil companies to blend billions of gallons of biofuels into gasoline annually. But lawmakers did not anticipate fuel economy would improve as much as it has in recent years, reducing overall demand for gasoline.

Meanwhile, next-generation biofuels, made from agricultural waste such as wood chips and corncobs, have not taken off as quickly as Congress had required and the Obama administration anticipated.

Last year's proposal to lower ethanol levels was not expected to mean much for consumers at the pump, but it angered corn growers and ethanol companies who have since lobbied the government to reverse it. Ethanol is primarily made from corn.

At least one ethanol industry group claimed victory at the latest delay, one of many that have plagued the ethanol rule as the EPA struggles to balance ethanol production and fuel demand.

"Today's announcement is a clear acknowledgement that the EPA's proposed rule was flawed from the beginning," said Tom Buis of the ethanol industry group Growth Energy.

The EPA said in a notice in the Federal Register that its 2013 proposal had "generated significant comment

and controversy," particularly in regard to meeting ambitious ethanol targets set forward in the 2007 law, known as the Renewable Fuel Standard.

The agency said it has been evaluating the comments in light of the Obama administration's "commitment to the goals of the statute to increase the use of renewable fuels."

President Barack Obama has championed biofuels since his days representing Illinois in the Senate, and his administration had resisted previous calls to lower biofuel volumes or repeal the law.

House Energy and Commerce Chairman Fred Upton, R-Mich., has said he wants his panel to review the Renewable Fuel Standard. Delay only adds to growing uncertainty and frustration, he said.

"This unexpected announcement highlights that there are still significant challenges facing the RFS and underscores the need to come together and find a practical, bipartisan solution," Upton added.

The American Fuel and Petrochemical Manufacturers, the companies that make gasoline and other fuels, said that the group will sue the EPA for not releasing the 2014 standards according to the timeline established by Congress. The group said Congress needs to "step in and repeal or significantly reform this badly broken program."

Jack Gerard, CEO of the oil and gas group American Petroleum Institute, said the delays are creating too much uncertainty for the industry.

"This is an example of government at its worst," Gerard said.

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