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## Soil testing changes with modern equipment

By Lucas Shivers

Soil tests profile the precise nutrient levels of a field. Yet, plant tissue sampling and sensor technology enhance this process to evaluate appropriate inputs like fertilizing and planting rates.

"Traditionally, soil testing was the primary means for determining fertilizer needs," said David Mengle, a K-State professor of soil fertility and nutrient management. "Quality control is vital via soil testing, and it translates to major dollars for producers." Mengle supervises the K-State Soil Testing Lab, an independent not-for-profit organization providing soil, plant, forage, grain and water tests for farmers, homeowners and researchers.

The lab performs testing on 250 samples on an average day, escalating to more than 400 on a rush day in fall or spring. Samples from across the state and region are mostly mailed to the lab, and results returned via email or phone call. Totalling more than 80,000 samples annually, producers turn to the lab for testing as a necessary part of their operation. "This is an appropriate tool for the way we farm in the Midwest," Mengle said. "It gives us a feel for what's out there in our fields and identifies major trends."

### Traditional Soil Testing

Originally dating back to Extension work in 1925, soil profile testing now mainly serves producers to assess levels of pH, phosphorus, potassium, nitrate, and organic matter. Other tests from the soil samples include calcium, magnesium, sodium, iron, zinc, copper, manganese, ammonium, sulfate, chloride, aluminum, texture, soluble salts and salt alkali. "With soil testing, we can make recommendations on how much will be re-

quired each year depending on the crop," Mengle said. "Bare minimum inputs save costs in fertilizers."

To build and maintain predictability, producers can ideally remove fertility as a variable. Like balancing a checkbook in his cropland, soil testing helped Lance Rezac, who grows mostly corn and soybeans in Pottawatomie County. "Practically, I want a good pH in the soil and optimal soil conditions for crop growth," Rezac said. "The next thing is phosphorous. We use manure to manage this nutrient. We look at potassium some, which is normally pretty good. We also look at organic matter, with high rates for some areas needing more weed control." Rezac works with his local fertilizer dealers to grid sample his cropland, creating a two to three acre grid with 10 samples aligned to the GPS units. "We get a good look at each field and then do variable rate applications for the fertilizers to find the right spots," Rezac said. "There is no use to over-fertilize any part of the field since it costs so much. We estimate that we save \$30 an acre or more." Rezac said it took several years of soil testing to gear up to the full scale of his whole operation.

"I grid sampled everything over time, but I'm on a rotation now," Rezac said. "I shoot for 25 percent a year. I've got my soils where I like them. I'm going in the right direction."

### Changing Trends

Compared to field crops, horticulture products and home gardens tend to be over fertilized. Mengle said producers on all levels want to get the best economic response from their land. "So the job is changing," Mengle said. Mengle said the trend in soil testing is moving from farms to cities, as well as with more regulations on water standards and monitoring. "We see shifts in some areas to put the screws on anything involving water discharge," he said. "There are new tough standards for water quality."

Many political decisions and benchmarks must be made affecting soil and water, including the disposal of wastewater and landfill discharge. "The engineers are going to have a field day to solve these challenges, and we'll be there to ensure soil tests come up with accurate tracking of leaching or runoff," Mengle said. "It's a real and true challenge we face for future generations." For example, the hypoxia zones in the Mississippi River delta in the Gulf of

Mexico have the largest algae bloom with more than 15,000 square miles of dead kills. Many lakes and ponds have set records with similar issues. "With fewer wetlands and more rivers being channeled, we may soon have our own food riots due to loss of top soil and mismanagement of fertilizers," Mengle said. "Soil testing is in the middle of it. We have an issue of doing a better job and improving things."

### Advances in Technology

New advances serve producers with crops in the field by testing plant tissue samples including results in nitrogen, phosphorus, potassium, calcium, magnesium, zinc, iron, copper, manganese and chloride. "Every two weeks, we pull a leaf sample off the corn to see deficiencies on many trace elements," Rezac said. "It turns out that we were low in nitrogen about the third week of June last year. We changed to spring applications rather than fall and the next year, and we lasted until July. I want to do more tissue samples soon."

Like tissue sampling, sen-

sors encompass advances to find the most accurate and non-intrusive methods of sampling. "We're also looking at new forms of technology, and one of the most promising is sensors," Mengle said. Sensors direct a concentrated beam of light through a leaf and the pigments from photosynthesis absorb or reflect parts of the light spectrum. The more green color in the plant, the more light is absorbed. "This sensor tool is used to estimate biomass and determine how much fertilizer to apply at key points in growing season when the crops are in the ground," he said. In the past, sensors hung in backpacks or were pulled as a piece of equipment, but now handheld prototypes fit in a pocket or palm.

"The technology is far enough along to be affordable for mass markets at a reasonable size," Mengle said. "These units measure greenness by using the same wavelengths as larger commercial units used to do years ago."

For example, if fertilizers are applied right before corn tassels, measured by sensor

technology, Mengle said producers could increase yields by 30 bushels per acre. "Sensors can tell us right away 'Oops, you need

more' or 'No, you have enough here,'" Mengle said. "It's easy to adapt, and it looks to be the next step in the future of testing."



Lab assistants at the K-State Soil Testing Lab measure soil samples and run tests on various nutrients to create a specific soil profile. Photo by Lucas Shivers



Kansas governor Sam Brownback welcomes State Fair attendees to the Farm Forum on Saturday, September 10. Seated are Sens. Pat Roberts and Jerry Moran along with Rep. Tim Huelskamp. Photo by Donna Sullivan

## From the Farm Bill to free trade, legislators address concerns at the Kansas State Fair

By Donna Sullivan, Editor

Over-regulation, budget issues and the new Farm Bill were among the topics of the day at the Kansas State Fair on September 10. Kansas Farm Bureau hosted the Ag Leadership Breakfast, where Sens. Pat Roberts and Jerry Moran along with First District Rep. Tim Huelskamp addressed the concerns they had been hearing from their constituents. Later at the Farm Forum, hosted by WIBW Radio, the representatives addressed these and other questions brought by industry representatives.

Roberts, who has recently been on a listening tour, told of the frustrations he hears from producers. "I can't go anywhere without someone bringing up regulations and saying 'What are you guys doing up there?' I tell them, I'm not a 'you-guy,' I'm an 'us-guy.'" Roberts has introduced the Regulatory Reform Act to address the burgeoning list of regulations coming out of Washington.

Huelskamp is one of only 12 ag producers in Congress. "That means there are 423 members of Congress who need a

little bit of education about agriculture," he said. "They are serious about what they want to regulate and I'm serious about standing in their way."

When it comes to the Farm Bill, Roberts said he resents the 12-member Super Committee being tasked with making cuts to the Senate Ag Committee's budget. "We have a certain amount of expertise, as do members of other committees," he said. "Give us a number and let us make the cuts." Later, Roberts continued his appeal. "Let us do the cutting with a scalpel and not a Lizzie Borden axe," he said.

Protecting crop insurance is a priority for all three of the legislators. Moran spoke of the two \$6 billion cuts crop insurance has already taken in the past. "Crop insurance matters in our ability to get young farmers back on the farm, and our ability to borrow money at the bank," he said.

Passing the Free Trade Agreements that are currently in limbo is important to Huelskamp. "I haven't met a farmer yet that wouldn't rather sell more things and get to profitability that way," he said. "That's why those FTAs are so important."

# Reflections

from  
*Young Farmers & Ranchers*

I canned peach honey about a week ago. Now, for those who know me, one of many reactions may have just occurred when you read that statement:

1) A quiet jaw-drop. It's okay. And thank you for being discreet.

2) Full-fledged laughter. Go ahead; laughter is good for the soul. I just won't be sharing any with you.

3) "Really? It wasn't all that long ago she avowed she would never can a thing in her life."

4) "When does she have time for canning?"

5) "Atta girl."

For those who don't know me, I'll explain. My

memories of canning are quite vivid: homemade ketchup, zucchini relish, both sweet and dill cucumber pickles, pickled beets, green beans and salsa (which my brother Allen and I ate with every meal – sometimes just with a spoon). I'm really not a ketchup fan, in general, and zucchini relish was not my favorite, but everything else I loved. Yes, even the beets. So I should have good memories of canning, right? Well, not really. The kitchen was hot, where Mom and/or Grandma Mary Lou spent hours working, there were large pots – some with gauges and threats of ex-

plosion, or something along that line – and my brothers and I were often asked to stop playing and help prepare something for the long day ahead.

The negative memories kind of outweighed the good. In fact, I developed a fear of canning; big time. I was scared to can. In recent years, however, I started finding that some of my friends do it. At first I held them on pedestals. "Wow, I can't believe they find time to do that!" or "They are so strong. I wish I was like that."

Do you know what it took for me trying canning for the first time? A simple recipe. I'm a big fan of Paula Deen from the Food Network. She's a very confident Southern cook who makes everything seem easy and usually tastes delicious. She posted a recipe for peach honey on Facebook. It was a very simple one which even explained how to do a hot water bath to seal and

sterilize the jars better.

So, I headed to Walmart and purchased some cute little half-pint jars and just did it. It was easy, my kitchen smelled amazing, and I got to experience the satisfaction of not only knowing I'd actually canned something, but of hearing the jars seal one at a time in the next room while my kids and I hung out in the living room. I was elated each time I heard one of those lids pop. I also got to see the pride in my family members' responses when I delivered peach honey to them in pretty little jars. Yes, they were surprised, but happy I shared and proud that I did it. My Grandma Ila's reaction was the best; she was so proud, it made her a little giggly. And though my Grandma Mary Lou is no longer here for me to share with, I can already hear her exclamations, with both surprise and pride.

If you have something you're avoiding or putting off because you're afraid, find the "Paula Deen" inside you. There may be a simple recipe in there to give you the courage to do it. If nothing else, at least you'll know you tried!

# Prairie Ponderings

By Donna Sullivan

I remember back when I was about ten years old, I told my parents I wanted to take dance lessons.

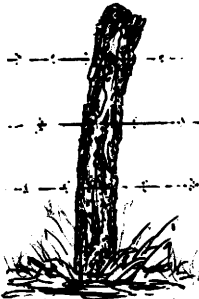
"Donna," my Dad replied. "Trying to teach you to dance would be like trying to teach a rhinoceros to climb a tree."

Now, before you deem my father unusually cruel and highly detrimental to the self-esteem of a youngster, you should know that after a decade of living with me and replacing the plethora of items that I always found interesting and oftentimes amusing ways to accidentally destroy, he knew of what he spoke. I was, and unfortunately continue to be, an insurance claim personified. When he gave me away at my wedding, he slipped my soon-to-be husband an envelope that I later learned was an accident

policy he had taken out on me when my coordination-deficiencies first became apparent.

We always held out hope that I would one day outgrow my clumsiness. I haven't. To illustrate the point, let me tell you how my day last Wednesday began.

I've told you before that along with being the editor of Grass & Grain, I own the newspaper in my hometown. I usually spend Tuesday evening and into the wee hours of Wednesday putting it together before coming to work at G&G. This Tuesday I ran out of steam at about midnight, so I went to bed, setting the alarm for 4 a.m. so I could get up and finish. Along about six o'clock, I decided to take a break and hop in the shower. Forgetting that I had plugged my laptop in behind me, I stood up, dragging it across the table, crashing into my cup of coffee, which spilled all over the keyboard. It immediately went black, taking my hours of hard work with it. No amount of pleading, crying or praying would make it come back on. I grabbed my old laptop along with the one I was using and raced into my G&G office, where I worked on this paper while I waited for the computer hospital to open up. I left one frantic message on their answering machine, promising to name my next grandchild after them if they could please, please help me (my daugh-



## The Learning Post

By Gordon Morrison  
Concordia Rancher and  
Former Agriculture Educator

### The Desert Will Bloom Again

A land that receives ten inches or less of rain a year is considered a desert. Some years parts of Kansas are like a desert, where hardly anything will grow. Even the buffalo grass stops growing.

In his book *Sod and Stubble*, author John Ise describes some of the conditions when early settlers established communities west of here. Many came in the 1870s to acquire 160 acres of free land, providing they lived on it for five years. They soon learned just how uncertain the weather is in Kansas. The year 1880 was very dry and almost no crops matured to harvest. A few farm families gave up, sold their farms and livestock, loaded their wagons with their remaining possessions, and trudged back east from whence they came.

Ten years later, a drought again hit the same area, and Kansas became a desert – no wheat to cut and the corn crop was reduced to corn fodder. Farm children herded the cattle along the railroad right-of-ways in an attempt to find enough grass to keep them alive.

During my lifetime, there have been several times of extreme drought. I can remember the dust storms rolling in during the thirties, making the noonday seem like it was a moonless night. In 1934 and 1935, it did not rain for months at a time. What little alfalfa did grow was put in hay stacks, where rabbits by the hundreds would come to feed. Rabbit drives were organized to reduce their numbers. According to the book of the history of Wichita County, there were 27 drives in that county from January to March 9 of 1935. On the average, about three hundred people would take part in a drive and kill an average of 1500 rabbits. Many of these were sold to hog farmers, who fed them to their swine for protein.

With rabbits eating what little crops were raised, Dad took action to get rid of them when they invaded our domain. I still remember that as a young boy I would sit on the hay stack with him while he shot the

rabbits as they came to feed on the precious alfalfa.

Another very severe drought hit Kansas in 1955, when many herds of cattle were sold on the Kansas City market, mine included. The grass barely grew without rain, and what did grow was devoured by grasshoppers. Almost every farmer carried a water tank in his pickup to haul water for his cattle. Hay was very costly. Our neighbor drove to Minnesota to buy hay. After looking at the alfalfa offered for sale, he bought several box car loads. Upon examining it when it arrived, he discovered that poorer quality and mildewed hay had been shipped to him instead of what he had originally purchased. But he was able to save his herd, and eventually cattle prices came back up to a high price, making them a profitable enterprise again.

Shortly after we acquired our ranch in 1988, it turned so dry that all our ponds became nothing but mud holes. We provided water for the livestock by rigging up a pump and tank to supply water from a very productive hand-dug well.

Now in 2010 and 2011 drought has again hit parts of Kansas, south and west, and has extended beyond borders to include many states. The grass has stopped growing and herds are again being sold way down in order for the rancher to survive.

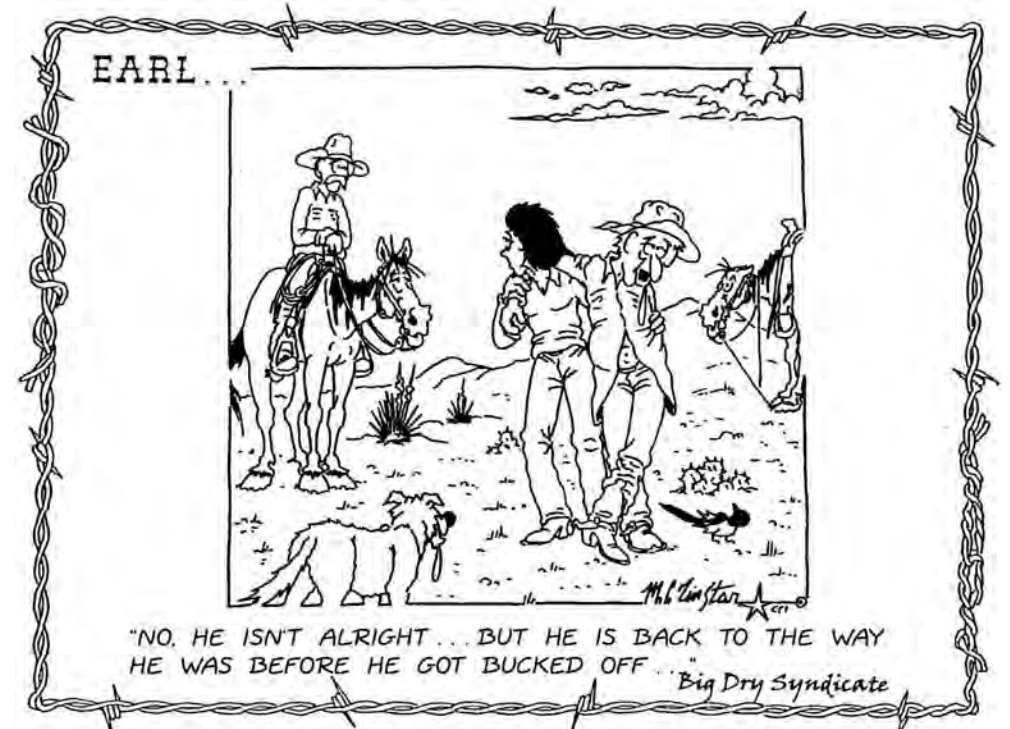
Have you studied the history of droughts? One can count on their occurring periodically, and then the rain finally comes to replenish the dry, parched earth. I want to emphasize that while going through a drought can be extremely difficult, one can have hope, for it will rain again to end the dry conditions. It always has. Don't dwell on the drought too long, but as an old rancher friend once explained, "You have to go on the average." Conditions are not always bad, not always good, but they average out to a sustainable and desirable way of life.

Thank God we are a land of plenty more often than we are a desert.

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# K-State Swine Day planned Nov. 17 in Manhattan

Research aimed at improving net returns for swine businesses and a global grain and livestock outlook are among highlighted topics to be presented at Kansas State University's Swine Day, Thursday, Nov. 17.

The event, which features a technology trade show, will be at the KSU Alumni Center at the corner of 17th Street and Anderson Ave. in Manhattan. It begins with registration and the trade show at 8 a.m. and the formal program beginning at 9:45 a.m.

Presentations and speakers will include:

- Current K-State

Swine Research to Help Improve Net Return of a Swine Business - Animal scientists from the K-State Swine Team will discuss the practical application of the latest production research and present breakthroughs in novel new areas during a two-part session.

- Failure to Thrive: The Effect of Vitamin D at Processing - Veterinarians

Steve Henry, Lisa Tokach, and Megan Potter - Abilene Animal Hospital, Abilene.

- Global Grain and Livestock Outlook: How it will Impact You - Joe Kerns, Risk Assessment and Management, Ames, Iowa.

A reception from 3:30 p.m. - 5 p.m., will provide an opportunity for participants, K-State scientists

and industry representatives to socialize and enjoy K-State ice cream. The cost to attend Swine Day is \$25 per person if paid by Nov. 10; \$35 if paid at the door. Registration includes lunch, conference materials, the ice cream reception and parking permit. More information will be posted online as the event draws closer at [www.ksuswine.org](http://www.ksuswine.org).

ter-in-law and I are still in negotiations over that one). Long story short, they came and got both computers and installed the hard drive from the coffee-tainted one into the old one, allowing me to finish the paper.

I was so happy I wanted to just... well... dance.

Which brings me back to that conversation all those years ago with my Dad. So I just eased myself carefully back down into my chair and proceeded to write. Even I can't hurt anything doing that, right?

And if I do, well, I am always looking for new material.

## Celebrate the National Day of the American Cowboy

The Crossroads Cowboy Church will be celebrating the National Day of the American Cowboy on Saturday, September 24, 2011, at their facility located at the crossroads of U.S. Hwy. 24/59 & S. Hwy. 76, Williamstown.

Starting at noon, you can enjoy Ty Haas Horsemanship, The Wild Women of the Frontier, Chicks in Chaps drill team, Ashcraft stock dog working, farrier, mounted shooting, and chuck wagon cooking seminars, vendors, an apple pie baking contest, ugly boot and ugly cowboy hat contest and many more fun events which will be held during the day. The chuck wagon dinner starts at 5 p.m. The evening entertainment begins at 6:30 p.m. and will include western musician B.J. Fogey, cowboy poets Dwight Burgess and Brad Harrison and Will Rogers of the Plains, Charley Green. Mark your calendars and plan to bring the whole family to the Crossroads Cowboy Church to celebrate our western heritage! For

more information, contact Pastor Terry & Shella Newell, 785-840-8165, [www.crossroadscowboychurch.net](http://www.crossroadscowboychurch.net) or Dewayne & Jo Turner Burgess at Roy Frey Western, 785-232-0579.



James DeRouche, Belvue, exhibited the grand champion market lamb at the 2011 Pottawatomie County Fair. Also pictured is judge Ed Huelett and Jenna DeRouche.

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# GRASS & GRAIN Our Daily Bread

\*\*\*\*\* By G&G Area Cooks \*\*\*\*\*

Rose M. Dietz, Hoisington, Wins Recipe Contest For The Week In Grass & Grain

Winner Rose M. Dietz, Hoisington: "So good to serve for fall."

**PUMPKIN DELITE**

- 29-ounce can pure pumpkin
- 12-ounce can evaporated milk
- 3 eggs
- 1 cup sugar
- 1 teaspoon salt
- 3 teaspoons cinnamon
- 1 large box yellow cake mix, dry
- 1 cup chopped pecans
- 3/4 cup melted margarine

Preheat oven to 350 degrees. Mix pumpkin, evaporated milk, eggs, sugar, salt and cinnamon until well blended and pour batter into a greased 9-by-13-inch pan. Sprinkle cake mix on top then cover with pecans. Pour melted margarine over top. Bake 50 minutes and serve with whipped topping or ice cream.

\*\*\*\*\*

Lucille Wohler, Clay Center:

**SQUASH BREAD**

- 3 eggs
- 1 cup oil
- 2 1/2 cups sugar
- 2 cups grated yellow squash
- 1 teaspoon vanilla
- 1 teaspoon salt
- 1/4 teaspoon baking powder
- 1/2 cup chopped nuts

- 1 teaspoon soda
- 3 cups flour
- 1 teaspoon cinnamon
- 1/2 cup raisins

Mix eggs, oil, sugar, squash and vanilla. Add dry ingredients, nuts and raisins. Bake at 350 degrees in two greased and floured loaf pans for 1 hour.

\*\*\*\*\*

Ruth Worman, Salina: "This is a simple and delicious recipe that my dear mother-in-law shared with me many years ago. It sounds a little different but everyone loves it. I take it to all potlucks and get lots of raves. Hope you try it."

**SAUERKRAUT MAIN DISH**

- 1 pound ground beef
  - 1 pound pork sausage
  - 3 green peppers
  - 4 onions
  - 4 tomatoes (can use canned tomatoes out of season)
  - 1 pint sour cream
  - 1 large can sauerkraut
- Brown ground beef and pork sausage. Cut up peppers, onions and tomatoes and add to meat mixture. Add sour cream and sauerkraut and simmer for 1 1/2 hours.

\*\*\*\*\*

Margaret Trojan, Beaver Crossing, Neb.: "This is the quickest and easiest 'snack' to make."

**FRITO BARS**

- 1 cup sugar
  - 1 cup light corn syrup
  - 1 cup crunch or creamy peanut butter
  - 10 1/2- or 13-ounce bag Frito chips (can crush a few if you want with a spoon)
- Boil sugar and corn syrup for 1 minute only. Add

peanut butter and stir all together. Very lightly grease a jelly roll pan. Spread the chips in pan. Pour syrup over chips quick. Cool and enjoy!

\*\*\*\*\*

**Brenda Flaherty, Salina: OATMEAL RAISIN COOKIES**

- 1 cup (2 sticks) butter, softened
- 1 cup firmly packed brown sugar
- 1/2 cup granulated sugar
- 2 eggs
- 1 teaspoon vanilla
- 1 1/2 cups all-purpose flour
- 1 teaspoon baking soda
- 1 teaspoon cinnamon
- 1/2 teaspoon salt (optional)
- 3 cups oats (quick or old fashioned, uncooked)
- 1 cup raisins

Preheat oven to 350 degrees. Beat together butter and sugars until creamy. Add eggs and vanilla; beat well. Add combined flour, baking soda, cinnamon and salt; mix well. Stir in oats and raisins; mix well. Drop cookie balls onto ungreased cookie sheet. Bake 10-12 minutes or until golden brown. Cool 1 minute on cookie sheet before moving to wire rack. Makes about 4 dozen.

Tip: With cookie dough

ball utensil make dough into balls, place on cookie sheet and place in freezer until froze or until they do not stick together. Place balls into a freezer safe bag. I like to keep the dough like this so when the grandchildren come by I always have cookies ready to bake. Just pull out cookie balls and place on cookie sheet. Let thaw slightly and bake.

\*\*\*\*\*

Rose Edwards, Stillwater, Okla.:

**CHOCOLATE**

- CHERRY CHIFFON PIE**
- 24 Oreo cookies
- 2 tablespoons butter
- 1 cup boiling water
- 6-ounce package cherry gelatin
- 1/2 cup ice
- 16 ounces frozen whipped topping, thawed
- 12-ounce package frozen cherries, thawed

In the bowl of a food processor combine cookies and butter. Pulse until crumbs form. Press into 9-inch deep dish pie plate. Set

aside. In a bowl combine boiling water and gelatin, stirring until gelatin is dissolved. Add ice and stir until melted. Fold in whipped topping until smooth. Fold in cherries. Freeze until firm, about 2 hours.

\*\*\*\*\*

**Millie Conger, Tecumseh: ROASTED BRUSSELS SPROUTS**

- 1 tablespoon orange juice
- 2 teaspoons olive oil
- 1 teaspoon grated orange zest
- 1 pound Brussels sprouts, halved
- Nonstick spray
- 1/2 teaspoon salt
- 1/4 teaspoon pepper

Combine orange juice, olive oil and zest in a small bowl. Place sprouts on a jelly roll pan coated with spray and drizzle orange juice mixture over sprouts and toss gently to coat. Sprinkle with salt and pepper. Bake at 450 degrees for 15-20 minutes or until edges of sprouts look lightly browned and crisp. Garnish if desired with orange zest strips.

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# Fishing For Value At The Seafood Counter

Hannah Gerberding, Mayfield:

## CARNITAS

- 3-pound pork loin roast (1 cut into 3 chunks)
- 4 to 5 shakes garlic powder
- 2 cans Ro-Tel Original, undrained
- 1 can Ro-Tel Hot, undrained
- 1 medium-size can tomato sauce
- 1 tablespoon ground cumin (4 to 5 shakes)
- 1 can green chiles
- Tortillas
- Cheeses
- Sour cream

Put pork loin roast in slow cooker with enough water to about cover it. Sprinkle with garlic powder. Add Ro-tel. Add tomato sauce, ground cumin and green chiles (I get the whole ones and just lay across top of loin). Put in crock-pot about 7 or 8 p.m. the night before on low, then that morning put cooker on keep warm, then eat it the next night for supper with tortillas, cheeses and sour cream.

NOTES: I usually check it that morning or that day at lunch to make sure not burning and has enough liquid. The longer the stuff sits in crock-pot the better it tastes. The pork is usually so tender it just falls part. You can also add some jalapeños for more of a kick or just use all Hot Ro-tel as that does cook down quite a bit. This makes quite a bit, but is awesome heated

up for leftovers. We usually have these one night then the next night I will make enchiladas out of the leftovers or add some beans to it and just eat out of a bowl.

\*\*\*\*\*

## Sandy Hill, Eskridge: COPPER PENNIES

- 2 lbs. carrots, cut into 1/2" slices & cook until tender
- 1 medium onion, sliced & separated
- 1 medium bell pepper, optional

### Dressing:

- 3/4 to 1 cup sugar
- 1 can tomato soup
- 3/4 cup vinegar
- 1/2 cup salad oil
- 1 teaspoon prepared mustard
- 1 teaspoon Worcestershire sauce
- Salt & pepper to taste

Mix dressing ingredients together and pour over mixed vegetables. Let stand overnight. Store in tightly covered dish.

\*\*\*\*\*

## Kellee Rogers, Topeka: A DIFFERENT SCALLOPED CORN

- 2 eggs
  - 1/4 cup sugar
  - 2 slices bread, crusts trimmed
  - 14 3/4-oz. can creamed corn
  - 1/2 cup evaporated milk
- Mix together eggs and sugar. Cube bread and add to mixture. Stir in corn and milk. Pour mixture into a buttered 1 1/2-quart casserole dish. Bake at 350 degrees for 1 hour.

\*\*\*\*\*

(NAPSA) — According to a recent scientific report, seafood is an important source of protein and contains essential nutrients that can benefit the cardiovascular system. Putting quality fish on the dining room table in an affordable way is easy with these savvy shopping tips:

- Consider frozen or vacuum-packed seafood. Busy weekday schedules don't always allow a dash to the store for fresh fish. Have frozen seafood on hand and place it in the refrigerator the night before cooking it for a simple meal. An even easier option is to look for frozen, pre-marinated, ready-to-cook fish that come in vacuum packs.

- Mix and match. Buy some shrimp or a few salmon fillets and cube them at home. Marinate in store-bought teriyaki marinade and make kebabs with a variety of fruits and veg-

gies like red onion and pineapple. Bake or grill and then serve over brown rice.

- Choose value varieties of salmon. Keta and coho salmon are garnering attention from seafood lovers. At a fraction of the price of other salmon species, keta and coho make great alternatives for anyone who prefers a milder taste.

- Look for affordable, responsibly farmed fish. Responsibly farmed fish are environmentally friendly and can be affordable, too. "Be sure to shop for fish that are farmed without the use of antibiotics, preservatives and added growth hormones," said David Pilat, Whole Foods Market's seafood buyer. "Our strict quality standards for farmed seafood ensure our shoppers get great taste and peace of mind that they are doing their part to save our oceans."

This recipe is sure to

please the family without putting a strain on the grocery budget. Serve it with a salad and couscous or a quinoa pilaf.

## Rosemary-Lime Salmon Kebabs (Serves 4)

- 1 pound farmed or wild salmon fillets (fresh or thawed frozen), cut into chunks
- 1 zucchini, cut into chunks
- 1 yellow bell pepper, cut into chunks
- 1 large red onion, cut into chunks
- Sea salt & black pepper
- 2 garlic cloves, finely chopped
- 1 tablespoon (about 2 small sprigs) chopped rosemary leaves
- 1/3 cup extra-virgin olive oil
- 3 tablespoons lime juice
- Wooden or bamboo skewers, soaked in water for 10 minutes

ers, soaked in water for 10 minutes

Place salmon, zucchini, bell pepper and onion in a shallow baking dish and sprinkle with salt and pepper. Whisk together garlic, rosemary, olive oil and lime juice in a small bowl. Pour mixture over salmon and vegetables, toss and marinate 15 to 30 minutes.

Preheat the grill or broiler. Skewer the salmon and vegetables, reserving marinade, and grill or broil 5 to 7 minutes, turning once, until salmon is cooked through and vegetables are tender. While cooking, boil the marinade in a small saucepan for 5 minutes. Drizzle over skewers and serve.

For more recipe ideas, visit [www.wholefoods-market.com](http://www.wholefoods-market.com).

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# Aflatoxin a concern as harvest gets under way

By David G. Hallauer,  
District Extension Agent,  
Crops & Soils/Horticulture

Aflatoxin continues to be a concern as we get harvest rolling this fall. Most producers are all too aware of the potential problems aflatoxin infected grain can have. Here's hoping you don't have to deal with it. If you do, here are a few summary points to remember from KSU plant pathologist Dr. Doug Jardine:

Corn with <20 ppb of aflatoxin can be used for

any purpose. Note to dairy producers: use for lactating dairy cows may be discouraged! It can be passed into the milk and tolerance in milk is only .5 ppb. Higher levels may result in dumped milk and herd quarantine.

From 20-100 ppb, it can be used to feed breeding cattle, breeding swine and mature poultry (e.g. laying hens). Corn with these levels should not be fed to immature animals. It should also not be fed to deer or other wildlife.

From 100-200 ppb it can be fed to swine larger than 100 lbs. These levels could comfortably be fed to cattle over 600 - 700 lbs.

From 200-300 ppb it can only be used for finishing (i.e. feedlot) beef cattle.

While blending has been suggested, there are FDA regulations that prohibit it.

They have been relaxed in the past, and who knows about enforcement, but technically, it is illegal. See the full regulatory guidance at: [www.ngfa.org/files/misc/Guidance\\_for\\_Toxins.pdf](http://www.ngfa.org/files/misc/Guidance_for_Toxins.pdf).

It is illegal to ship corn with over 20 ppb of aflatoxin across state lines.

Since aflatoxin is highly

heat stable, it will survive the ethanol fermentation process and actually increase three- to four-fold in the distillers grains, so generally ethanol plants don't want it.

Whether it is in the field or the grain bin, Aspergillus flavus infected grain above 15% moisture may continue

to increase in aflatoxin levels. Every effort should be made to dry corn to less than 15% moisture as quickly as possible and reduce grain bin temperatures to below 50 F as soon as reasonable. Aflatoxin should not increase in properly ensiled corn, but it will not decrease either.



Isaac Brunkow, Westmoreland, exhibited the grand champion breeding ewe at the 2011 Pottawatomie County Fair in Onaga. Also pictured is Ed Huelett, who evaluated the sheep.



Showing the supreme heifer at the Riley County Fair was Isabel Bond of the Riley Rascals.



Riley Rascals 4-H member Gabby Bond exhibited the grand champion market beef at the Riley County Fair.

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# THE HEALTH CORNER

## CMH opens clinic in Frankfort

Community Memorial Healthcare (CMH) opened a medical clinic in Frankfort in early September 2. This is the first clinic that the hospital has operated in the Frankfort community. Opening the new clinic will give CMH patients greater access to quality health care, and provide care for patients of all ages. The clinic will be located in the old Frankfort clinic building at 800 N. Locust Street, and operate as a satellite clinic of Marysville Clinic.

Medical staff members at Frankfort Clinic include: new family practitioner Dr. Joseph

Hawkins, MD; family practitioner Dr. Michelle (Swanson) Stone, DO; and nurse practitioners Julia Hammett, ARNP-C, and Abigail Kidwell, ARNP-C. Drs. Hawkins and Stone provide family practice services and comprehensive women's healthcare services including obstetric care and gynecology.

Office hours will be Monday and Friday (except holidays) from 8 a.m. to 5 p.m. Nurse practitioners Hammett or Kidwell will see patients on Monday starting at 8:30 a.m. and family practitioners Hawkins or Stone will see patients on Friday, begin-

ning at 10 a.m. Patients can schedule appointments by calling (785) 292-4443.

"We're very excited about this opportunity to provide high quality health care to residents in Frankfort and the surrounding communities," said Curtis R. Hawkinson, hospital administrator. "With Frankfort Clinic open, we'll have a total of five medical clinics to better serve our patients in Marshall and surrounding counties."

CMH clinics are located in Blue Rapids, Frankfort, Marysville and Wymore, Neb.

## Runners and walkers to raise awareness for breast cancer

There are many reasons women, men, and children alike participate in the annual Impact the Cure Breast Cancer Walk/Run in Abilene. Some want to support a good cause. Others want to get exercise or have friendly competition with friends. But for many, it's more personal.

According to the Centers for Disease Control and Prevention, breast cancer is the most common cancer that affects women in the United States aside from skin cancer. RaeLyn Swisher, Director of Impact Sports and Fitness in Abilene, sought to raise awareness about the disease and funds for local non-profits when she renamed the fitness center's annual run to Impact the Cure in 2010.

The second annual Impact the Cure Breast Cancer Awareness Run/Walk will begin at 8 a.m. on Sat-



A cancer survivor signs the Pink Heals Fire Truck at last year's Impact the Cure Breast Cancer Walk/Run in Abilene.

urday, October 1, starting at Impact Sports and Fitness, 418 N. Broadway, Abilene. People of all ages and fitness levels are welcome to participate. The event will include a 5K race and 2-mile fun walk. Registration begins at 7 a.m. Pre-registra-

tion is \$20, and registration the day of the event is \$25.

The event will occur rain or shine, and will take participants through the scenic streets of Abilene and back to Impact Sports and Fitness. Volunteers will be on hand to

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 Breast Cancer Awareness Benefit  
 October 1 • 5K Run • 2 Mile Fun Walk  
 Awards, Drawings for Prizes, Pink Fire Truck, & Information Booths.  
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offer water along the route.

Those who are unable to participate or attend but want to support the cause have the option of donating \$20 for an Impact the Cure long-sleeved T-shirt, with proceeds going toward the fight against breast cancer. This year, the proceeds from Impact the Cure will benefit digital mammography equipment for Memorial Hospital in Abilene.

**Survivor Recognition & Pink Heals Fire Truck**

An informal survivor recognition ceremony will begin at 7:45 a.m. outside of Impact Sports and Fitness. All cancer survivors will receive a special "Survivor" button and will be recognized as a group. All cancer survivors and family members will have an opportunity to sign the Pink Heals Fire Truck, which will be located across the street at the Abilene Fire Department. The bright pink fire truck, operated by the Wichita Chapter of the Guardians of the Ribbon, will lead the 5K Run and two mile fun walk.

**Awards**

There will be a ceremony following completion of all events. Awards will be given to overall male and female 5K winners, 1st, 2nd, and 3rd place 5K finishers in each age group. All finishers ages 13 and under will receive a participation award. The fun walk is noncompetitive, and will have no awards.

All participants will be entered into a drawing for prizes.

**Pancake Breakfast**

A pancake breakfast will be sponsored by Eagle Communications following the event. "Chris Cakes" uses a custom-designed grill that makes up to 40 pancakes at one time. Add some fancy pancake flipping and you'll have a breakfast that is fun to watch being made and tastes delicious. The kids will love it!

**Booths, Sports Bra**

**Decorating, and Voting**

Booths with information about breast cancer and local resources will be available. There will also be vendor booths with information about products local companies offer.

Vote for your favorite decorated sports bra at Aksent Boutique's booth. Want to decorate a sports bra that will be displayed at Impact the Cure? Visit Aksent Boutique from 6 to 8 p.m on Thursday, September 29 (must pre-register by Monday, September 26) at 309 N. Buckeye and get creative! Cost is \$25 and you may choose to purchase a bra at Aksent to decorate or purchase a new sports bra on your own. All proceeds benefit digital mammography for Memorial Hospital.

**Buttons and Bracelets**

Attendees will also have the opportunity to obtain pink breast cancer awareness buttons and

bracelets for a suggested donation of \$2 each. These are a great reminder of breast cancer awareness. Those who cannot come to the event may find buttons and bracelets at Impact Sports and Fitness, 418 N. Broadway; Aksent Boutique, 309 N. Buckeye; or Memorial Hospital's Gift Shop, 511 NE 10th, during September and October.

Other area businesses are participating by giving customers the opportunity to donate funds to the cause. Donation sheets with pink ribbons on them will be available at Abilene businesses. The pink ribbon signs will hang in the windows of businesses in honor or in memory of friends or relatives who have battled cancer.

**Win a Pink Electra Cruiser 7D Bike**

Want to win a beautiful, pink Electra Cruiser 7D bike? Anyone can make a donation and have his or her name entered into a drawing for the bicycle. Suggested donation is \$1 for an opportunity or \$5 for six opportunities. Stop by Impact Sports and Fitness to learn more, or make your donation on the day of the event. The bicycle is sponsored by Big Poppi Bicycle Company in Manhattan. The winner will be announced at Impact the Cure. You need not be present to win.

**Sponsors**

Many area businesses are supporting Impact the Cure through sponsorships and donations. The

event's major sponsors are 92.7 FM The New Zoo, The Abilene Reflector-Chronicle, Duckwall-Alco Stores, Inc., Eagle Communications, Hoffman Construction, Impact Sports and Fitness, JACK FM 95.5, KCLY 100.9 FM, McDonald's of Abilene, Memorial Health System, The Salina Journal, Salina Media Group, and United Radiology Group Chartered.

**Registration and More Information**

Registration forms can be accessed by visiting <http://www.caringforyou.org> and clicking on the Impact the Cure logo, or by visiting Impact Sports and Fitness at 418 N. Broadway in Abilene. Please fill out and return with payment to Impact Sports and Fitness, 418 N.

Broadway, Abilene, KS 67410. Checks may be made out to Impact Sports and Fitness. Entry fee includes a long-sleeve t-shirt and pancake breakfast. Watch for more information about Impact the Cure on Memorial Health System's Facebook page by visiting <http://facebook.caringforyou.org>, or call Impact Sports and Fitness at (785) 263-3888.

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# THE WAY WEST

By Jim Gray

## Year of Destiny

The year of 1867 has come to be known as the "Year of Destiny." The year began with a military campaign against the Plains tribes, focused heavily on the Cheyenne. General Hancock's expressed intentions were to bring peace to the Plains, but his show of force only brought a perceived prospect of annihilation. The Cheyenne fought back and the Indian war of 1867 was realized. Forts Larned and Dodge stood guard along the Santa Fe Trail. Forts Riley, Harker, Hays, and Wallace guarded the Smoky Hill Trail. The first railroad across Kansas was rapidly moving west between Ellsworth and Hays City. Stage lines, wagon trains, railroad workers, and sometimes the towns themselves came under attack from the Indians who saw nothing but trouble from

the invading hordes out of the east. Custer and his command of the Seventh U. S. Cavalry had never seen an Indian before the spring of 1867, but by mid-summer the soon-to-be-famous Seventh found themselves incapable of holding the Indians at bay. The Tenth Cavalry "Buffalo Soldiers," made up of black troops and white officers, likewise had no Indian fighting experience. 1867 would change all of that. Custer discovered the decomposing remains of a squad of soldiers under the command of Lt. Lyman Kidder in northwest Kansas. Kidder had left Fort Sedgwick, Nebraska, with a dispatch for Custer. In another fight, Buffalo Soldiers fought a running battle with three to four hundred Indians from the Saline River to Fort Hays. The troopers counted themselves lucky

that they only lost one man in the fight. Floods ravaged the banks of the Smoky Hill River. Cholera raged from Fort Harker to the western posts along the military trails. Buffalo Soldiers once again encountered Indians in August in northern Kansas. Troops of the Eighteenth Kansas Volunteer Cavalry joined in the three-day battle which ended in another retreat to Fort Hays. Two soldiers were killed and 24 were wounded.

In the midst of the turmoil Texas cattle found their way to a little outpost on the Smoky Hill River named Abilene. The trail they followed became known as the Chisholm Trail. The railroad built west of Hays City to an isolated location on the prairie they dubbed Coyote, Kansas. Men woke in the morning to ask, "Shall we have a man for breakfast?" Death and misery seemed to be at every turn. Less noticed were the men of peace, working behind the scenes to bring the conflict with the plains tribes to a quiet end. The Indian Peace Commission arrived in Kansas in October to negotiate a treaty of peace. Representatives to the Commission were a combination of military men, politicians, and civilians.

Throughout the later part of the summer of 1867, negotiations were being made between frontiersmen and Plains Indians. Groups of Comanche, Cheyenne, and others met at Jesse Chisholm's trading post at the mouth of the Little Arkansas River (Wichita). There was quite a bit of movement between that post and Chisholm's post on the North Canadian River in Indian Territory. Texas cattle and wild bands of Indians intermingled on the new highway to the promising railhead at Abilene. Medicine Lodge Creek was selected as a meeting place to conclude the treaty between the United States government and five of the plains tribes, namely, the Arapaho, Comanche, Prairie Apache, Kiowa, and Cheyenne. George Bent described the September scene in his book *Life of George Bent*. "The great camp was in a beautiful hollow through which flowed Medicine Lodge Creek, with its lovely wooded banks. This was a favorite place for the summer medicine-making of the Indians and also for their winter camps." The Arapaho camp was 170 lodges, the Comanche one hundred lodges, the Kiowa 150 lodges, and the Apache

with 85 lodges. In the center was a grove of elm trees that served as the council grounds. Across the creek from the council grounds the Cheyenne camped in 250 lodges. Approximately 5,000 Indians were in camp. Indian ponies covered the hills and valleys. Around 600 men represented the United States.

The treaties were signed, but the Cheyenne Dog Soldiers saw only sorrow in the white man's treaty. They rode away without signing. There would be no real peace.

That night a storm set

the surrounding prairie afire which was doused by a deluge of rain. It was an uneasy ending to an uneasy conference between two cultures who found themselves thrown together in a year of destiny on The Way West.

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

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**THURSDAY, SEPTEMBER 22 — 4:00 PM**  
Auction Location: McPherson Auction Gallery, 1337 W. Kansas Avenue  
**MCPHERSON, KS**



This auction consists of 00 Dodge Caravan, Trailers, 721 Grasshopper and Hustler Z72 Mower, Dirt Bikes, 83 Chevy K10, 00 Grand Prix, Savage Axis 270 Rifle, Ammo, Power Tools, Compressors, Automotive Tools and Equipment, Lighting fixtures and parts, Antiques, Furniture, Prints, Figurines & much more!  
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MONDAY, OCTOBER 10 — 10:00 AM  
AUCTION LOCATION: Fossil Creek Hotel and Suites  
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257 acres more or less Russell County, Kansas  
LEGAL: S/2 of 5-14-12 W 6th P.M. except I-70 being 257 acres, more or less, Russell Co.  
LAND LOCATION: From Bunker Hill, KS I-70 exit, take Highway 40 adjacent to I-70 east 2 miles then north under the overpass to the southeast corner.  
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**THURSDAY, SEPTEMBER 29 — 6:00 PM**  
AUCTION LOCATION: Eureka Country Club — EUREKA, KS  
LAND LOCATION: From Eureka, KS 7 miles Northwest of River Rd., to H Rd., North 4 miles to 230th, East 1 mile.  
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**AUCTION**  
SATURDAY, SEPTEMBER 24 — 9:00 AM  
901 N. Duncan — NEWTON, KANSAS  
This is sale #2 for the Harms family. Still many collectables to be sold as well as furniture, appliances, household, and shop items. At this time it is believed we will have 3 or 4 wagon loads of O/C & common household items. Good shaded yard if weather continues to be warm. Again the following is a very brief listing. You need to be there. See you sale day!  
OLD & COLLECTIBLES & ALL ELSE: Quick Meal Porcelain face wood burning cook stove; large rendering kettle; well pump; pitcher pump; branding irons; beam scale; wood wheel hubs; ice box; hames; buggy steps; Carnival glass; coll. glass; Newton memorabilia; 1941 DRINK COCA COLA SERVING TRAY; '60s BATMAN CARDS; OTHER '60s CARDS; HOT WHEELS REDLINE; BEATLES RECORDS; HELP, ABBEY ROAD; old puzzles inc. BROKEN ARROW, AUGIE DOGGIE, and others; Edison records; 45 records; silverplate; pop bottles; glass insulators; sad irons; car tags '30s-'70s; china; old games; books; cream cans; chrome dinette; pressed back rocker; type trays; pics & frames; unusual footed tub; child's wagon; fishing gear; lock-er plant storage; pool table; metal & wood storage cabinets; kitchen step stool; green glass & lead top canning jars; books; adv. rulers; beer signs; Frigidaire refrigerator; Samsung microwave; Kenmore washer and gas dryer; upright freezer; dinette w/chairs; suede sofa; La-Z-Boy recliner; Estep LAD spinet piano; stacking bookcase; glass door display; many new plumbing fixtures; valves & fittings; scrap metal & copper; hay knife; washtub; coal buckets & shovels; Craftsman ES lawn mower; Ryobi tiller; edger; shop fan; Craftsman router; Coleman camp stove; BBQ grills; saber saw; Black & Decker reciprocating saw; staple gun; Craftsman right angle grinder; Wagoner paint gun; Porter cable drill; scrap copper, brass & iron; and many other items.  
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**LAND AUCTION**  
SATURDAY, OCTOBER 1 — 10:00 AM  
Finch Theater, Downtown LINCOLN, KANSAS  
285 ACRES M/L  
DESCRIPTION: 285 Acres M/L approximately 24.63 Acres cropland, 3.6 acres waterways, 64 acres CRP, At \$46.71/acre, out in 2012, balance native pasture & wildlife habitat. The cropland is generally flat with good soils. The Pasture has a good perimeter fence with the exception of about 1/8 mile along the road. 3 ponds for stock water and recreation. There are a few trees in the draws to provide wildlife habitat and shade for the cows in the summer. This farm has good grass and with the crp coming out in 2012 could be a great place to produce beef. This farm has been designated a controlled shooting area for several years and has been groomed to produce lots of hunting opportunity. Food plots, windbreaks, avian cover, and thermal protection are in place. An established ash and oak woodlot is in place for cover and a mast crop. This farm would double duty as a place to raise beef and provide recreational opportunities.  
BASE ACRES & YIELDS: Wheat 28.1 acres, yield 31 Total base acres-28.1  
LEGAL: NW ¼ and NW ¼ of SW ¼ of sec 32 Twp 10 Rng 07 and S ½ of SW ¼ of Sec 29 Twp 10 Rng 07 West of the 6th P.M.  
LOCATION OF PROPERTY: Located 5 ½ north, 1 east, ¼ north of Lincoln Ks. along the east side of 200th RD. or from the intersections of Sage Drive and 200th Rd go ¼ mile north. This is the SW corner of the property.  
TERMS & POSSESSION: 10% down day of the sale, balance due on or before October 28th 2011. Seller to pay 2011 taxes. 2012 taxes will be the responsibility of the buyer. Title insurance, escrow and closing costs to be split equally between buyer and seller. Possession on closing, subject to existing tenants rights. This properties to be sold as-is. All inspections should be made prior to the day of the sale. This is a cash sale and will not be subject to financing, have your financing arrangements made prior to sale day. Midwest Land and Home is acting as a transaction broker and does not represent either party. All information has come from reliable sources; potential bidders are encouraged to verify all information independently. All announcements made the day of sale will take precedence over any other information.  
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# Homeground & Other Geographies by Tom Parker

## Break In The Weather

The shortening days always catch me by surprise. Last week I geared up to photograph an engraving on a limestone outcrop high above Alcove Springs, the famed watering hole on the Oregon Trail, only to find the sun already slipping behind the thicket. My idea was to capture the carving when the light was low so that the inscription stood out in stark relief. As the sun was so low it had all but disappeared, that much of my plan was a success. Everything else was a shock to the system.

Nor did it end there. Several days later a friend roused me from a deep sleep with orders to photograph fog that had settled in the valley. Groggily and not without dire imprecations toward his interruption I dressed and staggered out to the car where the cold froze me in my tracks. The thermometer read a paltry 46 degrees, which combined with my summer attire of shorts and T-shirt, 100 percent humidity and pre-coffee disorientation equaled a chill index of 30 below zero.

In all fairness I have to admit that I was among the thousands of others clamoring for a break in the

heat, and now that it was here I'd have to acclimate myself to the change. Next year, though, I vowed to temper my wishes for a gradual cessation rather than one so abrupt that it takes us completely off guard. Moderation in all things.

The doomsayers and homespun climatologists wasted no time in predicting an early winter. Their reasons loosely fixed on the wooliness of caterpillars, the prevalence of fog in the lowlands and the early disappearance of birds, most of which could be explained through common sense. That the birds left on their southbound migration within days of their normal departure was easily proven through meticulous records. Fog is a common occurrence when the ambient temperature cools to a point lower than that of the rivers. As for the fuzziness of caterpillars, its alleged thickness remains subjective unless verified through measurement and hard data, none of which these declaimers of wive's tales bothered to analyze.

The truth is simpler: we get so wrapped up in our daily doings that we fail to see what's right in front of

us. And, sometimes, the shift from hot summer to cool autumn happens at a faster pace, leaving us deliriously dizzy from the effect. I've taken to leaving windows open day and night to capture the coolness, necessitating blankets some nights. Facebook friends keep up a running commentary on the autumnal weather, none of whom dare express fears that it's too early for these temperatures.

Perish the thought. I'm not one for wive's tales though many possess a kernel of truth. Whenever I'm faced with those who swear by the old incontestable signs I remind them of the rain crow, a neotropical bird whose song is said to be a harbinger of showers. Several years ago during a particularly nasty dry spell that saw our city enact watering restrictions as ponds emptied and perennial creeks depleted, rain crows were abundant, and abundantly singing. Mating season was in full swing, a fact that probably goes without saying.

From the dawn of time humans have attempted to predict weather. Today's technology has improved

the science of climatology but any scientist worth his salt will admit that it's still mostly guesswork. Satellites and radar might give us a godlike view of the planet but what happens next relies on forces beyond the reach of instrumentation. The best we can do is draw conclusions from the available data which is probably the same thing old timers did with their hirsute caterpillars and dubious ornithology.

I'm taking it day by day, relishing every cool minute we're given. The summer was a scorcher that few will miss. Prevailing winds have shifted to the north bringing drier, cooler air filled with the shapes of migrating birds and insects. Already golden leaves are drifting on the wind, mostly from walnuts and locusts. Nights are soft drones of crickets, tree frogs and katydids, and softer silvery moonlight. The sky

has turned both paler and bluer, an atmospheric contradiction with no scientific explanation. Days shorten as the sun drifts southward. Colors leach from the fields, greens fade to yellow and dun, grasses lapse into dormancy while the rest of creation emerges from its heat-induced hibernation into a world it had all but forgotten, ephemeral and fleeting, undemanding of anything other than exquisite relief.

# AUCTION



**SATURDAY, SEPTEMBER 24 — 10:00 AM**  
561 Orange Street • AMERICUS, KANSAS

### BOAT & TRAILER

16 ft. V boat with 35hp Evinrude motor, fishing seats and trolling motor on trailer; ATV/lawn mower trailer; Coleman peddle boat; fiberglass top for a full size Chevrolet pickup, 8 ft. bed, good; ATV snow plow; Kawasaki child's 4-wheeler, electric.

### FURNITURE & APPLIANCES

Overstuffed sofa, loveseat & chair; 6 drawer chest of drawers; cedar chest waterfall front; maple dining table & 6 chairs; 2 dresser & mirrors; kitchen pantry; oak deacon's bench; book shelves; recliner; TV chair; floral sofa; rocking horse; lamps; 4 drawer file cabinet; folding tables; oak office desk; Frigidaire washer & dryer, 2 yrs old white.

### TOOLS, COLLECTIBLES & MISC.

Stihl MS 170 chain saw, good;

JD 6200 watt generator, needs new motor; 16 ft. extension ladder; CST transit and tri-pod; bull float & trowel with 5 handles; magnesium floats; hand trowels; various concrete tools; large insulated flat work blanket; cement mixer; well pump; tiller 5hp; snow blower; shop cabinets; fishing tackle; lawn seeders; Kenmore gas grill; electric pole saw; enamel ware; bench top band saw; parts washer; bolts cutters; air compressor, 110 volt; bench top drill press; small radio flyer wagon; 16 gallon shop vac; Husquvra gas string trimmer; cutoff saw; C clamps; hammers, pliers, screwdrivers, etc.; all size of electric motors, running; work benches; welding table; Lawson organizer; plumbing supplies; open end box end wrenches; ¼,

3/8, ½ socket sets; pneumatic tools & sockets; hand saws; car stands; air bubble pipe wrenches; chain hoist & beam; shop lights; primitives tools; Husquvra leaf blower; B&D cordless tool set; sump pump; steamer trunk; organizer containers; hoes, rakes, shovels, etc.; 6 ft. fiberglass step ladder; Skil 9 inch hand grinder; Craftsman sawsall; various electric hand tools; paint pot; dremel tools; 10 inch power miter saw; 50 X 30 plastic tarp; tarps of all kinds; wheel barrow; bench top table saw; patio stone forms; various lumber; Hitachi 18 volt cordless drill; metal rack; nice selection of usable metal; basement egress door; meat slicer; various kitchen appliances; set of Wilson golf clubs, new.

**LARRY KAHLE**

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### TRUCKS & TRAILERS

2000 Dodge 1500 Laramie SLT 3/4 ton pickup, club cab, V8, 4x4; 1993 Dodge Ram 1 ton dually truck w/350 Cummings turbo engine, flatbed, 4 spd. & overdrive; 1970 Chevrolet C-50 2 ton truck, 4 spd. & 2 spd. w/18 ft. steel bed & hoist fold down racks; 1964 Chevrolet C-60 2 ton truck w/16 ft. bed & hoist, 4 spd. & 2 spd. axle; 1955 Chevrolet 6100 2 ton truck w/V8 engine, 13 1/2 ft. bed & hoist, 4 spd. & 2 spd.; 1978 Chevrolet C-20 3/4 ton Custom 20 pickup, 4x4, rough & runs; 1950s IHC S-160 truck; 1965 Dodge 300 pickup, 4 spd., doesn't run; 1960 Ford F-100 1/2 ton pickup, 4 spd. (clutch out), good & restorable; 1982 gooseneck hitch stock trailer, 27 ft., tandem axle, open side; 16 ft. stock trailer, rough; old Donahue trailer; 2 wheel

trailer w/flatbed; 4 wheel trailer chassis; 4 wheel trailer chassis w/5'x10' metal box; 4 wheel trailer chassis w/Obeco grain box.

### MACHINERY

New Holland #660 big round baler w/auto wrap; New Holland #1499 self-propelled swather, cab, dsl eng., crimper, 12 ft. header; John Deere 7100 3 pt. 6 row 30" row planter, ridge till, plates & monitor; Hiniker ridge till attach; Sunflower 24 ft. field cultivator w/harrow att. & hyd. fold; Krause 20 ft. tandem wheel disk; Crustbuster 30 ft. hoe drill; BMB 9 ft., 3 pt. rear blade hyd. swing & tilt; Strobel 6 row 16 ft. pull-type H.D. stalk cutter; 2 wheel H.D. trailer chassis w/800 gal. water tank, leaks; Noble 32 ft. fold-up sp w/harrow att.; Servis 15 ft. PTO shredder; Buffalo 6 row 30" row 3 pt. hiller; Hawkins 6 row 30" row 3 pt. hiller; Sunflower 16 ft. tandem wheel disk; JD 3 pt., 15 ft. rotary hoe; MF 14 ft., pull type chisel; Arts Way #320 PTO grinder mixer; IHC 510 grain drill; 2 IHC 3 pt. 4 row 30" row cultivators; Richardson 15 ft. V plow; 4 sec rotary hoe w/carrier; old drag harrows; 12 ft. tandem wheel disk; JD 5 ft. 3 pt. shredder; Krause 16 ft. tandem wheel disk; 2 wheel manure spreader; 3 wheel 3 pt. hay turner; 3 pt. post hole digger; Kent springtooth; 6" PTO

grain auger; shop built pipe trailer; 2 IHC side delivery rakes; 3 pt. 2 row Dempster planter; 2-6" grain augers, 1 PTO & 1 eng.; old flatbed trailer; IHC chisel 3 pt. for parts; IHC 550 5 bottom semi-mounted plow; JD 5 bottom semi-mounted plow; Ford 4 bottom semi-mounted plow; asst. augers; several pieces of old machinery for iron.

### CATTLE EQUIP. & MISC.

4 wheel chassis w/pipe big bale bed 20 ft.; calf creep feeder; old squeeze chute; W.W. portable squeeze chute; head gate; 12 Orschein portable corral panels, 12 ft.; set of 10 ft. portable corral panels; asst. of bunk panels; lg. asst. of fence panels & cattle panels; feed bunks; stock tanks; gates; hundreds of elec. fence posts & asst. steel posts; hedge posts; 3 pt. bale spear; 3 pt. bale fork; 3 pt. 2 bale carrier; lg. asst. elec. fence wire; 20 ft. 4 wheel hay feeder; asst. of other livestock equip.; 500 gal. propane tank; iron wheels; alum. siphon tubes; wire winder; battery charger; elec. welder; grinder; air compressor; hyd. cylinders; table saw; skil saw; chainsaw; handyman jack; bikes; tricycles; air bubble; saws; hammers; asst. of wrenches; shop-built hyd. press; sweeps; bolts; oil; wooden hand corn sheller; 2 wood blocks; asst. of other misc. & related items.

TERMS: Cash or check w/proper ID. Lunch on grounds.

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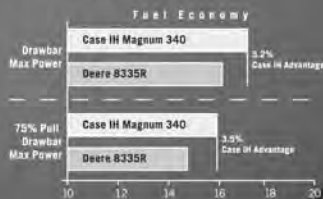
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# Radishes, turnips, and base acres: understanding the USDA Farm Service Agency rules

Radishes and turnips are increasingly being planted as cover crops in Kansas. However, there's some confusion about whether these crops can be planted on cropland, since they are technically vegetables, said DeAnn Presley, K-State Research and Extension soil management specialist. "The 2008 Farm Bill says that farmers have the freedom to plant whatever crops they choose on their base acres except for fruits and vegetables. However, some producers might have acres on their farms that are not fully based, so they could grow radishes and turnips on (up to) that number of acres," Presley said.

"Also, if the crop is grown on the base acres strictly as a cover crop and it is not the first crop of the year, and it is not mechanically harvested or grazed, that is acceptable," she added. So if producers plant radishes and turnips after they harvest wheat, and plan to destroy those crops with herbicide or let the frost kill them, they would be in compliance, she said.

If radishes or turnips are planted and are going to be grazed, producers will need to pay a measurement service fee to have someone from the USDA Farm Service Agency (FSA) office come out and look at the field to make sure that the

vegetables are not being harvested as produce. "In Riley County, for example, the fee is typically around \$54, but the exact amount depends on how far your farm is from the local FSA office. And this same rule applies if the radishes and turnips are the first crop of the year on your base acres," Presley said. Producers are required to certify all cropland, and for some USDA programs all farmland, at the FSA office on an annual basis, Presley reminded. "The bottom line is that it is possible to plant radishes and turnips on cropland, but producers should discuss this with their local USDA-FSA office first. They will work with you to determine your options. The FSA realizes that cover crops have a tremendous value in terms of improving soil quality and protecting natural resources, so they are very willing to work with producers who want to plant radishes and turnips as a cover crop or for grazing," the K-State soil scientist concluded.

### Test Radish and Turnip Tops For Nitrates Before Feeding to Livestock

Radish and turnip tops make good forage crops for grazing. However, they should be tested for nitrates before being fed to livestock, said Presley. Feeding harvested forages or graz-

ing plants that are high in nitrates can be toxic to livestock because the metabolism products from nitrates interfere with the ability of blood to carry oxygen, causing asphyxiation, said Dale Blasi, K-State Research and Extension animal scientist.

Nearly all plants contain nitrate, but some species are more prone to accumulate nitrate than others, said Kraig Roozeboom, K-State Research and Extension crop production specialist. "Crops such as forage and grain sorghum, sudangrass, hybrid sorghum-sudan, and pearl millet are notorious nitrate accumulators. Canola and other brassica species, such as radish-

es and turnips, take up nitrogen effectively and can accumulate dangerous concentrations of nitrates," Roozeboom said.

Environmental conditions in Kansas create high nitrate concentrations in some forages virtually every year, he added. "The potential for high nitrate concentrations in crops such as sorghum, brassicas, cereal grains, corn, and some grasses occurs after exposure to drought, hail, frost, cloudy weather, or soil fertility imbalance," he said.

For more information on nitrate toxicity see K-State publication MF-3029, Nitrate Toxicity, at your local county Extension office, or at: <http://www.ksre.ksu.edu/>

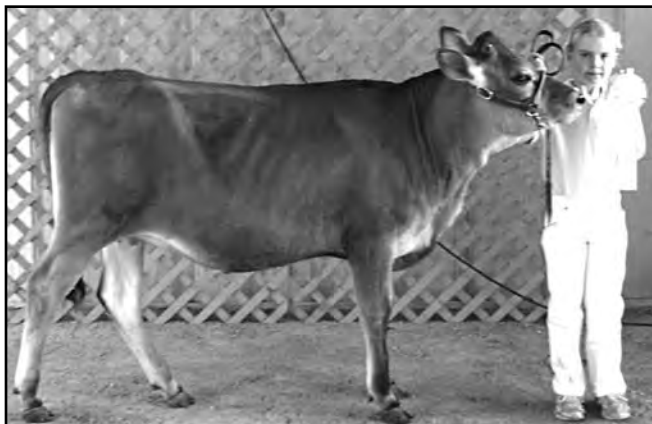
[library/crpsl2/mf3029.pdf](http://www.ksre.ksu.edu/library/crpsl2/mf3029.pdf).

Contact your local Extension office for assistance in submitting samples for ni-

trate analysis to the K-State Soil Testing Laboratory, or go to: <http://www.agronomy.ksu.edu/soiltesting/>.



Sarah Featherstone of the Wildcat 4-H Club showed the champion Jersey female and was also named the champion senior dairy showman.



Wildcat 4-H'er Rachel Featherstone showed the reserve champion Jersey female at the Riley County Fair and was also named the champion junior dairy showman.

**FARM AUCTION**  
**SATURDAY, SEPTEMBER 24 — 10:30 AM**  
 178 N 450 Road — OVERBROOK, KS  
 DIRECTIONS: E. of Overbrook on 56 Hwy to County Rd 1023 then North 1.5 miles, right on 450 Rd. Watch for signs.  
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# Wheat research reinforces that yields can be partially recovered when planting late

Ongoing wheat research at Kansas State University reinforces the idea that even when planting wheat later than the optimal date for any given area, yields can be recovered somewhat, but not completely, by bumping up seeding rates and ensuring the crop receives adequate moisture.

"We initiated this study because as farmers move to more intensive cropping rotations, they are harvesting crops and then planting wheat on that same field late — sometimes two to three weeks later than what we would consider is the optimum planting time for a given area," said K-State Research and Extension agronomist Brian

Olson. He and K-State agronomy colleague, Rob Aiken, wanted to determine if it is possible to receive all or most of the highest potential yields on late-planted wheat by altering seeding rates. Wheat seeding rate is increased because wheat planted later in the year will have a shorter period to develop tillers before winter dormancy. Therefore, the increased seeding rate should "potentially" compensate for the reduction in tiller number from and individual wheat plant.

Prime wheat planting time in northwest Kansas is the end of September to first part of October, said Olson, who is based at K-State's northwest area of-

Olson. He and K-State agronomy colleague, Rob Aiken, wanted to determine if it is possible to receive all or most of the highest potential yields on late-planted wheat by altering seeding rates. Wheat seeding rate is increased because wheat planted later in the year will have a shorter period to develop tillers before winter dormancy. Therefore, the increased seeding rate should "potentially" compensate for the reduction in tiller number from and individual wheat plant.

Eighty pounds of nitrogen and 30 pounds of phosphorus per acre were applied to the study area prior to planting. In the first two years (2008-09 and 2009-10), moisture was adequate and emergence, development and yields were

consistent, Olson said. But just like for producers in western Kansas, dry conditions during fall 2010 impeded the researchers' efforts.

"I put that wheat into very dry ground in 2010," Olson said, noting that with so little soil moisture, emergence was delayed. Once the scientists irrigated the study at the end of October, however, wheat in all of the plots began to emerge at about the same time, regardless of planting date.

"We finally watered and the wheat emerged. That just reinforces what (K-State agronomist) Jim

Shroyer says: 'it's not when you plant it, it's when you get moisture,'" Olson said. "The potential yield is not when it's planted but when it comes up."

The study indicated that although yield potential is reduced by planting wheat after the optimum window for a given area, some of the potential yield can be recovered by increasing the seeding rate. In the fall of 2008 and 2009 when wheat was planted on Sept. 26 and Oct. 10, wheat yields were similar across the planting rates of 60, 90, 120, and 150 pounds per acre. However, when wheat was planted on Oct. 24 or Nov. 7,

the lowest yield for that date was observed with the 60 pounds per acre seeding rate and a stair-step increase was observed with the 90, 120, and 150 pounds per acre seeding rates on these dates. "But it is important to note, that although the 150 pounds per acre seeding rate on Oct. 24 and Nov. 7 had the highest yield for that date, that yield was not as much as wheat planted during the more optimum planting period for the area of Sept. 26 to Oct. 10," Olson said. "We're planning to plant again for this next year," he added. "Hopefully, we'll have good moisture."



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

### COLLECTIBLES & ANTIQUES

2 Chevrolet dealer metal parts organizers 1950's; wood hardware organizer; Red wing planter; Terri Lee doll; enamel ware; selection of Goofus glass; lusterware creamer & sugar; various Fenton pcs.; various primitives; Shirley Temple pitcher; oil jar; Roy Roger's wind up toy, new; toy farm tractors & toys; various pictures; duck decoy's; juicers; wood whiskey keg; barb wire collection; brass torches; Michelob hanging light; camel saddle; Coca Cola items; Schwinn girls bicycle 1960's; Monark boy's bicycle 1940's; Mickey Mouse items; Budweiser items; Radio Flyer wagon; Zenith tube type radio floor model; Tru Value bank; stag table lamp; porcelain dolls; doll cradle; brass pcs.; chicken coop; Coors items; deer tapestry; decorative ceiling metal; misc. dishes & glassware; Corona sign; NASCAR items; beer items; wood incubator; Reference books; Cookie cutters; Silver plate; Carnival glass; Imperial ice blue frosted loganberry vase; Anchor hocking vintage pitcher; Vintage candy store jars; Linens; Vintage baby or doll clothes, doll dishes; Tools; Nintendo game boy & games; Super Nintendo; Antique mantel clocks; Howard Miller Anniversary clock new; Sims, Play station I and II, Game Cube games; DVD'S and CD'S; Quilts; Primitives & glassware; 1950 Montgomery Wards Sewing Machine; Jewelry; Quilts; Lots of miniatures; Lots of Miscellaneous.

Walnut headboard & footboard, nice; gossip bench; 2 oak chairs; small walnut shelf; walnut occasional table; oak occasional table; oak drop leaf table; parlor table; ice cream parlor chair; 2 bar stools; book case; maple drop front desk; oak parlor table; wall hugger table; Lane cedar chest; round maple pedestal table; queen anne chair; square oak table & 4 chairs; painted 3 drawer chest; gun cabinet; hall tree; oak shelf; oak coffee table; press back rocker; glass front gun cabinet hold 10 guns; entertainment center; white wicker stool.

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# Beef picture: record prices in, out

By Miranda Reiman

If there was ever a good news/bad news story in the cattle feeding industry, this year is a classic example. Market analyst Dan Basse, AgResource Company, warned cattle feeders of continued upward pressure on input prices while also pointing out the "bright spots" of increasing exports and high cattle prices.

Basse spoke at the Feeding Quality Forum in Omaha, Neb., and Garden City last month.

"It's another year of struggle between an economic landscape that's less than favorable — we don't see domestic beef demand rising this year — and this new worry about the price of feed and forage," he said.

Utilizing field agronomists, weather data and historical trends, his company predicts an average corn yield of 148 bushels per acre this season. Southern drought combined with very high night-time temperatures in the upper Midwest all contribute.

"Extreme heat during the day, we never cooled off at night and that gets us back to problems like ear

tipping, pollination blanks, long silks and, unfortunately, a less than desired corn crop," Basse said.

Global stocks of corn are tight, and that's why he sees a trading range of \$6.50/bu. to \$8.50/bu. going forward.

Of course, corn isn't the only feed resource with bullish pressures. The extended drought in the Southern Plains is pushing forage and pasture prices upward. The drought has already devastated those regions, but if it extends into 2012 its impacts could be magnified for the entire beef industry.

"What does that mean for forage prices? What does that mean for wheat crops? What does that mean for future cattle availability?" he asked.

The decline of the U.S. cow herd is rapidly intensifying — a trend that's being realized south of the border, too.

"Mexican cattle imports into the United States have been very, very high," Basse said. "I don't think we can continue that trend, though."

Their domestic per-capita meat consumption is in-

creasing. In contrast, the U.S. beef demand has been on a slow decline since 2006. Fortunately, imports to Mexico have stepped up.

"For the longest time it used to be that as retail price went up, beef use went down," Basse said. "Now we are in this environment where retail prices are rising but we are also seeing an increase in total demand. That is due to the export segment."

Ag Resource Co. projects exports reaching 12% to 13% of supply in the near future.

"That takes us above the pre-BSE ("mad cow") levels

and will keep cash cattle prices very high," he said. As Chinese consumers start encroaching on annual incomes above \$5,000, the tipping point for including more meat in the diet, they are a target market.

"We think that U.S. beef is on the doorstep of making it to a greater degree into China," Basse said.

Demand seems easier to pinpoint than supply right now. "Could we have cow numbers to a low enough level that would send beef prices up to \$2 on a live basis by sometime in 2013 and 2014?" he asked. "To some degree cash cattle

prices will try to keep at a high price level so we don't liquidate any more of our cow herd."

Feeder prices will stay in the \$125 to \$140 range and may even climb to \$150 in the next year.

These high numbers mean there are going to be more discerning diners.

"We want quality to be maintained at a very high level in beef, because if we're going to have this elevated beef price we want to make sure the consumer is rewarded for that consumption," Basse said.

The main take-home message is this: "Margin, margin, margin is the new mantra for feedlots if it hasn't been already," he said. "It's just a challenge of margin — what goes in and what goes out — and how do we manage both ends?"

The meetings were co-sponsored by Pfizer Animal Health, Certified Angus Beef LLC (CAB), Feedlot Magazine and Purina Land O'Lakes.

More information and proceedings will be posted when available at [www.CABpartners.com](http://www.CABpartners.com).



The reserve champion market beef at the Riley County Fair was shown by Kaden Camerlinck of the Riley Rascals 4-H Club.



Cassidy Brooks of the Bonfire 4-H Club exhibited the supreme champion heifer at the Riley County Fair.

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 Offered in 5 tracts at Mayberry's, 307-311 C St., Washington, KS.  
 TRACT 1: 160.2 ± ac. Prod. cropland, pasture, pond, & great for hunting. TRACT 2: 147.1 ± ac. Prod. cropland, pasture, & large lake.  
 TRACT 3: 224.28 ± ac. Prod. cropland, pasture, timber, & creek.  
 TRACT 4: 78.5 ± ac. Pasture, pond, & timber. TRACT 5: 158.4 ± ac. Pasture, pond, creek, & heavy timber.  
 Flyer/video/photos at: [www.WeigandAuction.com](http://www.WeigandAuction.com).  
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 150 N. MARKET, WICHITA, KANSAS 67202

**ANTIQUA AUCTION**  
**SUNDAY, SEPTEMBER 25 — 10:00 AM**  
 Auction will be held in Kenwood Hall at the Saline Co. Expo Center 900 Greeley in **SALINA, KANSAS**  
**ART, LODGE ITEMS, COLLECTABLES:** Color aquatinted 1930 hunting scenes by Edwin Megargee; Herschel Logan art; mini oil painting by Sandzen student Marzella Okerlind; Wilma Wethington; American Folk art; Pararie Printmaker; original stone lithograph & etching prints & watercolors by Kansas Artists; 1802 fold art wooden cup w/Indian; beer steins; Kansas maps; advertising stoneware; political buttons; 1800's Plains Indian tomahawk; **Lodge items:** (secretary desks; pedestals; officers stations & bible pedestal; library table; robes; chairs); 1st edition books; Jayhawk collection; coffee tins; tobacco tins; tobacco lunch boxes; comic books; Majolica; Cloisonne; Art Deco; Coors & Cowan pottery; Hesston belt buckles; many Kansas books.  
 See last week's Grass & Grain for complete listings.  
 Check our website for pictures at [www.thummelauction.com](http://www.thummelauction.com).  
 Auction Conducted By  
**THUMMEL REAL ESTATE & AUCTION LLC**  
 785-738-0067 or 785-738-5933

**UPCOMING AUCTION**  
 By Schremmer  
 PUBLIC AUCTION  
 Note Date Change  
**DATE: SATURDAY, SEPTEMBER 24, 2011 @ 10:00 AM**  
**LOCATION: ON SITE @ 1315 SUSANK RD — HOISINGTON, KS**  
**SELLERS: LOIS HICKEY AND ISABELLE DUMLER**  
**CYCLE:** Sears Motorbike Mo-Ped w/ Title \* **VEHICLES:** 2000 Cadillac Deville-4-door, 91,898 miles, Good Rubber and 32 V North Star \* **FURNITURE \* HOUSEHOLD \* APPLIANCES \* ANTIQUES & COLLECTABLES \* LOTS OF SHOP TOOL & EQUIPMENT \* SPORTING \* YARD & GARDEN \* LOTS OF MISCELLANEOUS.**  
 For more items and pictures visit our website.  
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**LAND AUCTION**  
**SATURDAY, OCTOBER 15 — 10:00 AM**  
 Willows Restaurant, 1921 North St., **SENECA, KS**  
**• 475 ACRES M/L SELLING IN 6 TRACTS**  
**LOCATION OF PROPERTY:** Located 2 miles north, & 1/2 east, of Oneida Ks. along the south side of 184th RD. or from Seneca Ks go 4 miles north on 63 hwy then 4 miles east on 184th RD. to O RD. this is the NW corner of the property. **DESCRIPTION:** 475 Acres M/L. this property will be selling in 5 tracts or as a whole. These tracts will have surveyed property lines but fences may or may not be present. Fences will be the new owners responsibility.  
**Midwest Land and Home is acting as a transaction broker and does not represent either party.**  
 See upcoming issues of Grass & Grain for complete details & maps!  
**SELLER: OLLIE E. BAUMAN TRUST**  
 Midwest Land and Home  
 Mark Uhlik, Broker / Auctioneer: 785-325-2740  
[www.KsLandCo.com](http://www.KsLandCo.com)

**LAND AUCTION!**  
**Pottawatomie County, Kansas**  
**447 ± Acres**  
**Offered in Three Tracts!**  
**Friday, September 30 at 1:30 PM**  
**Blackjack Legion Club • St. George, Kansas**  
 • Land is located southwest of Westmoreland, Kansas.  
 • Will be offered in three tracts for bidding.  
 • Farmland, wooded pasture and CRP.  
 • Excellent deer and turkey habitat.  
 • Potential for several nice home sites!  
 • Ten percent down day of auction.  
 • Closing November 1, 2011.  
**For Property Details, Contact:**  
**Farmers National Company**  
**Chris Sankey, Agent**  
 Council Grove, Kansas-  
 Phone: (620) 343-0456  
 CSankey@FarmersNational.com  
[www.FarmersNational.com](http://www.FarmersNational.com)  
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**GREENHOUSE LIQUIDATION AUCTION**  
**SATURDAY, SEPTEMBER 24 — 10:00 AM**  
**MELVERN, KANSAS**  
 We are selling the Valley View Greenhouse Gardens at 31272 S. Croco Rd., 1 mile East and 1/2 mile South of MELVERN, KS (Melvern is 4 miles North of Exit 160 off of Interstate I-35)  
**GREENHOUSES, HEATERS, TRACTOR, SKID STEER, TRAILERS, CAR, BOATS, TENT, LIVE PLANTS, GARDEN SUPPLIES, BEE EQUIPMENT, LONGABERGER BASKETS**  
 26' x 96' Stuppy Greenhouse w/ 3' Sidewalls, 2 Fans & 2 Shutters; (2) 14' x 96' Stuppy Ground to Ground Greenhouses w/Fan & Shutters; 21' x 96' Stuppy Greenhouse w/3' Side-Walls, Fan & Shutters; 32' x 96' Stuppy Greenhouse w/Fan & Shutters; 2 Modine 250,000 BTU Propane Heaters; ADP 130,000 BTU Propane Heater; Grainger 150,000 BTU Propane Heater; 3 Reznor 250,000 BTU Propane Heaters; Reznor 350,000 BTU Propane Heater; Grainger 42" Hi Velocity Ventilation Fan; 30 x 96 & 40 x 96 Shade Cloths; (2) 12 x 100' Shade Cloths; Outdoor Wood or Coal Stove w/Blower, Herrington Mfg.; 1210 Ford Tractor 3 cyl Diesel Hydrostatic, 3 pt, Hi-Lo 4 wheel / dr 29x12x15 Turf Tires; 773 Bobcat '96 Skid Steer Loader, Diesel w/6 ft Bucket SN#50963 8685; 67"x32" Bobcat Bucket w/teeth; Bobcat Pallet Forks; '98 7x21' Dovetail Tandem Axle LOAD-TRAIL Trailer w/ Ramps; 42" AGRI Rotary Tiller; 6 x 19 Enclosed Trailer w/Side Door (No Title); '78 CWC Alum. Enclosed Cargo Trailer; 27' x 8' Goose-neck w/8 ft. Nose; Homelite LR4400 8 Hpr Generator; 3 pt BEEFCO Tiller, 4 ft., 3 pt.; 1 Section Drag Harrow; Sprayer for ATV; MTD Tiller 6 Hpr. Front Tang; Coleman Generator 5,000 watt; Homelite Generator, 4,400 watt; '94 Olds Cutlass Sierra 4-Dr Sedan; '93 Lowe Alum. Bass Boat 17' w/Trailer & 40 hpr Johnson Motor; 1989 17' VIP Vision Ski Boat w/ Trailer Inboard, Outboard, 140 Hpr.; 300 Gal Fuel Tank w/Stand; Approx. 175 Concrete Blocks; Approx 75 Wood Pallets; 300 Plus Potting Containers, Various Sizes; 500 plus Bedding Plants Trays; Approx 75 4' x 8' Plant Tables; 8 Red Radio Flyer Garden Wagons 2'x4'; 2 Dbl-Tier Metal Carts, Hummert 2'x4' 4 Wheel, Pneumatic Tires; 5' x 2 1/2' 2 Wheel Garden Cart Pneumatic Tires; Steel Garden Wagon 4'x2 1/2'; (3) 9 ft Patio Umbrellas; 3 Wheel Barrows; 550 Gal Poly Tank; 300 Gal Poly Tank w/Pump & 1/2 hpr motor; 300 Gal Rubbermaid Water Tank; 150 Gal Rubbermaid Water Tank; Water Fall Filter & Pump; Dayton 1 hpr Hi-Pressure Irrigational Pump w/Bladder Tank; 15 & 20 Gal Tanks; 100 Gal Poly Tank on Skids; 2 Dosamatic A-30 Fertilizer Injectors; 30" W x 5 1/2" H Metal Storage Cabinet; 19 Gal Whirlpool Elec. Water Heater; (2) 40 Gal Water Heaters (1 elec/1 gas); 50 Bags (2.8 cu ft) Premier Pro Mix; 20 Comp. Bales Peat Moss (2.2 cu ft); 96 Bags Cypress Landscaping Mulch; 20 Bags Loose Fill Cotton Burr Compost; 25 Various Fruit Trees, 5 & 10 Gal; 23 Ornamental & Shade Trees 5 & 10 Gal; 10 Upright Evergreens, 5 Gal; 90 Various Type Shrubs, 2 Gal; 20 Various Variety of Grapes; 16 Tea & Climbing Roses; 18 Yellow Ground Cover Roses; 20 Knock Out Roses, 2 Gal; 5 Honeysuckles, 1 Gal; 560 Various Kinds of Perennials, 1 Gal; Many Assorted Potted Plants; (2) 4' Garden Benches; (2) 6' Wooden 3-Tier Display Shelves; 2 Water Features w/Pumps 38" & 30"; 90 pcs Assorted Pottery, 6" to 22" Sizes; 40 Iron Planters & Hanging Containers; Assnt. of Woven Plant Containers; Bulk Seed Display w/ Boxes; 2 Cash Registers; Hot Point Refrigerator w/Top Freezer; Older Microwave; Partial Roll Pond Liner 20' w x 25' (Approx.); Few Rolls Weed Barrier; 10 Heavy Wire Tomato Cages; 4 Western Style Metal Wall Hangings Approx. 24"; Selection of Plant & Garden Products; Shepherd Hooks, Tools, Hummingbird Feeders, etc.; 9 Gal. Preen Weed Preventer & Fertilizer; Trellises 72" Treated Pine, Square & Fan; Dog Kennel 11' x 12' Wooden Frame; (15) 12' Long Used 2 x 6's; 2 Storm Doors; 4 Tires LT265-75R16; PU Topper 80" x 64"; Antique Round Table w/Pedestal Base; Waterfall Mirror (Circa 1940's) 40"x36"; 60 Longaberger Baskets, Retired Styles, Many Sizes; 5 Beehives; DADANT Honey Extractor; 20 gal Honey Bottling Tank; 24'x20' Retail Tent, Galv. Frame w/Top & Side Curtains; Ladies Schwinn Bicycle (Circa 1950's).  
**MANY, MANY OTHER ITEMS NOT LISTED. TWO RINGS MAY RUN PART OF THE DAY. INSPECTION DAY OF SALE ONLY.**  
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**ELSTON AUCTIONS**  
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# GRASS & GRAIN Auction Sales Scheduled

- September 20 — Real estate, cropland & grass at Jewell for Elwyn Topliff Family Trust. Auctioneers: Thummel Real Estate & Auction, LLC.
- September 20 — Equipment, machinery, vehicles, steel beams & iron at Topeka for Capital City Iron Works. Auctioneers: United Country Mid West eServices, Inc., Eric Blomquist.
- September 21 — Excavators, wheel loaders, track loaders, loader, backhoes, dozer, scrapers, trucks, vehicles, trailers, packer online only (www.bigiron.com) Auctioneers: Stock Auction Co.
- September 22 — Coins at Lawrence. Auctioneers: Elston Auction Company.
- September 22 — Assets of a computer store & 2 auto mechanic shops, vehicles & more at McPherson for KDOR Tax Asset Seizure. Auctioneers: United Country Mid West eServices, Inc., Eric Blomquist.
- September 23 & 24 — 23rd: Coins, sterling & pewter collections; 24th: antique & modern tools, primitives, guns, toys, glassware, furniture & household at Newton. Auctioneers: Rick Kaufman.
- September 23 — Marshal County land (950ac) at Blue Rapids for Dorothy L. Hula and Harold L. Hula. Auctioneers: Joe Horgan.
- September 24 — Rice County real estate at Little River for L.E. Welty Trust. Auctioneers: Oswalt Auction & Realty.
- September 24 — Tractors, track loader, machinery, truck, misc. & household at Overbrook for Robert & Shirley Lang Estate & 1 consign. Auctioneers: Flory & Associates & Mark Hamilton.
- September 24 — Box wagon, gas engines, equipment, tools & more at Manhattan for Alvin "Deak" & Edna Williams. Auctioneers: Gannon Real Estate & Auctions.
- September 24 — Modern furniture, kitchenwares, tools, golf ball collection at Abilene for Mrs. Verl "Glenda" Anderson. Auctioneers: Reynolds, Mugler & Geist.
- September 24 — Tractor, collectible tractors, equipment & misc. at Ottawa for Jim & Donna Ferguson. Auctioneers: Buddy Griffin Auctions.
- September 24 — Washington County grassland W. of Washington for Leland L. Medearis. Auctioneers: Raymond Bott Realty & Auction.
- September 24 — Sanders Ranch Head of the Class sale at Louisburg.
- September 24 — Old & collectibles & misc. at Newton for Reuben Harms Estate, Elma Harms. Auctioneers: Auction Specialists, LLC.
- September 24 — Greenhouses, heaters, tractor, skid steer, trailers, cars, boats, tent, live plants, garden supplies, bee equipment, Longaberger baskets at Melvern for Valley View Greenhouse Gardens. Auctioneers: Beatty & Wischropp Auctions.
- September 24 — Tractors, skid loader, trucks, trailers, machinery, hay, livestock, lawn mowers, combine & heads, dozer, ATV, Go-Cart, golf cart & misc. at Effingham. Auctioneers: Hoffman Auction Service.
- September 24 — Real estate & personal property at Marion. Auctioneers: Griffin Real Estate & Auction.
- September 24 — Lawn equipment, 4 wheeler, tools, motor home & boat, antiques, household & other at Clifton for Larry & Mary Morris. Auctioneers: Thummel Real Estate & Auction, LLC.
- September 24 — Tools, boat, furniture & collectibles at Americus for Larry Kahle. Auctioneers: Hallgren Real Estate & Auctions.
- September 24 — Farm sale SW of Courtland for Richard Nelson Estate.
- Auctioneers: Larry Lagasse Auction & Real Estate.
- September 24 — Real estate, home & wildlife habitat at Marion for Cindy L. Ragland & the late Michael D. Ragland. Auctioneers: Griffin Real Estate & Auction Service, LC.
- September 24 & 25 — Precious Moments, Cabbage Patch, Elephants & other collectibles at Louisburg for Mr. & Mrs. Cockburn Estate. Auctioneers: Dennis Wendt Auction.
- September 25 — Furniture, appliances, household, collectibles, & tools at Wamego for Lorraine Hirsch. Auctioneers: Gannon Real Estate & Auctions.
- September 25 — Collectibles, antiques, furniture, tools & misc. at Council Grove for Carolyn Carlson & others. Auctioneers: Hallgren Real Estate & Auctions, LLC.
- September 25 — Art, lodge items, collectibles at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.
- September 26 — Pottawatomie County pastureland & meadow at Wamego for Isadore Hieger Trust. Auctioneers: Cline Realty & Auction, LLC.
- September 27 — Contemporary ranch style home at Manhattan for Kitty Cool. Auctioneers: Gannon Real Estate & Auctions.
- September 28 — Tractors, combines, forage harvest equip., trucks, vehicles, trailers, haying, chemical, fertilizer & livestock equipment, skidsteers online only (www.bigiron.com). Auctioneers: Stock Auction.
- September 28 — Furniture, antiques & collectibles, lawn equipment & more at Manhattan for Bill & Martha Kellstrom. Auctioneers: Gannon Real Estate & Auctions.
- September 29 — Greenwood County land, Flint Hills agriculture, hunting & recreation at Eureka. Auctioneers: Sundgren Realty, Inc.
- September 29 — Leavenworth County land at Eudora. Auctioneers: Farmers National Company.
- September 30 — Pottawatomie County land at St. George. Auctioneers: Farmers National Company.
- October 1 — Household goods, collectibles, butcher & outdoor supplies, tractors, machinery, truck, generator, riding mower, boat, 3-wheeler, tools, misc., iron & metal at DeWitt, Nebraska for Lyn & Verla Quackenbush. Auctioneers: The Auctioneers, Jurgens, Henrichs, Hardin.
- October 1 — Consignments at Salina. Auctioneers: Wilson Realty & Auction Service.
- October 1 — Acreage, cropland, CRP, pasture, hunting N. of Lincoln for Prairie Fur & Feathers. Auctioneers: Midwest Land & Home, Mark Uhlik.
- October 1 — Construction equip., tractors, farm machinery, trucks, trailers, cars, etc. at Spring Hill. Auctioneers: Countrywide Tractor Auctions.
- October 1 — Tools, antiques, juke box, misc. at Clay Center for Dorothy (Mrs. Ervin) Fowles. Auctioneers: Kretz, Hauserman, Bloom Auction Service.
- October 1 — Female sale at Leonardville for Lindell Angus.
- October 2 — Corvette, lawn tractor & trailer, guns, shop tools & misc. at Baldwin City for Mrs. Britton (Judy) Chilton. Auctioneers: Elston Auction Co., Mark Elston & Wayne Wischropp.
- October 3 — Trego County real estate at Ellis for George & Evelyn Spinelli. Auctioneers: Farmland Auction & Realty Co., Inc.
- October 4 — Ottawa County pasture land at Minneapolis. Auctioneers: Omli & Associates, Inc.
- October 6 — Washington County land at Washington. Auctioneers: Weigand Auction.
- October 8 — Tractor, wooden wheel box wagon, old farm machinery, used lumber, tools & antiques E. of Enterprise for Bill & Helen Foreschler. Auctioneers: Chamberlin Auction Service.
- October 8 — Truck, tractors, trailers & equipment, buggy & collectibles & misc. at Lawrence for Mrs. William S. (Bill) Margorie Markley. Auctioneers: Elston Auction Co., Mark Elston & Jason Flory
- October 8 — Fiesta, Roseville, KU items, antique furniture, vintage airplane & car models, Regular clock, coins, guns, glass & porcelain, quilts, die cast banks at Abilene for Mrs. Verl "Glenda" Anderson. Auctioneers: Reynolds, Mugler & Geist.
- October 8 — Farm items, haying & livestock equipment N. of Topeka for Circle B Retirement/Reduction. Auctioneers: Murray Auction and Real Estate.
- October 8 — Woodworking tools, shop tools, utility pickup, furniture, antiques & misc. at Clay Center for Gary & Sue Caldwell. Auctioneers: Kretz, Hauserman, Bloom Auction Service.
- October 10 — Russell County land at Russell for Joseph & Carol Ross. Auctioneers: Farmland Auction & Realty Co., Inc.
- October 12 — Russell County CRP, grassland & producing oil at Russell for Saline River Ranch, Inc. Auctioneers: Farmland Auction & Realty Co., Inc.
- October 13 — Marion County farm & grassland at Herington for Martha R. Melcher Trust. Auctioneers: Reynolds Real Estate & Auction Co.
- October 14 — Flint Hills Ranch, 3 tracts at Augusta for Jim & Sally Reeves. Auctioneers: Sundgren Realty Inc., and Farm & Home Realty.
- October 15 — Acreage, pasture, hunting N. of Seneca for Ollie Bauman Trust. Auctioneers: Midwest Land & Home, Mark Uhlik.
- October 15 — Tractors, Gator, skidsteer, ATV, combine, JD mower, trucks, tillage equip., implements, trailers, tools, antiques, household & misc. at Leavenworth for Ken & Shonee Metcalf. Auctioneers: Dale Douglas Auctions.
- October 18 — Real estate (pasture) & farm machinery at Topeka for Circle B Retirement Reduction. Auctioneers: Murray Auction & Realty.
- October 25 — Cloud County land at Concordia for Debra Rodgers, etux. Auctioneers: Midwest Land & Home, Mark Uhlik.
- October 26 — Angus & Charolais Bull sale at Randolph for Fink Beef Genetics.
- October 27 — NW Wabaunsee County cropland, older farm house, farm buildings at Wamego for William A. Martens. Auctioneers: Pearl Real Estate & Appraisal Service.
- November 3 — Saline County farmland & grassland at Salina for the Joe White Trust. Auctioneers: Riordan Auction & Realty.
- November 5 — Harley Gerdes consignment auction at Lyndon.
- November 6 — Shades of Red & White Show Calf Sale at Clay Center. Lori Hambright, sale manager.
- November 6 — Angus annual female sale at Westmoreland for R&L Angus.
- November 10 — Pasture & cropland at Miltonvale for Heirs of Wanda Comfort Trickle. Auctioneers: Larry Lagasse Auction & Real Estate.
- November 10 — Dickinson County farmland & grassland at Abilene for Harold L. & Edna M. Emig Trust. Auctioneers: Riordan Auction & Realty.
- November 12 — 20th bull sale featuring Simmental, SimAngus, Angus & Red Angus at Moser Ranch.
- November 14 — John Deere machinery, farm related items & misc. S. of Waterville for Jim & Rhonda Tilley. Auctioneers: Kretz, Hauserman, Bloom Auction Service.
- November 19 — Annual Angus bull sale at Eureka for Dalebanks Angus.
- November 29 — Ottawa County farmland at Salina for Stan & Jeanne Pangrac. Auctioneers: Riordan Auction & Realty.
- December 31 — Harley Gerdes 27th annual New Year's Consignment auction at Lyndon.

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# BAXTER BLACK

ON THE EDGE OF COMMON SENSE

## The Misery Index 2011

Economists have a mythical figure called the misery index. It is the total of the unemployment rate added to the inflation rate. This summer in the U.S. it's running about 13.0. The lower the better. In both the '90s and '00s it's been as low as 7. To calculate indexes like this, the conclusion can be broadly accurate. But, to make it more personal one can include more variables. For instance, take one inch of rain as a factor. The misery index of an alfalfa farmer with hay on the ground would be 15.6. It

would have been 16.0 except his prize pumpkin patch was getting parched. Or say you were entered up in Cheyenne at the big rodeo and that one inch of rain fell the hour before you were to compete in the bull dogging. Your misery index could be as high as the weight of your hazer! Another broad category would be the temperature. At the winter Olympics, the misery index would rise as the temperature did. But say Billy Bob went to the three-day tailgate party at the Oklahoma versus

Kansas football game. The hotter it got in the parking lot, the more beer you could hold! So the misery index would decline!  
To personalize the misery index even more... and remember lower is better, you could include factors like:  
• years since you bought a new pair of boots + unemployment + inflation or  
• semesters till your daughter graduates from vet school, plus, plus

• months you have left on your truck payments, plus, etc.  
• age of the horse you are riding, plus  
• payments left on your alimony, well, you know  
• therapy sessions until your hip heals so you can get back on your horse... and  
• time you have left wearing the court-ordered ankle bracelet  
I was at a livestock convention a while back and

after the big show a group of pretty salty cowmen were conversing. They got to comparing injuries and insults. I mentioned the misery index. They loved it! They could compete in who was the worst off! However, they began to get far afield in the categories to be counted as the evening went on: i.e., the number of missing teeth with no cavities you still have left, the number of times you've been bucked off lately, number of horses

that have been dumped on your place, number of times you've been turned down by a barmaid until you met your wife, the number of times you lost your wallet, car keys and/or glasses in the last week but... Bud was finally judged the winner of the misery index by counting the number of times his old, incontinent dog peed in the pickup seat...plus inflation and unemployment. It nearly reached President Carter's old record of 21.9.



Tom Humberg of Great Bend paid tribute to the victims of the September 11, 2001 attacks with a hand-built display at the Kansas State Fair. There are 16,000 blocks in the replicas of the Twin Towers and Pentagon, all of which Tom cut himself. Ten blocks were left unassembled, which would be put in place after the State Fair 9/11 Memorial Ceremony by local dignitaries including the State commanders of the American Legion and VFW.

Photo by Donna Sullivan

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- Fall Cow/Calf Pairs
- Fancy Spring Heifer Calves
- Many Spring Bred Heifers
- Proven Donors

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<p><b>MILL BRAE 112 JOANTIE 6137</b></p> <p>BW: 1.0 WW: +57 YW: +100 Milk: +26 SW: +31.13 SB: +51.51 A tremendous set of spring calving cows will sell including this Pathfinder Dam sired by Rito 112 from a Connealy Forefront dam. She is safe in calf to Connealy Stimulus and her heifer calf by SAV Bismarck 5682 also sells.</p>	<p><b>LYONS PRIDE 9012</b></p> <p>BW: .8 WW: +53 YW: +93 Milk: +26 SW: +30.75 SB: +69.14 An impressive set of fall pairs will be selling, many like this two-year old sired by Mytty In Focus from a dam by Bon View New Design 1407. She sells with a calf at side sired by SAF Connection and her full sister will sell with a calf at side sired by Rito 616 of 4B20 6807.</p>
<p><b>HINKSON PRIDE TK009</b></p> <p>BW: -1.7 WW: +57 YW: +103 Milk: +33 SW: +33.57 SB: +43.83 This spring bred heifer sells safe in calf to Kesslers Frontman R001, due 2/17/12. She is sired by CAR Efficient 534 and from a dam sired by Mytty In Focus.</p>	<p><b>HPR FINAL ANSWER 0016</b></p> <p>BW: -1.2 WW: +64 YW: +104 Milk: +23 SW: +36.15 SB: +56.14 A highlight of the spring bred heifers will be this daughter of SAV Final Answer 0035 from a dam sired by SS Objective T510 OT26. She sells due to calve 3/12/12 to Kesslers Frontman R001.</p>

**Sale Managed By:**

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