

# GRASS & GRAIN®

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## Data-driven decisions could avert global food crisis

By **Donna Sullivan,**  
Editor

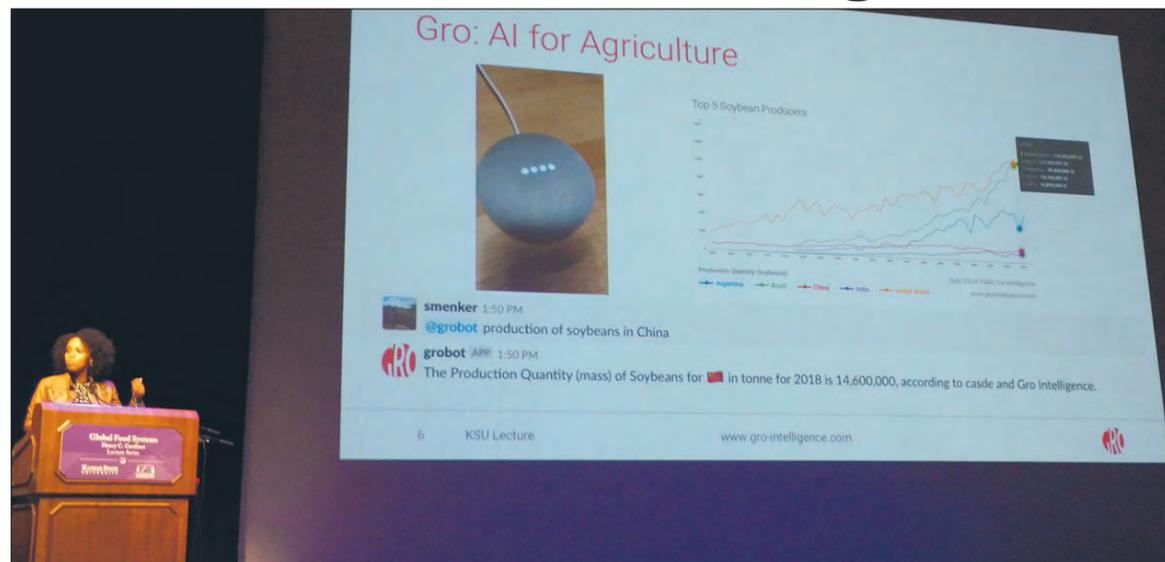
Much has been said in recent years about the potential food crisis looming on the horizon as the global population approaches 10 billion by 2050. Sara Menker thinks the crisis could actually happen sooner than that. Or it doesn't have to happen at all.

Speaking at the fifth Henry C. Gardiner Global Food Systems Lecture, Menker, a native of Ethiopia, left a career as a commodities trader to found Gro Intelligence, a technology company that aims to bridge the information gap in agriculture by providing crucial data to help those involved in food production all around the world find the efficiencies they need to be successful.

"Gro Intelligence is AI (Artificial Intelligence) for agriculture," Menker told the audience. "It allows the users of our software to make better and faster decisions by quickly understanding and predicting factors that affect the availability and prices of agricultural products." She went on to explain that agriculture is an \$8 trillion market that lacks a centralized repository that has normalized all the data and allows for information discovery on a large scale. She described Gro Intelligence as a massive data product that serves as a search engine as well as a predictive engine for understanding global food systems.

"The fact that agriculture is one of the oldest industries, but one of the least understood, was not okay with me," she said. "It wasn't okay with me because I saw the revolution that occurred in many other markets. Agriculture is so far behind and that's largely the reason why capital allocation in ag doesn't occur on a long-term basis; it actually happens on a much shorter-term basis." She pointed out that to get a producer to hedge even two years forward is practically a miracle. "The fact that a two-year hedge in the U.S. is as advanced as it gets, means the rest of the world is living day to day," she said. "It's not sustainable. Information is what drives that ability to essentially manage and hedge that risk. Without that we can't thrive and we can't build markets."

The company currently takes about 30 million data sets in multiple languages and formats that translate into 350 trillion data points they're processing



Sara Menker, founder of Gro Intelligence, explained how using data to properly manage the world's food production resources could help prevent the food crisis expected as the world population nears 10 billion.

on a daily basis. Menker said the best data from each country tends to come in some form of a native or national language, with English coming later. The timeline from when data from China gets reported in Mandarin to when it becomes available in English is about a year and a half. "So you can get data a year and a half earlier if you only spoke Mandarin," she said. "Well, you don't have to speak Mandarin with our system, we'll do that translation."

The data from a wide range of sources has to be cleaned and translated, then normalized, which is a key part of the process. "The definition of a year across countries is never the same," she explained. "Some countries report in calendar years, others report in market years and if you're reporting in market years, it's tied to the crop cycle. How do you normalize all that? How do you clean it up so that if a person is searching for something and they're comparing five different sources, it's actually finding the right information that you need and it's giving it to you in a comparable format."

The company isn't in the data business for data's sake. Their vision, according to Menker, is cheap and abundant food. "It's simple and really difficult," she reflected. "It's simple because I believe we actually have answers for it. It's difficult because it involves a lot of behavioral change and it involves a lot of people thinking collaboratively and acting together. The human aspect of this is a lot more complicated than the scientific side of things."

While most people in agriculture have heard the reality that in order to feed the world's population in 2050, we will have to produce more food than we have in all of history up to that point. Menker doesn't believe the language currently used in the conversation is specific enough, or as helpful as it could be. "We hear, 'How do we feed 9 billion people by 2050?' The forecast for 2050 is actually closer to 10 billion and I had no idea where the 2050 came from. So we came up with a scientific way of saying what is actually the tipping point by when we should actually care?" Rather than looking at the number of tons of food that would be needed, they converted it to calories, as that is what actually sustains humanity. According to Menker, an additional 214 trillion calories will need to be produced



Representing the Gardiner family, Mark Gardiner presents Sara Menker with a package of U.S. Premium Beef steaks following her presentation at the Henry C. Gardiner Global Food Systems Lecture, held October 8 at McCain Auditorium.

every year beginning in 2027. She equated it to 379 billion Big Macs, which is more than McDonald's has produced altogether in its history.

In ten years, China, who is already in a calorie deficit and a food importer, will have an annual calorie gap of 800 trillion calories. "Basically, China was self-sustaining until it wasn't," she said. "Then it

was off the charts and off to the races."

China has put forth a series of five-year plans, and continues to look fifty years into the future as they consider feeding their population. They have a diversification plan that involves land deals by the Chinese totaling about 17 million acres around the world. Had a land purchase in Australia not been blocked

process that Menker believes is key to preventing a global food crisis. But while removing the emotion and simply looking at the facts is an important component, she knows that's easier said than done. "Food and agriculture is one of the most emotion-driven studies I know," she said. "Food is deeply emotional because it's tied to our culture and where we come from." She said that the process must be unbiased and completely transparent so people can ask the really tough problems on the way to solving them. "Enabling the melting of our minds is just not happening in our food system," she said.

Looking at where food could come from in the future, Menker points out that while the United States has 400 million acres of arable land, Africa has 1.7 billion acres. "So it's not a shortage of land, it's not a shortage of productivity, it's simply our inability to change the way the system has been function for a long time and the ability to ask the tough questions and make tough choices." For instance, the consolidation of small family farms could be necessary. The displacement of the children of the farmers could mean a mass migration to the cities, where there won't be enough jobs, resulting in high unemployment and civil unrest. "So you say, plan education differently so the education system is essentially training a generation of youth that is ready for the future, rather than a generation for the past."

"It's about rethinking of the world world as a connected system beyond it," she concluded. "Let's act on this today as opposed to worrying about it twenty years from now. 2050 makes you think you have a lot of time. We don't have a lot of time."

## Industrial hemp focus of statewide meeting series October 22-23

The opportunity to grow a new specialty oilseed crop in Kansas offers potential for diversification for Kansas farmers looking for an alternative crop, or for new farming enterprises interested in cultivating industrial hemp. In a series of meetings across the state, Canadian farmer Rod Flaman will share how the Canadian hemp market has evolved and how he grows and markets his crop.

Flaman has raised commercial hemp on and off since it was legalized in 1998. "We've forgotten everything about hemp, the fibre, the pharmaceuticals, the food. So you've got to build this entire industry from square one and it's a slow process re-inventing an industry that has been non-existent for 80 years," Flaman said.

"This is a wonderful opportunity for farmers considering growing hemp in Kansas in the future to learn the basics and the challenges of growing and marketing industrial hemp directly from a large Canadian producer who has been doing it for years," says Kansas Farmers Union president Donn Teske. "Rod knows what it takes to grow hemp, this

year he has 500 acres that he is harvesting. We all hear of the magic of hemp, but so far the basics of just what it takes on one's farm to grow and market it isn't really out there yet in Kansas. Rod can give a perspective of that."

In addition to Flaman's presentation, the Kansas Department of Agriculture will provide an update on what is in the industrial hemp law, rules and regulations and how to prepare to participate in this new adventure.

Josh Roe, Deputy Secretary, Kansas Department of Agriculture states, "The Kansas Department of Agriculture is committed to providing an environment that enhances and encourages growth in Kansas agriculture. We support opportunities to grow new alternative crop varieties in the state. Senate Bill 263 provides the opportunity for important research on the viability of growing, processing and manufacturing industrial hemp in Kansas."

Dates and locations for the meetings are:

**Manhattan**  
**Monday, October 22**  
9:00 a.m.-11:00 a.m.

Kansas Department of

Agriculture  
1320 Research Park Dr.  
Manhattan, KS 66506

**Salina**  
**Monday, October 22**  
1:30 p.m.-3:30 p.m.

Kansas State University  
State Polytechnic  
College Center Conference Room  
2310 Centennial Rd  
Salina, KS 67401

This meeting is co-sponsored by K-State Polytechnic Civic Lecture series and the Central Kansas District, Kansas State University Extension.

**Colby**  
**Tuesday, October 23**  
8:00 a.m.-10:00 a.m.

City Limits Convention Center  
2227 South Range  
Colby, KS 67701

Thomas County Economic Development Alliance is the co-sponsor of this meeting.

**Garden City**  
**Tuesday, October 23**  
3:00 p.m. - 5:00 p.m.

KSU Southwest Area Research Center  
4500 E. Mary St  
Garden City, KS 67846

There is no cost to register for the meetings. To RSVP, visit [kansasfarmerunion.com/events/](http://kansasfarmerunion.com/events/) to select a meeting location.

For more information,

contact Donn Teske, 785-770-0336 or [dteske@nfudc.org](mailto:dteske@nfudc.org), or Mercedes Taylor-Puckett, [kfu.mercedes.taylor@gmail.com](mailto:kfu.mercedes.taylor@gmail.com).

Meetings are sponsored by the Kansas Farmers Union, the Kansas Department of Agriculture, and Kansas Center for Sustainable Agriculture and Alternative Crops. The Salina meeting is co-sponsored by K-State Polytechnic Civic Lecture series and the Central Kansas District, Kansas State University Extension. Thomas County Economic Development Alliance is the co-sponsor of the meeting in Colby.

Governor Jeff Colyer, M.D. signed Senate Bill 263 on April 20, which enacts the Alternative Crop Research Act allowing the Kansas Department of Agriculture to oversee the cultivation of industrial hemp in a research program. KDA has begun the process of developing rules and regulations to guide the Alternative Crop Research Act. Additional information on the Industrial Hemp Research Program is located on the KDA website: <http://agriculture.ks.gov/divisions-programs/plant-protect-weed-control/industrial-hemp>.

# Insight

KANSAS FARM BUREAU  
The Voice of Agriculture

## Cutting Cattle Numbers

By John Schlageck,  
Kansas Farm Bureau

Mother Nature turned the tables this year in Kansas as eastern Kansas cattle producers dealt with diminished grass for their livestock while central and western regions of the Sunflower State flourished with pastures nourished by abundant rain.

In southeastern Kansas, Jim DeGeer, veteran cattleman from Neosho County, says a long, cool spring delayed native grasses (used for summer grazing) from taking off and growing like they normally do. And when it finally

did warm up, conditions were so dry, these grasses never had the opportunity to grow.

"Our pastures were extremely short all summer," DeGeer says. "I know the guys who cut prairie hay throughout our regions and they told me production amounted to only a third to one-half the normal output."

Yep, forage availability has been tight in much of southeastern Kansas beginning in June and running into August.

"It's been dry most of the summer," the veteran cattleman says. "We were

drier and had less grass this summer than during the bad drought years beginning in 2011 and running through 2013."

Then in mid-August, it started to rain, and the grass began growing and greening up a bit, DeGeer says. By the end of September, the pastures looked like they should have.

Despite the dog days of summer, DeGeer says his cows managed to stay "looking pretty good."

So, what will this dry spell mean to cattlemen like DeGeer in the long run?

"We're starting to pregnancy check our herd and we're seeing more open (not with calf) cows than we normally do," the long-time cattleman says. "I'm sure weaning weights on the calves will be less this year as well."

While this scenario is not one any cattleman wants to be faced with, DeGeer will live with the hand he's been dealt, make changes and move ahead.

This will mean reducing the family cow herd this year. In turn, this will allow the pastures a chance to recover from the dry summer of 2018.

Buying additional feed for his livestock will also mean steeper prices for big round bales. Prices for this coveted commodity

## USMCA produces certainty, modest agriculture gains, renewed focus on China

The overhauled North American Free Trade Agreement, now named the United States-Mexico-Canada Agreement, or USMCA, which is expected to be ratified next year,

have jumped from \$30-35 a bale to \$75-100 each.

"We buy a lot of hay anyway," the Neosho County cattleman says. "We'll need to pay the piper to keep our cow herd well fed."

DeGeer isn't the Lone Ranger when it comes to cutting cow numbers. Neighbors and other livestock producers are faced with the same dilemma.

"I laugh to myself this year," DeGeer says. "I grew up in south-central Kansas, in the Gypsum Hills around Medicine Lodge, and cattlemen have received more rain out there than we have in southeastern Kansas during the summer."

This year is one DeGeer is looking forward to closing the book on. He does not relish paying top dollar for feed at the close of the year especially when some will not even be the best quality.

"It's kind of been one of those years," the veteran cattleman says with a shrug of resignation in his shoulders. "Next year's going to be better."

*John Schlageck is a leading commentator on agriculture and rural Kansas. Born and raised on a diversified farm in northwestern Kansas, his writing reflects a lifetime of experience, knowledge and passion.*

will accomplish some important objectives for U.S. agriculture. However, what was not accomplished in the agreement is just as important according to a new report from CoBank's Knowledge Exchange Division.

While having an agreement improves certainty, brings more market access and allows the White House to focus trade talks on fewer fronts, it does not provide a pathway to eliminate existing retaliatory tariffs - where industries such as dairy and pork have been hardest hit.

"Canada and Mexico are the first and third largest export markets for U.S. agriculture, accounting for more than a quarter of all U.S. agriculture exports," said Dan Kowalski, vice president of CoBank's Knowledge Exchange Division. "This agreement will advance the ball for some sectors, but for others, the deal represents a return to the status quo. Market access gains will be modest, but we expect the increased certainty to boost domestic and cross-border investment. However, Canada and Mexico still have tariffs in place that affect the U.S. dairy, pork and beef sectors. U.S. agriculture will have much more to celebrate when those barriers are removed."

## Prairie Ponderings

By Donna Sullivan

As I write this, we are in the midst of National Newspaper Week. Newspapers have been a big part of my life ever since I was a junior at Chapman High School and earned a spot in June DeWeese's journalism class. It was a class you couldn't just take, you had to apply for it and be accepted. We worked on every aspect of the industry from ad design and sales to news, sports and feature writing, as well as layout for both the newspaper and yearbook. I loved everything about it.

When I was a stay-at-home mom, I began writing for our local paper. That led to working in the office on ad design and layout when the kids went to school, then eventually buying it. Five years later I became editor here at Grass & Grain. I always tell people if you cut me, I bleed ink... or coffee, depending on the day.

There are people who believe newspapers are a dying form of communication. I don't believe that. Has the industry suffered a bit? Sure. When the internet came along, the prevailing thought was, "We better get on this train or we'll get run over by it." Newspapers devoted a great deal of their resources to developing websites in the hope that people would pay for their content. In most cases, it didn't work. People could find most of the information in the newspapers elsewhere on the internet for free, so why would they pay for it?

I operate the paper I own using what I call the "Who Cares?" factor. Here's how my theory came to be. When I first bought the paper, my youngest daughter was doing some typing for me. All of the sudden she yelled, "Who cares!?" and banged her head on the desk. She was in the middle of typing a community news article about who had gone to visit who and what they had for lunch.

"Honey," I said. "All those things the rest of the world doesn't care about are what makes us who we are. We care about them." As I continued to think about it, I realized that if that paper isn't filled with dozens of "Who Cares" items every single week, there is really no reason for its existence. I could go to the internet and find all kinds of interesting stories, but guess what? So could my readers. And why pay for my paper if they can get everything in it on the internet for free?

The same thing applies here at Grass & Grain, only on a larger scale. The area I reach is much bigger, but I'm still serving a community - the ag community. Some of the information you will find in our pages could be found on the internet, but much of it can't. We try to find as much original content as possible, work to showcase agriculture in all its forms and promote our hard-working producers of all ages and specialties. That's why it might take me until Christmas - and a couple of times it has - to run all the county fair champion photos that are sent to me, but I will run them. It matters to you, so it matters to me.

For several years now, social media has been looked to as a news source, but I think those days might be numbered. In a rush to put something out there, often facts are misrepresented. Writing style can sometimes be sloppy and bias is often evident.

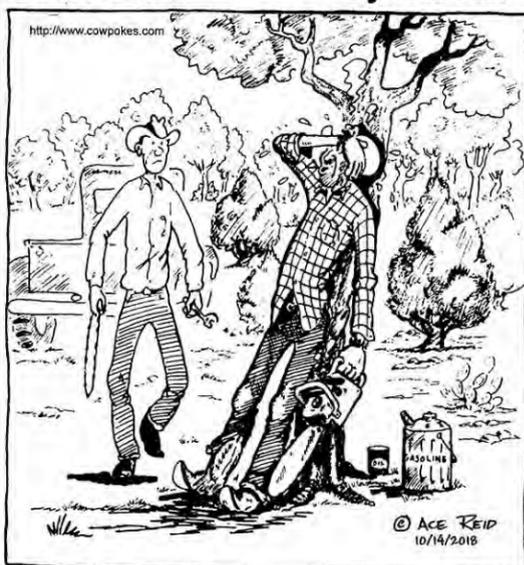
Neither of the papers I put together are dailies, a fact I'm quite grateful for. It gives me time to check facts and make sure all the details are correct. Rarely am I going to break a big news story with a weekly, and I always say I'd rather be right than fast. I think accuracy is what gives credibility to newspapers that make it a priority.

Then of course there is the subject of bias, which I've written about several times. Because this is an agriculture-focused paper, its bent will always be towards what is good for the industry. But there are still multiple sides to many issues, and I try my best to make sure all are presented when possible. I've always believed the role of media in society is to inform, not to influence.

So when it comes to the "Get on this train or get run over by it" mentality, I have a different idea. Newspapers need to reclaim their "tracks." If we do our jobs right and provide a product that people find relevant and useful to their lives, there will be a place for us in the market for a long time.

If we don't, we just might get run over by that train, but there will really be no one to blame but ourselves.

## COWPOKES® By Ace Reid



"If we worked as hard asawin' as we do startin' this thing, we'd have 10,000 acres cleared!"

## DUST ON THE DASHBOARD

by Glenn Brunkow



I have always been convinced that in agriculture we are our own worst enemies. We have this mindset of just doing our jobs, not worrying about what is said about us and working harder when times get tough. I agree that all of these are admirable qualities and the whole world would be better if everyone adhered to these ideas. However, we all know that is not the way of the world and something that happened last week just reinforced that for me.

Last week I came across an article comparing the price of corn in August of 2018 and the price of corn in August of 1974. Guess what? They were the same. The idea that we are getting the same price for our product that we did forty-four years ago is hard for me to get my mind around. I found this so appalling that I posted it on my Facebook page. Yes, I know social media is a double-edged sword and by sharing it I was opening myself up. That thought never crossed my mind; I thought I was revealing some great injustice.

For the most part, my post was seen as I had hoped. Most of my friends were acceptably outraged and many reposted it with comments about how wrong it was. Then one of my friends made a remark about how our production had gone from around seventy bushels per acre to one hundred and seventy and there was our profit.

I have to admit, at first I really didn't think much of his remark, other than I had not expected that kind of reaction. That day I could not get it out of my mind; we were in corn harvest and I promise you that the yields this year were closer or even below the 1974 yields and nowhere near the modern expected yield. Maybe that is what made the comment hit so close to home.

More likely it was the idea that because we could produce more corn on the same acreage that we should not expect more for each bushel. Did that mean if GM is producing the same number of cars they should also be pricing them at a 1974 level? I hope so. My guess is that GM would tell you that with the increases in technology we now have a safer, more economical and much more modern car to drive. So why is it not that way in agriculture? Why? Because our consumer has been spoiled by the low cost of food. They think nothing of pay-

ing thousands of dollars for the newest shiniest anything but if the cost of food goes up a few pennies, it is too much.

My response to my friend was that we have gotten much better at producing the food we all rely on, but that comes at a price also. The price of the seed corn itself has gone up dramatically during that time. We are paying for the technology that allows us to produce more but unlike many other things, we cannot recoup that increase in price. The technology of producing the crop has increased dramatically in the last forty-plus years and with that comes a hefty price that we are expected to absorb.

The increased cost of technology does not take into account the increases in other costs like fuel and oil, tires, taxes (I will guarantee we are paying more taxes), the cost of parts, the list goes on and on. I defy you to find a cost that is lower than it was in 1974. We all know how the price of land and rental rates have gone up much more during this time period. Sure, we get a lot more bushels per acre if Mother Nature cooperates but those bushels cost us significantly more than they did forty years ago.

The ability to take prices for our products that are the same as they were forty-four years ago while paying for our inputs at current prices is amazing. I dare you to name another sector of our economy that could or would do that. In agriculture we take the prices we are given and consider ourselves lucky to get that much. Farmers and ranchers are the most selfless people I know. When we are thrown obstacles we take on the challenge and put our shoulders to the wheel. We would never think of complaining or defending ourselves.

We are so blessed in this country to have a food supply that is so abundant and affordable that consumers take us for granted. What other industry would a consumer say should be happy with 1974 price levels because they are more efficient and productive? None other than agriculture. I am proud to be part of such a great industry, but we need to start educating our consumers about our situation. Everyone who drives a car, wears clothes and eats is dependent on agriculture and our survival. Last time I checked that was everyone I know, and after all, nothing is as expensive as cheap food when it is gone.



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Editor — Donna Sullivan  
gandgeditor@agpress.com

— Advertising Staff —  
Steve Reichert  
agpress2@agpress.com

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# Marshall thrilled to see regs lifted on renewable fuel

Last week the Trump Administration announced plans for the Environmental Protection Agency to begin allowing the sale and use of E15 throughout the year. This is great news for Kansas producers; specifically, corn, sorghum, and ethanol plants around the state.

"The ban that was placed on E15 stifled summer consumption of ethanol and unnecessarily limited options for consumers at the pump," Rep. Roger Marshall said. "When net farm income is already at the lowest dollar level in an almost decade, handcuffing our producers with absurd regulations is the last thing we needed. I am thrilled for the relief and certainty this will bring to the ag economy."

This announcement ends the uncertainty that comes every year when antiquated rules take effect for portions of the country that limit the use of E15.

"This is another big win for our biofuels industry, and also the Kansas consumer who will be able to purchase high quality, high octane, cleaner fuel at a lower price. Lifting these regulations is a great victory for Kansas, and I am thankful that the President and Acting EPA Director Wheeler put our farmers and consumers first," Marshall said.

E15 gasoline is approved for use in all vehicles made since 2001. Which today, makes up 90-percent of the cars on

the road.

"President Trump delivered a big win for Kansas agriculture today," Tom Willis, CEO of Conestoga Energy. "I'm grateful for his commitment to putting America and our farmers first so that we can keep doing what we do best: providing clean and affordable renewable fuel for our nation."

Conestoga Energy is the largest ethanol producer in the state. This announcement will lead to a win-win solution that supports a multitude of jobs across our energy sector.

"We have a great product that is produced here in our state, is a cleaner, safer fuel additive, boosts octane, and lowers fuel prices," Kansas Corn CEO Greg Kriesek said. "Federal regulations were holding us back, and President Trump has held true to his promise to help us get more access to markets for our corn-based fuel."

Kansas ethanol plants produce nearly half a billion gallons of ethanol a year and creates more than 700 jobs at these plants. Ethanol production also indirectly supports more than 4,000 jobs across the state.

"It is clear the Administration understands the importance of ethanol. This is terrific news for the ethanol industry, American farmers, and the U.S. consumer. We look forward to working with the Administration on implementing this welcome and needed change," Ron Seiber, CEO of Renew Kansas said. Renew Kansas represents independent ethanol producers and farmers in the ethanol production industry across Kansas.

The sale of E15 is vital to our farmers, ethanol producers, and rural communities.

"We at Kansas Ethanol, LLC are very pleased to hear of the Trump Admin-

istration's announcement to allow year-round E-15 sales and increase RINs market transparency," Michael Chisam CEO of Kansas Ethanol, LLC. said.

With twelve ethanol plants in the state and eight of them in Congressman Marshall's district, Kansas is in a position to be a top ethanol exporter and leader in renewable fuel production.

"It is clear the Administration understands the importance of E-15 fuel and the multitude of benefits it provides to the economy and consumers," Chisam said. "This is terrific news for American farmers and everyone that enjoys a cheaper, cleaner-burning choice at the pump. We look forward to the full implementation of this welcome and needed change."

# Pork producers laud Trump for bolstering ties with Japan

The National Pork Producers Council strongly praised the Trump administration, following the announcement by the White House that the United States and Japan soon will begin trade talks. The Asian nation is the U.S. pork industry's No. 1 value market, importing in 2017 more than \$1.6 billion of U.S. pork.

"This is fantastic news for America's pork producers," said NPPC president Jim Heimerl, a pork producer from Johnstown, Ohio. "Japan has been our top export market for years, so it's good that the administration wants to solidify the relationship with that important economic and geopolitical ally."

"This is very positive for the U.S. pork industry, and it comes at a time when pork producers were having concerns about losing market share in Japan."

That's because the U.S. pork industry's biggest competitor, the European Union, recently concluded negotiations on a free trade agreement with Japan. That deal is set to become effective early next year. Additionally, the Comprehensive and Progressive Agreement for Trans-Pacific Partnership (TPP minus the United States) is expected to be finalized in early 2019.

"We look forward to working with the Trump trade team on bolstering ties with one of our most important trading partners," Heimerl said.

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# GRASS & GRAIN Our Daily Bread

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

This Week's Weekly Recipe Contest Winner

Is Kellee George, Shawnee  
Winner Kellee George, Shawnee:  
**GOULASH**

- 2 pounds ground beef
- 2 onions, chopped
- 3 cloves garlic (can use garlic powder)
- 3 cups water
- 2 cans tomato sauce
- 2 cans tomato soup
- 2 cans diced tomatoes
- 2 tablespoons Italian seasoning
- 3 tablespoons soy sauce
- 1 tablespoon seasoned salt
- 2 cups macaroni

Ketchup (add a few squirts ketchup)  
In a big pot brown ground beef. Drain grease. Add onions and garlic and saute until tender, about 5 minutes. Add 3 cups water along with tomato sauce, soup, diced tomatoes, Italian seasoning, soy sauce, ketchup and seasoned salt. Stir well. Place lid on pot and cook for 15-30 minutes. Add macaroni and stir well. Return lid to pot and simmer about 30 minutes or until macaroni is cooked.

Gin Fox, Holton:  
**JALAPENO CRESCENT ROLLS**

Roll out the crescent rolls. Spread cream cheese on dough. Place ham on the cream cheese. Place jalapeno slices on ham (as little or as much as you want). Roll up the crescent roll. Bake as directed on package.  
\*Optional idea: Spread a little jalapeno jelly on the cream cheese for an extra kick.

Lydia Miller, Westphalia:  
**SCALLOPED CABBAGE**  
1 medium head green cabbage, chopped  
1 medium onion, diced  
1/2 cup water  
5 tablespoons butter, divided  
2 tablespoons all-purpose flour  
1 cup milk  
1 teaspoon salt  
3/4 cup shredded Cheddar cheese  
1/4 cup bread crumbs

Preheat oven to 350 degrees. In a large saucepan place chopped cabbage, onion and water. Cover and steam until tender; drain. Spoon into greased baking dish; set aside. In a small saucepan over low heat, melt 3 tablespoons of the butter. Stir in flour until smooth. Add milk, stirring constantly, until smooth. Add salt and cheese, stirring until cheese is melted. Pour cheese mixture over cabbage mixture. Sprinkle with bread crumbs then dot with remaining butter. Bake 30 minutes or until golden brown. Makes 6 servings.

Rose Edwards, Stillwater, Oklahoma:  
**PARMESAN CHICKEN**

1/2 cup butter, melted  
2 teaspoons dijon mustard  
1 teaspoon Worcestershire sauce  
1/2 teaspoon salt  
1 cup dry bread crumbs  
1/2 cup Parmesan cheese  
6-8 boneless skinless chicken breast halves  
In a bowl, combine melted butter, mustard, Worcestershire sauce and salt. In a plastic bag combine

bread crumbs and Parmesan cheese. Dip chicken in butter mixture then shake in crumb mixture. Place in an ungreased 9-by-13-inch baking pan. Drizzle any remaining butter mixture over chicken. Bake at 350 degrees for 40-45 minutes or until chicken is no longer pink and juices run clear.

Millie Conger, Tecumseh:  
**HAMBURGER HASH**

1 pound ground beef  
1 cup diced onion  
1/4 teaspoon salt  
1/4 teaspoon pepper  
1/2 teaspoon garlic powder  
2 cans cream mushroom soup  
1 can corn, drained  
5 cups diced unpeeled potatoes  
2 cups sharp Cheddar cheese  
Brown beef and onion. Put potatoes in bottom of slow cooker then the beef and onion mixture. Add all other ingredients but just 1 cup of cheese. Cook on low 5 hours. Add remaining cup cheese and cook 10 more minutes.

Kimberly Edwards, Stillwater, Oklahoma:  
**PEEK-A-BOO STEW**

1 pound stew meat  
1 package onion soup mix  
1 can cream of mushroom soup  
1 package frozen peas & carrots  
1/4 cup water  
Cooked rice  
Put all ingredients except rice in crock-pot and cook on low all day. Serve over cooked rice.

## AUCTION

**SATURDAY, OCTOBER 20, 2018 — 10:30 AM**  
Auction located at HERINGTON, KS. 2278 400 Avenue. About 1 mile Southwest of Herington. From Herington Country Club Golf Course, go West 1 mile on 400 Ave. to AUCTION SITE. **MACHINERY, VINTAGE Ford Camper, SHOP TOOLS & MORE, COLLECTOR ITEMS;** Large bench vise mkd. Rock Island; 100-lb. Anvil on wood stand. **HOUSEHOLD & COLLECTIBLES MANY SURPRISES!**  
THESE ITEMS ARE NO LONGER ON THE AUCTION: Allis D-17 tractor with loader; Mule 4x4, as is. Hein-Werner hyd. jack press.  
**SELLER: DELORIS HIRD & The Late LAWRENCE HIRD**  
See last week's Grass & Grain for listings & go to [KSALLINK.COM](http://KSALLINK.COM)  
BOB'S AUCTION SERVICE  
Auctioneer: Bob Kickhaefer, • 785-258-4188  
Clerk/Cashier: Bob's Auction Service

## CENTRAL KANSAS AG AVIATION



## BUTLER COUNTY, KANSAS LAND AUCTION

**WEDNESDAY, OCTOBER 24, 2018 — 6:00 PM**  
AUCTION LOCATION: 201 E. Central — EL DORADO, KS  
**ESTATE of MARGARET CULP, SELLER**  
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## ESTATE AUCTION

**SATURDAY, OCTOBER 20 — 10:00 AM**  
413 Maple — OVERBROOK, KANSAS  
MOTORCYCLES: 2008 Harley Davidson Sportster Nightster & 1982 Harley Davidson White Shovel Head.  
COLLECTOR TRUCKS/PARTS, SHOP EQUIPMENT, COLLECTIBLES/FURNITURE & MISC.  
See last week's Grass & Grain for listings & Please visit us online [www.KansasAuctions.net/elston](http://www.KansasAuctions.net/elston) or [www.FloryAndAssociates.com](http://www.FloryAndAssociates.com) for 100+ pictures!  
Very large Auction! Concessions: North Osage 4-H Club  
**SELLER: DON BRYANT ESTATE**  
AUCTIONEERS:  
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- Or Stop by the Grass & Grain Office:  
- 1531 Yuma St., Manhattan. KS -  
**Office Hours:** Monday-Friday, 8am-5pm

## Prize for OCTOBER & NOV. 6 & 13 2018 "Our Daily Bread" Recipe Contest Prize

### Glass Salad Dressing Maker

Mix up and store a variety of delicious homemade recipes with this Glass Salad Dressing Maker. It features 6 low-fat recipes written on the bottle, with easy-to-read measuring lines for the main ingredients. Has a locking, twist-off plastic cap to keep your dressing creations fresh. 11 oz.

The winner each week is selected from the recipes printed. Send us your favorite recipe. It may be a main dish, leftover, salad, side dish, dessert, or what-have-you.  
1. Check your recipe carefully to make certain all ingredients are accurate and instructions are clear. 2. Be sure your name, address and phone number are on the entry. Please include a street address with your recipe entries. A post office box number is not sufficient for prize delivery. Allow 3-4 weeks for delivery.  
3. Send it to: Woman's Page Editor, Grass & Grain, Box 1009, Manhattan, KS 66505.  
OR e-mail at: [auctions@agpress.com](mailto:auctions@agpress.com)

## It's That Time Of Year Again! Checklist For Fall Canning

Fall is a common time when the jars are brought out of storage and the canning equipment gets pulled off the shelf. There is a continued growth in this method of food preservation as more and more people learn (or re-learn) how to can their own food. It's also a good time to make sure the equipment you have on hand is in good working order or to make sure what you decide to purchase is really designed for the type of food preservation you should be using.

If you can with standard equipment, or equipment that was not intended for home canning, the food could become contaminated and/or spoiled. Clostridium botulinum growth in canned food may cause botulism, a deadly form of food poisoning. The spores can live in soil and water for many years and when ideal conditions exist, they produce vegetative cells that will multiply rapidly and can produce a deadly toxin within 3 to 4 days of growth. These toxins thrive in a moist, low acid food that is stored at a temperature of 40 degrees and 120 degrees with less than 2 percent oxygen. These are the same conditions for many of the foods that are canned and stored on shelves at home. When checking out your home canning equipment, here are some do's and don'ts:

DO: Use mason jars designed for home canning. Don't: use leftover glass mayonnaise, jelly, or peanut butter jars passed

down from grandma's house.  
DO: Check your lid's seal. Make sure there are no cracks and that the rubber is still pliable.  
Don't: use a seal that does not fit your lid properly, or is cracked or unusually stiff.  
DO: Use new flats. New flats will ensure a tight seal.  
Don't: use flats that were recycled from a previous year of canning and; Don't: use rusty, bent, or damaged rings.  
DO: Use research tested recipes. Use tested recipes from the USDA Complete Guide to Home Canning, So Easy to Preserve (University of Georgia), or the Ball Blue Book. All these contain research based recipes. All should be 1994 or more recent editions. Older recipes may not have adequate processing times or pressure for safety.  
Don't: Download a recipe off of a social media site that some random person posted.  
DO: Take your dial gauge pressure canner to the Pottawatomie County K-State Research & Extension Office to get it checked for accuracy.  
Don't: assume that it is just as accurate as 5 years when you got it tested.  
DO: Contact Erin Tynon at the Pottawatomie County K-State Research & Extension Office (785) 457-3319 if you have questions about home canning or would like more information about safe home food preservation methods

## SEALED BID AUCTION 50 ACRES OF PROPERTY AVAILABLE

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[www.flinthillsgateway.com](http://www.flinthillsgateway.com) or call 785-221-2724

## AUCTION

**SATURDAY, OCTOBER 20, 2018 — 10:00 AM**  
Auction Location: 15726 SE GRAY RD — LATHAM, KS 67072  
**DIRECTIONS:** From Hwy 400 & SE Stony Creek Rd, south on Stony Creek Rd 6 mi. to SE 170th, east on SE 170th 1.5 mi, continue north on Southwind 1 mi to SE 160th, east .2 mi on SE 160th to SE Gray Rd.  
**PROPERTY OF RICK D. REMSBERG**  
Vehicles & Equipment: 7'x24' Gooseneck Stock Trailer \* Kawasaki Mule 3010 Diesel, 4k Miles \* '94 Chevy C-3500 Pickup 4WD Auto, Bed Mount, Deweze Bed \* '93 Chevy S-10 Pickup 4WD Auto \* Portable Single Animal Digital Livestock Scales \* 6x16 Shop Built Flatbed Trailer Tandem Axle \* Log Splitter \* Single Axle Utility Trailer 5 x 8 \* Stroberg Loading Chute \* Stroberg Panels \* Shop Built Loading Chute \* Studebaker Pickup Bed Trailer \* Lincoln 225 Amp AC Welder \* Coleman 5,000 watt Generator \* Craftsman 5,000 watt Generator \* Pacific Equipment Commercial Trash Pump 200 CC Motor- Never Used \* Fimco 50 gal Sprayer \* Feed Bunks \* Hay Rings \* T Posts \* Stihl FS 80 Weedeater \* Stihl 021 Chainsaw. **Firearms:** S&W SW9VE Sigma Semi Auto Pistol 9mm \* Ruger New Model Single 6 Revolver \* Remington 22 Long Rifle "The Matchmaster" \* Remington 11-87 12Ga \* Remington Model 870 Express 12Ga \* Tri-Star Arms Over/Under .410, 2 3/4", 3" w/choke tubes \* Pneu Dart Doctoring Gun- New in Box. **Antiques:** V-81 Coca Cola Machine \* China Oak Hutch \* Oak Wash Stand \* Oak Full Size Bedroom Set \* Oak Antique Rocker \* Crocks \* No. 40 Dazey Churn \* Egg Basket. **Saddles & Tack:** Chas P Shipley Saddlery KC MO Childs \* Turtle Association Saddle Made by Denver Dry Goods Co. Bronc Saddle \* Vela Roping Saddle \* A.H. Shephard Saddle Pawhuska, OK \* Bridles, Halters, Reins, Ropes \* Pack Saddle \* Branding Irons \* Oster Showmaster Clippers. **Furniture & Appliances:** Magic Chef Admiral Heavy Duty Super Capacity Washer & Dryer \* Kenmore Upright Freezer \* Metro Shelving. **Household & Misc.:** Dishes \* Pots & Pans \* Cast Iron Skillets & Dutch Ovens \* Longaberger Baskets **MANY MISC. ITEMS \* 3% Buyers Premium.**  
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### Spooky Spooky Treats To Try

A few fun ideas for the upcoming Halloween Holiday.



**Spooky Spider Cookies**  
Any kind of cookies, homemade or from cookie dough  
Mini Reese's peanut butter cups  
Candy eyes  
Chocolate chips

Bake cookies as directed. As you take them out of the oven use a teaspoon-measuring spoon to make divots in the middle of the cookie and then allow the cookies to cool completely.

While waiting for cookies to cool, place a cup of chocolate chips in a bowl and microwave them in 12 seconds intervals until they are completely melted. This melted chocolate will be used to drizzle the legs onto the cookies.

Next, place Reese's Peanut Butter Cups in the middle of the cookie where the divot is. By placing a dab of melted chocolate on the back of the candy eyes, you can then stick them into place on the peanut butter cups.

Lastly, use the melted chocolate to drizzle the spiders legs onto the cookies. Let the melted chocolate dry.

\*\*\*



**Bat Bites**  
Mini Reese's peanut butter cups  
Thin Oreo Chocolate Sandwich Cookies  
Pre-made or homemade cream cheese frosting  
Candy eyes

Remove the wrappers from the Reese's cups. Break the cookies in half and then separate all of the pieces from one another so you now have four "bat wings." Scrape off the frosting and discard or just eat. Fill up a plastic bag with the store-bought or homemade frosting. Cut off the tip of the bag and pipe frosting onto the back corners of the broken cookie pieces. Press one cookie piece on the left of the Reese's cup and another cookie piece on the right of the Reese's cup. Pipe frosting on the back of the edible eyes and secure on top of the center of the Reese's cup.

\*\*\*



**Gums and Teeth**  
1 apple  
Jar of peanut butter or other substitute

**Mini marshmallows**  
Start by cutting the apple into slices, then cut them into smaller slices. Put about a teaspoon or two of peanut butter onto each slice of apple, but just on one side of the apple. Then put a row of mini marshmallows across one apple slice.  
Sandwich together with an apple slice that only has peanut butter.

\*\*\*



**Witch's Broomsticks**  
Mini Reese's cups  
Pretzel Rods  
Pull apart Twizzlers  
Unwrap the Reese's cups and flip upside down. In the very center, gently press in a pretzel rod. Pull apart twizzlers and cut in thirds. Tie one individual strand around the pretzel. Tighten and then snip off the ends with scissors.

\*\*\*



**Spider Deviled Eggs**  
6 hard-boiled eggs, halved  
3 tablespoons mayonnaise  
1 teaspoon Dijon mustard  
1 teaspoon vinegar  
1/8 teaspoon salt  
1/8 teaspoon pepper  
Whole black olives  
Cut eggs in half lengthwise. Slip out yolks and mash. Stir in mayonnaise, Dijon mustard, vinegar, salt and pepper. Cut whole olive in half lengthwise. Put one half on mashed yolk for the spider's body. Thinly slice the other half of the olive for the spiders legs. Put four legs on each side.

\*\*\*



*Home and Away*

### The music within

**By Lou Ann Thomas**  
I didn't grow up in a home with music playing in the background. My mother had a lovely alto voice, but rarely sang around the house and I never heard my father sing a single note. Yet, despite not growing up with it, I am a die-hard music lover.  
I have a picture of me on my fourth Christmas in my jammies, playing that year's gift - a drum set! I now wonder who may have disliked my parents enough to buy their precocious four-year-old a drum set - but, oh, how I loved those drums. Unfortunately, my enthusiasm for playing them soon broke through the flimsy paper surface on the drums. At least I think I was responsible for that, although it very well could have been my nerve-stretched-thin parents.  
When I was in grade school I took guitar and piano lessons. I loved playing the guitar, but wasn't so fond of the piano because it required a lot of practice time. One of my more brilliant schemes eventually convinced my mother to allow me to stop piano lessons. I made a deal with her to practice five hours a week, rather than an hour each day. I then saved up my practice time and played for a continuous five hours one Saturday. After listening to me butcher *The Merry Farmer* for half a day, my mother agreed it was time to halt the lessons.  
It's a strange conundrum to love something you aren't good at. With my desire to make music far greater than my ability, I convinced myself I wasn't musical and made the decision to give up ever trying to sing or make melodic music.  
The other day I was in a funk. The cranky chatter in my head was so annoying that I put on some music to drown it out. Soon I was swaying to the rhythm, feeling upbeat and alive again. It was as though the music had been hiding, quietly dormant

inside of me and was finally being allowed to freely pour out.  
Maybe we all have music inside of us - a unique beat or meaningful lyric we alone can sing. Music is an amazing gift. It can fill our hearts and make us feel connected to something larger than ourselves, even when we're feeling small and disconnected.  
Remembering how much I love music has prompted me to re-evaluate my decision about not singing. I've decided to give it a go. I may start in the privacy of my home or car, but I'm going to sing again - loud and proud, and probably badly, but it's time to let the music that's in me out!

### REAL ESTATE AUCTION

**MONDAY EVENING, OCTOBER 29, 2018 — 7:00 PM**  
OSAGE COUNTY • Selling 10178 W. 293rd — READING, KS  
Tract I: 13 Acres± with 944 sq. ft. home & outbuildings.  
TRACT II: 145 Acres± w/92 Ac± Tillable.  
TRACT III: Combination of Tracts I & II, 158 Ac±

**OPEN HOUSE PREVIEWS: Tuesday, October 16 & Monday, October 22 • 5:30-7:00 PM**

**DAVID CHRISTOPHER SMALL, SELLER**  
Brandy Criss-Engler of EK Real Estate Listing Agent, 785-383-3169  
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Pics & Info at: [www.wischroppauctions.com](http://www.wischroppauctions.com)

### AUCTION & RUMMAGE SALE

**SATURDAY, OCTOBER 20, 2018 • 10:00 AM**  
AUCTION LOCATION: 504 Washington St. — CLYDE, KS 66938  
RAIN DATE: SATURDAY, NOVEMBER 3  
Concession Stand with Cinnamon Rolls, Scones, Coffee, Drinks & Soups ... offered by Brenda K & Wendy Gx  
HOUSEHOLD FURNITURE, ACCESSORIES, KITCHEN & DINING ITEMS, ANTIQUES, GLASSWARE, APPLIANCES, OTHER FUNCTIONAL ITEMS, OFFICE, MACHINIST & LAPIDARY TOOLS, YARD & GARDEN, HOBBIES & RECREATION, MISCELLANEOUS, VEHICLES  
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See Oct. 2 Grass & Grain for details, listing & terms or go to websites listed below!  
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### EQUIPMENT & TOOLS AUCTION

**FRIDAY, OCTOBER 26, 2018 — 10:00 AM**  
AUCTION LOCATION: 804 N Haverhill Rd. — EL DORADO, KS  
Vehicles: '13 King Ranch 4 door 4WD Gas 5.0L, 300K miles \* 2008 Isuzu NPR V8 6.0L Gas, Automatic Trans, 16' Flatbed with Toolboxes 219K miles \* '01 GMC 3500 Flat Dump Bed Dually 8.1 Liter Big Block, Automatic Trans \* 2012 Ford Escape ELT 4 Door 4 Cyl \* '13 Chevy Silverado Ext Cab, 1/2 Ton, 5.3L 4WD \* '04 GMC C5500 6.6L Duramax Diesel Dually Dump Truck Rugby Mfg. Dump Bed, 200k miles \* '07 GMC W3500 6.0L Gas Box Van, 14' Box, 162k miles \* '06 Isuzu NPR 6.0L Gas Box Van, 14' Box, 160k miles \* '08 Chevy 1 Ton 6.0L Box Van, 12' Box, Auto, Air, Tilt, Cruise, 259k miles. **Milwaukee Tools:** Sawzalls \* Right Angle Drills \* Wholehogs \* Circular Saws \* Grinders \* SDS Max Drill \* Drills \* Core Drills. **DeWalt Tools:** \* Grinders \* Sawzalls \* Hammer Drills \* several Cordless Drill Sets (Mostly 20 Volt) \* Chop Saw. **Equipment:** Bosch, DeWalt Electric Demo Hammers \* DeWalt Demo Hammers Angle Grinders Drills \* JD Diesel Air Compressor on Single Axle Trailer \* Shop Vacs-DeWalt, Rigid, Craftsman \* Quick Crete Patch \* Silicon Sealant \* Roof Cement \* Citra Solv Concrete Cleaner \* Air Tamps \* Hydraulic Rams \* Bosch, Makita, Electric Jack Hammers \* Honda 8HP 7,000 Watt Generator \* Air Jack Hammers, 1 x 90 Pound, 3 x 60 Pound \* 24 File Cabinets w/keys \* ESAB Plasma Cutter \* XAS 96 Allis Copco. **MISC TOO MANY ITEMS TO LIST! \* 10% buyers premium on all purchases.**  
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### REAL ESTATE AUCTION

**KAW VALLEY BOTTOM FARM**  
**SATURDAY, OCTOBER 20, 2018 — 10:00 AM**  
WAMEGO SENIOR CENTER, 501 ASH STREET — WAMEGO, KANSAS  
165 Acres M/L with 135 acres irrigated using Valley Electric Center Pivot which is included with the farm. This is an excellent producing farm with nearly 80% Class I Rossville silty loam soil. The 2017 corn yielded 241 bu. per acre. Located 1 mile east of Wamego on the north side of US Hwy 24.  
For more information go to: [WWW.PEARLREALESTATE.ORG](http://WWW.PEARLREALESTATE.ORG)  
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# Follow soil sampling procedures for optimum results

**By James Coover, Crop Production Agent, Wildcat Extension District**

Soil nutrients are not even. They are not even across a field and they are not even with soil depth. Nutrients can differ drastically just a few inches of soil away. This is true even in conventionally tilled fields. All this variability makes taking accurate soil

samples the most important part of getting accurate soil test results.

Soil testing and recommendations are based on certain procedures. K-State's lime and fertilizer recommendations for row crops for pH and immobile nutrients like phosphorus (P), potassium (K), and zinc (Zn) are all based on a 6" soil test.

Mobile nutrients like nitrogen (N), sulfur (S), and chloride (Cl) are based on a 24" soil depth. The research to determine crop response to soil nutrient quantities is based on these soil sampling depth assumptions. Soil samples that are too deep will give recommendations to apply more fertilizer than what is needed and too shallow

will under apply.

Each soil sample should be a composite of at least ten soil cores. Take the soil cores in a zig-zag pattern over the entire area, being careful not to follow a field feature like a terrace channel or gully. A quart-sized plastic bag will be able to contain 10 to 15 soil cores if taken with a soil probe. Each soil

sample should represent an area no larger than 20 acres but a sample for each ten acres is ideal. Each ten or 20 acres will represent a soil management zone and don't necessary have to be square, but should follow soil type and/or productivity. Ten soil cores for each ten acres can add up to a lot of soil cores to be taken, but remember, this something done only every two or four years. In the end it will save you money too.

No-till fields need to be sampled differently. Fields that have been in no-till for a long period should be split into a 0-3" sample and a 3-6" sample. This is done to determine pH and nutrients at the surface as no-till fields are highly stratified, meaning most of the nutrients are in the top two to three inches. However nutrient recommendations are still based on those 6" soil depth crop response curves.

Pastures are sampled much like no-till fields. Take a 3 to 4" soil depth if you are just concerned about pH or a 6" soil depth if testing for P and K. If you need recommendations for both, take a 6" sample and split into a 0-3" sample and 3-6" sample. The two will be averaged together for the P and K recommendations.

For more information on soil sampling or how to divide your fields into soil sampling zones, please contact James Coover, crop production agent, jcoover@ksu.edu or (620)724-8233.

## LAND AUCTION

**SATURDAY, NOVEMBER 3, 2018 — 10:00 AM**  
**Kloppenberg Center — HANOVER, KANSAS**

**363.35 ACRES ± WASHINGTON COUNTY, KS LAND**

**TRACT 1:** 155.06± surveyed acres featuring Muir Silt Loam and Cass Fine Sandy Silt Loam Soil Types considered PRIME River Bottom Cropland.

**FSA Information (Estimated):** • 116.19 DCP Cropland Acres  
• 116.39 Estimated Base Acres with 44.66 Soybeans, 31.38 Corn, 27.71 Wheat, & 12.64 Sorghum.

• Enrolled in ARC County

**Legal Description:** Land lying west of Little Blue River located in S-1/2 of SW-1/4, SW-1/4 of SE-1/4 and NW-1/4 OF SE-1/4 of Section 5, Township 3, Range 5 and in W-1/2 of NE-1/4 and E-1/2 of NW-1/4 of Section 8, Township 3, Range 5 (See Survey for Details).

**TRACT 2:** 208.29± surveyed acres featuring Eudora Loam Soil Type considered PRIME River Bottom Cropland.

**Legal Description:** Land lying west of Little Blue River located in the NW-1/4, W-1/2 of NE-1/4, and W-1/2 of SW-1/4 of Section 8, Township 3, Range 5 (See Survey for Details).

**FSA Information (Estimated):** • 167.84 DCP Cropland Acres  
• 168.13 Estimated Base Acres with 64.51 Soybeans, 45.33 Corn, 40.03 Wheat, & 18.26 Sorghum.

• Enrolled in ARC County

*Sellers ownership interest in mineral rights to transfer with sale of property.*

**Property Location:** From the Intersection of US 36 & Highway 148 (Pony Express Station) go West approximately 1.5 miles on US 36 to Yankee Road. Proceed South on Yankee Road approximately 1 mile. Property is located on the East Side of Yankee Road.

**Listing Broker's Notes:** Agricultural Producers & Investors ... Gear up for your chance to purchase some of the most productive land Washington County has to offer. Rarely does Little Blue River Bottom land come available to the public for purchase so DON'T miss this GREAT opportunity to add these highly productive acres to your operation or investment portfolio. Contact me direct with any questions you may have on these AWESOME Washington County Kansas properties. **Jeff Dankenbring - 785-619-6405**

**Terms & Possession:** 10% down day of the sale, balance due at closing on or before December 5, 2018. Seller to pay 2018 taxes. Title insurance, escrow and closing costs to be split equally between buyer and seller. Buyer to take possession at closing. Property to be sold as-is, where-is. All inspections should be made prior to the day of sale. This is a cash sale and is not subject to financing, have your financing arrangements made prior to sale day. **Midwest Land and Home is acting as a Seller's Agent and represents the seller's interest.** Bolton & McNish, attorney for sellers, will act as escrow and closing agent. All information has come from reliable sources; however, potential buyers are encouraged to verify all information independently. Statements made sale day take precedence over all other printed materials.

**LAVONNE DILLON TRUST & HEIRS - SELLERS**

For a VIRTUAL TOUR of this property visit [www.MidwestLandandHome.com](http://www.MidwestLandandHome.com)  
To stay up to date on auctions and listings LIKE our Facebook page [Midwest Land and Home](#).



**Jeff Dankenbring — Listing Broker - 785-619-6405**  
**Mark Uhlik — Broker/Auctioneer**  
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## LAND AUCTION

**SATURDAY, OCTOBER 20, 2018 — 10:00 AM**  
**Landoll Lanes Conference Center — MARYSVILLE, KS**

**156.2 ACRES ± MARSHALL COUNTY, KS LAND**

*This GREAT property is 93% in cropland & it's a Rare occasion when land like this comes available to the PUBLIC. Contact me direct with any questions Jeff Dankenbring - 785-619-6405*

**WALLACE & FRANCES NICHOLS TRUST, SELLER**

See Sept. 25 or Oct. 2 Grass & Grain for more details!  
For a VIRTUAL TOUR of this property visit [www.MidwestLandandHome.com](http://www.MidwestLandandHome.com)  
To stay up to date on auctions and listings LIKE our Facebook page [Midwest Land and Home](#).



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**Mark Uhlik — Broker/Auctioneer**  
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## REAL ESTATE AUCTION

**MONDAY, NOVEMBER 5, 2018 • 6:00 PM**

**SALE LOCATION: Iron Clad (427 Lincoln) — WAMEGO, KS**

**Farmstead Address: 27824 Wells Creek Road, Wamego, KS**

**DESCRIPTION**

**TRACT 1:** 38± Acres of very productive FLOOD IRRIGATED crop land.

**TRACT 2:** 42± Acres of mixed dry land crop ground and grass.

**TRACT 3:** 17± Acres of native grass (potential building site).

**TRACT 4:** 12± Acres of native grass (potential building site).

**TRACT 5:** 204± Acres of native grass (includes current farmstead w/uninhabitable home and outbuildings).

**TRACT 6:** Tracts 2-5 collectively as one parcel.

**\*\* Buyer(s) responsible for contacting appropriate Wabaunsee Co. offices regarding building regulations. \*\***

**SELLER: BYRON L. JACOBSON TRUST**

**REAL ESTATE TERMS:** Property sells AS IS, WHERE IS. 5% non-refundable down payment is required day of sale by check. Buyer must be able to close on or before Dec. 5, 2018. Buyer needs bank letter of loan approval or funds verification. Cost of Owners Title Policy to be split equally between Buyer and Seller. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the Seller.

Check us out on Facebook & Online for more info  
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**Crossroads Real Estate & Auction LLC**

**TERRI HOLLENBECK, Listing Broker/Owner**  
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**ANDREW SYLVESTER, Auctioneer, 785-456-4352**  
**BILL DISBERGER, Auction Coordinator, 620-921-5642**



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# AROUND KANSAS



I love it when we get fan mail. My deadline for *Grass and Grain* is Wednesday morning, the same day of the week that *Around Kansas* airs on television. This morning Brandon Hines, from the Hays Public Library, wrote, "Great episode! I'll be thinking about historic hotels, Kansas outdoors, and chicken eggs all day!"

Brandon also sent me a cup, so he is pretty high on my list of fans right now.

This morning's episode featured Waterville and the Weaver Hotel, a video from our friend Nick Abt encouraging folks to get outside and enjoy the beautiful places in the Sunflower State, and a

feature on my long-time friend, Heather Palmer, who is writing a novel and has been researching the size of hen's eggs over the years. Yes, friends, I try to supply variety!!!!

Heather and I attended Governor's School for the Gifted and Talented (don't laugh) when we were both Virginia high school students. Through the magic of the internet we reconnected though the miles separate us - her in Massachusetts, me in Kansas, far from our childhood homes. Our mutual love of writing and history unites us still. So, when Heather posted this on Facebook, I thought that our viewers/readers would be inter-

ested in not only the egg history, but in Heather's historical novel, *One Year From Tonight*.

"Have you ever wondered why old recipes seem to call for an enormous amount of butter and eggs? "Butter the size of an egg" was a frequent measure given in recipes in 1864, the year Emily kept her diary. The heroine of the novel, *One Year From Tonight*, often wrote in her 1864 diary about cooking and I have presented some of the recipes popular that year, but translating them into modern equivalents requires some research.

"According to the Food and Drug standards for 2018, chicken eggs are graded from small to jumbo with weight ranges from 1.5 ounces an egg to 2.5 ounces an egg. Eggs which are commercially sold to consumers though must weigh between 2 ounces to 2.5 ounces.

"The size egg which a

hen lays is determined by the breed of chicken, age of the chicken, and, to a lesser extent, the feed given to the chicken. Unlike some food stuffs which have been changed over the centuries, a chicken of a certain breed in 1400 laid eggs about the same size as a chicken of that same breed will lay in 2018. The challenge for a food historian eager to use the right amount of butter and eggs in a recipe is to make an educated guess on the kind of chicken a cook in 1864 had available to her.

"In 2018, the most common chicken breeds for commercial egg production in the United States are the Rhode Island Red and the Leghorn. Not surprisingly, these breeds also produce the largest eggs. If they were the chickens to which Emily had access she would have put about 2.5 ounces of butter into her recipes which called for "butter

the size of a hen's egg." According to extant farm records, however, it is possible that the most common chicken in farmyards in 1864 was the Hamburg. Favored for its prolific laying and tender meat, the Hamburg hens lay eggs that average just 1.6 ounces.

"Another factor to take into account in determining the size of an "average" egg on a farm in 1864 is the fact that in most breeds chickens lay larger eggs as they age. Farm practice in the 1860s was to keep cycling through chickens so that the ones used for meat were still young and tender. This means that the typical farm wife in

1864 may have been using eggs which were just about 1.4 ounces.

"Armed with this information, suddenly recipes from the 1860s that seem to call for an enormous amount of butter and eggs suddenly seem much less rich!"

*One Year From Tonight* is on Kindle and at <https://heatherpalmerauthor.wordpress.com>.

Deb Goodrich is the Garvey Foundation Historian in Residence at the Fort Wallace Museum and the co-host of the *Around Kansas TV Show*. Send her fan mail on Facebook or at author: [debgoodrich@gmail.com](mailto:debgoodrich@gmail.com).

**AUCTION RESCHEDULED DUE TO WEATHER**  
**SUNDAY, OCTOBER 21, 2018 — 10:00 AM**  
 Held at Wischropp Auction Facility — OSAGE CITY, KS  
**RAIN or SHINE!**  
 SELLING: 60+ pieces Ruby Red; 150+ Beanie Babies; 120+ figurines; 6 older quilts; 400+ fruit jars; Dazey Churns; 4 curios; furniture; vintage; tools; MUCH, MUCH MORE!  
**MRS. PATTY HARR, SELLER**

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 Pics & Info:  
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 (785) 828-4212

**AUCTION**  
**SATURDAY, OCTOBER 20, 2018 — 10:30 AM**  
 Located at 412 N. 5th — OSAGE CITY, KANSAS  
**REAL ESTATE** selling at 10:30 AM. 4- to 5-bedroom, 3-bath home with full mostly finished basement.  
**PERSONAL PROPERTY SELLS FOLLOWING REAL ESTATE**  
 Antique curio cabinet; antique highboy, vintage mirror; cedar chest; antique wardrobe; china hutch; 3 Southwest-style blankets; 6 wingback chairs; corner shelf; 4 hide-away divans; 3 dining tables; several vintage decanters; large asst. of glass, kitchen, what-nots, lots of smalls!

NOTE: This is a Large Auction! Something for Everyone!  
**JENNY AGUIRRE, SELLER**

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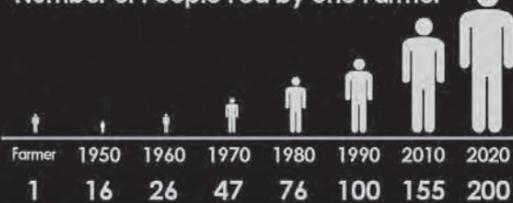
**LAND AUCTION**  
**SATURDAY, OCTOBER 27, 2018 — 10:00 AM**  
**Landoll Lanes Conference Center — MARYSVILLE, KS**  
**216.5 ACRES ± MARSHALL COUNTY, KS LAND**  
 This Incredible property is 90% + in cropland. This tract has 1/2 mile of US Highway 36 frontage. Contact me with questions! Jeff Dankenbring - 785-619-6405  
**DON & MARLENE PRIGEL, SELLERS**  
 See Oct. 2 or Oct. 9 Grass & Grain for more details!  
 For a VIRTUAL TOUR of this property visit [www.MidwestLandandHome.com](http://www.MidwestLandandHome.com)  
 To stay up to date on auctions and listings LIKE our Facebook page [Midwest Land and Home](https://www.facebook.com/MidwestLandandHome).

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**LAND AUCTION**  
**SATURDAY, NOVEMBER 3, 2018 — 1:00 PM**  
**Helvering Center, 111 S. 8th St. — MARYSVILLE, KS**  
**156.27 ACRES ± MARSHALL COUNTY, KS LAND**  
**TRACT 1 Legal Description:** S33, T01, R08, ACRES 78.23, W2 SW4 LESS R/W  
**FSA Details:** • 74.58 DCP Cropland Acres.  
 • 69.49 Estimated Total Base Acres with 28.7 Soybeans Acres, 27.55 Corn Acres & 13.24 Wheat Acres  
 • Soybean & Corn enrolled in ARC County & Wheat enrolled in PLC.  
**2017 Tax Information:** \$1489.82.  
**TRACT 2 Legal Description:** S33, T01, R08, ACRES 78.04, W2 NW4 LESS R/W  
**FSA Details:** • 74.4 DCP Cropland Acres  
 • 69.33 Estimated Total Base Acres with 28.63 Soybeans Acres, 27.49 Corn Acres, & 13.21 Wheat Acres  
 • Soybean & Corn enrolled in ARC County & Wheat enrolled in PLC.  
**2017 Tax Information:** \$1552.95.  
**Property Location:** From Home, KS take 16th Road North 5 miles to Frontier Road, turn West and travel 3/4 mile on Frontier Road. Property is located on the North.  
**Listing Broker's Notes:** Agricultural Producers & Investors ... These Incredible properties are 95% + in cropland with Wymore Silty Clay Loam 1-3% Slope and Kennebec Silty Clay Loam 0-1% Slope soil types. RARELY do farms of this high quality come available at public auction so don't miss this INCREDIBLE opportunity. Contact me with questions you have regarding this AWESOME Marshall County Kansas property. Jeff Dankenbring - 785-619-6405  
**Terms & Possession:** 10% down day of the sale, balance due at closing on or before December 5, 2018. Sellers to pay 2018 taxes. Title insurance, escrow & closing costs to be split equally between buyer and seller. Buyer takes possession at closing. Sellers interest in mineral rights transfer with the sale. Property to be sold as-is, where-is. All inspections should be made prior to the day of the sale. This is a cash sale and is not subject to financing, have your financing arrangements made prior to auction. **Midwest Land and Home is acting as a Seller's Agent and represents the seller's interest.** Marshall County Abstract & Title will act as escrow and closing agent. All information has come from reliable sources; however, potential buyers are encouraged to verify all information independently. Statements made the day of sale take precedence over all other printed materials.  
**KENNETH V. SCHWARZ FAMILY TRUST - SELLER**  
 For a VIRTUAL TOUR of this property visit [www.MidwestLandandHome.com](http://www.MidwestLandandHome.com)  
 To stay up to date on auctions and listings LIKE our Facebook page [Midwest Land and Home](https://www.facebook.com/MidwestLandandHome).

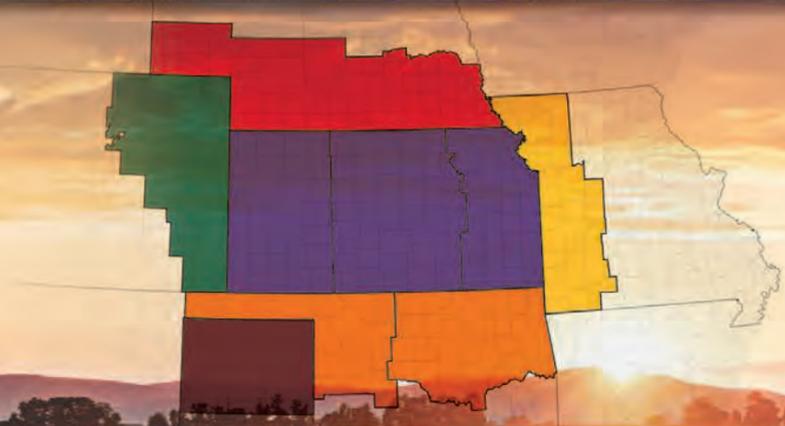
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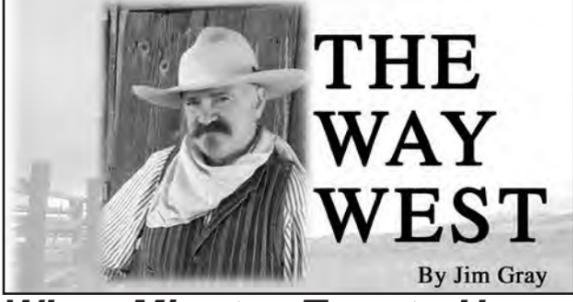
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# THE WAY WEST

By Jim Gray

## When Minutes Turn to Hours

To the small band of little island of sand, covered with brush and scrub Forsyth's Scouts their

trees, was a bastion of defense far from civilization. If not for that island, fifty-two men would have easily been slaughtered in the combined attack from Cheyenne, Sioux, and the dreaded Dog Soldier warriors the previous morning of September 17, 1868. The fight continued throughout the day with mounted warriors riding around the island while others fired from the cover of tall grass. Three direct

charges were repelled with withering fire from repeating Spencer rifles. Several sharpshooters provided cross-fire with long-range Springfield rifles from the north bank of the river. All but one sharpshooter returned across the stream to the island under heavy fire from the warriors. Louis Farley, severely wounded, continued to protect his comrades with deadly fire from the north bank.

Throughout the day with a shoulder wound. No one knew he was hurt until Major Forsyth called for a casualty report in the evening. Howard Morton fought through the day with a head wound that blinded one eye. The stories of this fight could and have filled many volumes.

moccasins made from boot tops, the shadows of Stillwell and Trudeau quickly melted into the dark, damp night.



## AUCTION

**SATURDAY, OCTOBER 27, 2018 — 9:00 AM**  
13610 Highway 99 — WESTMORELAND, KANSAS

**REAL ESTATE SELLS AT NOON (5BR, 2BA 2,122 sq. ft. home, 8.26 acres m/l) followed by Vehicles & Firearms. Tractors & Implements sell at 2 p.m. This sale has a wide variety of items for everyone! Items inc:**

- Tandem 12' box trailer • Single axle 12' box trailer • Bumper hitch flatbed trailer • Small utility trailer • Land Pride brush hog mower • Land Pride box blade • Land Pride Rototiller • 3 pt. post hole digger, PTO driven • Kubota 3 pt. backhoe Tractors/Implements • several flat screen TVs • CDs & DVDs • Dell Laser Printer & other printers • misc. Electronics • Commercial UHF Radios • Milwaukee Radio & Charger • Metal Detector • Key Maker • Wine Cooler • Exercise Equipment & Weights • Office Desk & Chair • Screen Printing Stands & Equipment • Instrument Sterilizer • Gun Cleaning Equipment • Mongoose Bicycle • Golf Clubs • Parachute Equipment • several small Kitchen Appliances • Stainless Steel Cookware • Meat slicer • Brother Sewing Machine • Sewing Machine Serger • LG Front Load Washer & Dryer • very nice Bedroom Set • Lots of Furniture & Household • 2007 Hyundai Azera (189K) • 2005 Chevy K1500 Suburban 4x4 (186K) • 2003 Chevy K3500 Duramax Dually 4x4 (187K) • 1985 Nissan Pickup (not running) • 1951 Chevy Deluxe Coupe (restoration project) • 1999 Harley Davidson Sofftail Custom • 1991 Harley Davidson FTL Dresser • 1982 Harley Davidson FXR • 1988 Honda Fourtrax 4x4 ATV • 1990 International Boom Truck • Honda 3-Wheeler (not running) • Chevy 5.3 liter engine • Golf Carts (2, not running) • Vehicles • Motorized post hole digger • Mini rototiller • Leaf blower • Weed trimmer • Pressure washer • Poulan Weed Eaters • Poulan Chainsaws • Heavy Duty Gas Hydraulic Log Splitter • Honda 3500W Gas Generator • Predator 8700W Gas Generator • Pancake Air Compressor • Extension Cords • Miller Big Blue 500P Diesel Generator/Welder • Miller XMT 3500CC/CV Welder • misc. Welding Equipment • Acetylene torches, Gas, Carts • Chicago Electric Plasma Cutter • Welding Tables with Vises/Tube Holders • Welding rod Warmer Tubes • Pipe Bender/Vise • Ryobi Chop Saw • Compound Miter Saw • Performax sander/belt sanders • Cement Vibrator • Portable Metal Band Saws • Several Circular Saws • Bosch Hammer Drills • Ryobi Hammer Drill • Skill Table Saw • Kobalt 2-tier Tool Box • lots of Hand Tools • 14" Circular Saw Blades • Diamond Cut • Ridgid Portable pipe Threader • Soleus Portable Air Conditioner • Sheetrock Stairs • Battery Powered Sheetrock Drill • Air Nail Guns • Tile Saw • Paint Sprayer • Ryobi Super Tool Charger • Hose Repair System • misc. Fans/Coolers • Electric & Propane Space Heaters • Motorcycle table lift • numerous Tow Straps • Electric & motorized Cement Mixer • Engine Stand & engine lift • Laser level/Tripod/Surveying Equipment • misc. Chains/Tiedowns/tow straps • Hydraulic Porta Power • 250 gal. Fuel Tank on Skids • 60 gal. Fuel Tank • New Trash Compactor • Assorted Scrap Steel & MORE!



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## GUN AUCTION

**SATURDAY, OCTOBER 20, 2018 — 11:00 AM**  
Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS

**HAND GUNS**

Colt (1914) 1911 US Army 45 (C99--); 2. Remington Rand 1911 A1 Army 45 (15784--); 3. Colt (1918) 1911 US Army 45 (4890--); 4. Colt (1917) 1911 Gov. 45 (C824--); 5. Colt (1915) 1911 Gov 45 (C199--); 6. Remington Rand 1911 A1 Army 45 (15867--); 7. Colt (1919) 1911 Army 45 (C064--); 8. Colt (1917) 1911 Army 45 (1706--); 9. Colt (1914) 1911 Gov 45 (C114--); 10. Colt (1914) 1911 Army 45 (1020--); 11. Les Baer 1911 A1 custom 45 (LB239--); 12. Sig Mosquito S/A 22 (A0246--); 13. Sig P250 D/A 45 (EAK8910--); 14. Colt Detective S/A 38 special (M297--); 15. Sig P238 S/A 380 (27A0012--); 16. Colt (1915) S/A 32 (1790--); 17. Colt (1918) 1911 Navy 45 (2335--); 18. Ruger Mark II 50 yr. Anniversary 22 (223-322--); 19. Ruger NM Super Single Six w/box 22 (20-435--); 20. Ruger old Red Eagle w/box 22 (1078--); 21. Browning Buck Mark 22 (655N7053--); 22. Ruger NM Bear Cat 22 (91-513--); 23. Glock w/box Model 21 45 (BC99--); 24. Ruger w/box old model 3 screw 22 RF (3261--); 25. Ruger w/box Red Eagle old 22 (145--); 26. Ruger Super Blackhawk 10" barrel 44 mag (83-370--); 27. Ruger unfired w/box Blackhawk Maximum 10" 357 (600-087--); 28. Ruger unfired w/box Vaquero S.S. 357 (55-725--); 29. Ruger unfired w/box Vaquero 45LC (55-033--); 30. Ruger old Single Six 9 1/2 " barrel 22 (3611--); 31. Ruger Redhawk SS 7" barrel 44 mag; 32. Javelina 1911 ACP Hunting model 10 MM (Jo20--); 33. Desert Eagle Israel Arms 50AE (322031--); 34. Remington Flare gun (16-5--); 35. R F Segley USN Flare gun (24-2692--); 36. Pyrotechnic US Property 1943 flaregun M8; 37. Pyrotechnic US Property flare gun (2904--); 38. German flare gun AYF43 (27--); 39. RF Sedgley USN flare gun Mark 5 (242692-A-E).

**LONG GUNS**

Remington Model 7400 30-06 w/Simmons 2.5-10x50 scope (B83051--); 2. Remington UMC Model 10-A USMC 12 ga (1564--); 3. Winchester 1B73 lever action 32-20 1/2 round 1/2 octagon barrel (5625--); 4. Winchester 1890 slide action 22LR (5059--); 5. Winchester 2273 lever action 32 (1245--); 6. Ruger MN-14 SS 223 (183-647--); 7. Winchester 1873 lever saddle ring 44 WCF (1877--); 8. Winchester 1905 SL 32 (272--); 9. Winchester model 94 30-30 (44249--); 10. Marlin old lever action 22 octagon barrel (2278--); 11. Winchester 1892 lever action 32 WCF (5244--); 12. Winchester M12 Riot gun 12 ga (3795--); 13. Winchester 1890 slide action 22 short (2288--); 14. Winchester model 94 30-30 (35863--); 15. Inland General Motors 30 cal Paratrooper (49107--); 16. C J Hamilton & Son 22 (027); **50 knives inc.:** military, Case, custom, other; 13 scopes; 50 gun cases; Compound bows & arrows, cleaning kits; 7000 rounds amo inc.: 45 ACP; 380 ACP 32 ACP 25 ACP; 38 ACP; 357 ACP 30 ACP; 9MM; 40 ACP; 10 ACP; 308 Winchester; vintage ammo.

Note: This is an individual collection. He has collected for many years and is a very quality collection. We will be open for viewing on Saturday morning at 9:00 a.m. Check our web site for pictures at [www.thummelauction.com](http://www.thummelauction.com)

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



Lori and Galen Fink, Randolph, were named the 2018 Kansas Fairgrounds Foundation "Wall of Honor" inductees. This award was presented at the recent Kansas State Fair Supreme Drive on Saturday, September 15, at the conclusion of the open class beef shows. Standing in the photo with Lori and Galen, from left, are son-in-law Chad Larson and their daughter, Megan Larson of Olsburg.

## LAND AUCTION

**SATURDAY, NOVEMBER 10, 2018 — 10:00 AM**  
Oketo City Hall, 106 Center St. — OKETO, KANSAS

**214.33 ACRES ± MARSHALL COUNTY, KS LAND**  
TRACT 1: ACRES 136.25 LESS R/W & (DOES NOT INCLUDE approx. 4.5 + acres Home & Buildings Site).  
TRACT 2: ACRES 78.08 LESS R/W  
**RARELY does property offering 77 Hwy. frontage come available at public auction. Contact Jerrod Prebyl - 785-927-0325**  
**EDWARD L. LUPPEN TRUST - SELLER**

Watch upcoming Grass & Grain's for more details!  
For a VIRTUAL TOUR of this property visit [www.MidwestLandandHome.com](http://www.MidwestLandandHome.com)  
To stay up to date on auctions and listings LIKE our Facebook page Midwest Land and Home.

**Midwest Land and Home**  
Jerrod Prebyl - Listing Agent - 785-927-0325  
Mark Uhlik - Broker/Auctioneer  
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## LAND AUCTION

**TUESDAY, OCTOBER 23, 2018 — 6:00 PM**  
FNB Basement (101 C St.) — WASHINGTON, KANSAS

**156.3 AC ± WASHINGTON COUNTY, KS LAND**  
This tract consists primarily of gently sloping farmland. Great soil types, easy access, well cared for. Would make a great addition to an existing farming operation or investment portfolio. Located: From Washington go North on B. St. to 20th Rd. go East on 20th 2 miles to Sunflower Rd. go North 1 mile. This is the NE corner of the farm.

**LINDA ROSENKRANZ ESTATE, SELLER**  
See last week's Grass & Grain's for more details!  
For a VIRTUAL TOUR of this property visit [www.MidwestLandandHome.com](http://www.MidwestLandandHome.com)  
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Minutes felt like hours until time almost stopped as a faint glow appeared on the eastern horizon. Before the sun rose warriors materialized in the dim light, though attack was not their intent. They had retreated during the rain and supposed the Scouts had all fled the island under cover of the dark, drizzling shower. Someone impatiently shot into the approaching warriors and they scattered before Forsyth could organize a crippling volley of rifle fire.

Eli Ziegler, just sixteen years old, thought the approach felt more like an attack. "It seemed to me there were just as many and as bad as the first day..." The women and children watched from the safety of a distant hill and as they had done the day before, wailing and taunting. Their wild cries for vengeance urged warriors to fight on while from their camp a death-wail resounded with the beat of sacred drums.

There were no more wild charges. Occasional volleys from the distance kept the Scouts on guard, only returning fire when the opportunity offered to make a bullet count. Arrows could come out of nowhere. George Oaks was struck in the hip while lying in his rifle pit. He was the only casualty of the second day.

The sun beat down relentlessly on the island. Wounded men lying among the bloating bodies of dead horses became delirious without proper medical care. Dr. John Mooers lay among them, dying from a severe head wound. The cool of evening brought welcome relief from the blistering sun. Two more Scouts attempted to steal away for Fort Wallace but could not get through. By the time they returned Dr. Mooers had found his peace in the kindness of death.

By the third day, the fight had slackened to random firing from warriors who dug their own rifle pits beyond the limits of the island. The women and children no long chanted from the distant ridge. The warriors attempted to approach under a white flag. Chief-of-Scouts Sharp Grover warned them to retreat before a volley of shots rang out, convincing them to fall back out of range. It was apparent that most of the warriors had left the battle with only a few remaining to keep the Scouts pinned down.

As a group of warriors rode away on a distant ridge, one of them, Killed by a Bull, stopped to taunt the Scouts with insulting gestures. Major Forsyth ordered the men with long-range Springfield rifles "to sight them at their limit ... and aim well over the sight." Three rifles cracked. The Scouts waited and watched Kills by a Bull fall from his pony, "stone dead." The kill, at twelve hundred yards, was later attributed to Barney Day.

Night fell mercifully as Major Forsyth reckoned the chances of survival for his little band of Scouts. He couldn't be certain that Stillwell and Trudeau had made it through. If they had failed, certain death awaited those who had followed him into the land of the Dog Soldiers on The Way West. (Next Week: Un-speakable Joy)

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

# Interdisciplinary team awarded \$2.9 million NSF Research Traineeship grant to strengthen rural communities



Conservation of the Ogallala Aquifer in western Kansas is one of the challenges that graduate students will research with the help of the first National Science Foundation Research Traineeship grant awarded in Kansas. The five-year, \$2.9 million project is led by an interdisciplinary team from Kansas State University.

Water shortages and their accompanying threats to the agricultural economy aren't new to Kansas, but a fresh approach to training graduate students at Kansas State University aims to adopt innovations that will protect rural communities.

Melanie Derby, assistant professor of mechanical and nuclear engineering and Hal and Mary Siegele professor of engineering at Kansas State University, will lead an interdisciplinary team that has been awarded a five-year, \$2.9 million National Science Foundation Research Traineeship Program, or NSF NRT, grant to train graduate students who can address these complex challenges. The award was one of 17 NRT projects funded nationwide and is the first NRT awarded in the state of Kansas.

Derby will help meet these challenges by training students to work at the nexus of several disciplines.

"The whole goal of interdisciplinary research is that someone else's perspective makes both your work stronger," Derby said. "We do fundamental engineering work, but we want it to go to the field. We need to know how to make that happen. One of our goals is to help western Kansas and other semi-arid communities to be resilient in the future. We need all the components — engineering, agricultural economics, sociology, and more — to solve these important challenges."

Derby and her colleagues will mentor graduate students as they

conduct fundamental research in three areas of the crucial food-energy-water system: conservation of and producer relationships with the Ogallala aquifer, soil-water-microbial systems, and technologies to transform animal waste into energy and water. They also will work to understand engineering, economic and socio-cultural barriers to implementation of emerging innovations.

Building communication skills and a common vocabulary across disciplines is a crucial aspect of the training. Students will engage with policymakers and attend state legislative sessions in Topeka, plus they will spend time at the Southwest Research-Extension Center in Garden City to research smart water technologies and meet with farmers and others whose livelihoods depend on conserving the aquifer and other resources.

Matt Sanderson, co-principal investigator and the Randall C. Hill distinguished professor of sociology, anthropology and social work in the College of Arts and Sciences, said people in many rural Kansas communities are beginning to think of the end of their ways of life.

"They face many problems, from soil erosion, groundwater depletion and water pollution to the loss of population, youth out-migration, growing elderly populations, loss of businesses and declining economic diversity," Sanderson said. "These are not new problems, but the challenge has been how to address them."

Sanderson said that exploring social contexts and helping students think beyond their fields of specialization will encourage new kinds of problem-solving.

"This program holds promise to identify some of the best and brightest new minds and bring them together to work on new ways of seeing, thinking and doing," he said.

"It's an integrated training experience," Derby said. "Students on the engineering side will understand socioeconomic and vice versa."

Charles Taber, Kansas State University provost and executive vice president, said the program Derby and her team have designed is consistent with the land-grant mission of attaining excellence in teaching, research and outreach.

"Sustaining the health of rural communities, the Ogallala aquifer, and the food-energy-water system is mission-critical for Kansas," Taber said. "I look forward to hearing about the achievements of these students as they apply their work and strengthen ties to the communities our university serves."

In addition to Derby and Sanderson, the team includes co-investigators Jonathan Aguilar from biological and agricultural engineering and K-State Research and Extension, Prathap Parameswaran from civil engineering,

and David Steward, currently in the civil and environmental engineering department at North Dakota State University; educational lead Gaea Hock from communications and

agricultural education; and advisors Nathan Hendricks from agricultural economics, Stacy Hutchinson from biological and agricultural engineering, and Ryan Hansen from

chemical engineering. The program will train 50 master's and doctoral students, including 25 funded trainees from the colleges of Engineering, Arts and Sciences, and Agriculture.

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Gerald Beran, Jr. (620) 786-9569  
Terry Beran (620) 786-4372  
1350 NE 100 Ave.  
Clafin, KS 67525  
beranbrothers@hbcomm.net  
www.BDHerefords.com

**Herefords and Angus**

## LAND AUCTION

**MONDAY, NOVEMBER 5, 2018 — 10:00 AM**

We will sell the following described real estate at public auction at American Legion 100 5th Street, LINN, KANSAS

**LAND LOCATED:** 8 miles West of the Highway #148 & #15 junction to Indian Road, all three tracts are located south along Indian Road.

**WASHINGTON COUNTY FARMLAND 384 ACRES M/L**

**TRACTS I & II**

**SELLER: LAVERA HELMS ESTATE**

These two farms are gently rolling and great producing farms with good access.

**TRACT I LEGAL:** W/2NW/4 of 15-4-2, Washington Co., Kansas, Strawberry Twp.

**Brief Description:** 77 acres m/l — 62 acres m/l farm ground, 9 acres m/l pasture with good fences and highway frontage, remainder in waterways or prairie grass, farm ground is 90% Class II & III soils.

**Base Acres/Yields:** Wheat — 30.07 acres, with yield of 37 bu; Grain sorghum — 15.3 acres with yield of 94 bu; Soybeans — 15.3 acres with yield of 41 bu.

**2017 Taxes:** \$1,208.11

**TRACT II LEGAL:** N/2SE/4 & E/2NE/4 of 16-4-2, less farmstead in the NE Corner Washington Co., Kansas, Strawberry Twp located just west across the road from Tract I.

**Brief Description:** 154 Acres m/l — 91 acres m/l farm ground, 46 acres m/l pasture with good fences, 11 acres m/l waterways; 6 acres m/l timber, farm ground is Class II & III soils, highway frontage on the north.

**Base Acres/Yields:** Wheat — 46.7 acres, with yield of 37 bu; Grain sorghum — 23.4 acres with yield of 94 bu; Soybeans — 23.4 acres with yield of 41 bu.

**2017 Taxes:** \$1,963.39.

**TRACT III — SELLER: JOHN HELMS LAND**

**TRACT III LEGAL:** SW/4 15-4-2, less farmstead on 9th Road, Washington Co., Kansas, Strawberry Twp, located just south of Tract I.

**Brief Description:** 153 Acres m/l — 64 acres m/l pasture, 80 acres m/l CRP, 9 acres m/l waterways, pasture is watered by 2 ponds, 1 spring fed, and a small creek, fences are good, CRP is enrolled to 2025 at \$61.32/acre. Buyout is approximately \$41,300, Seller to retain 2018 CRP Payment.

**2017 Taxes:** \$1,729.44

**AUCTIONEER'S NOTE:** These are 3 great farms located in a great community, easily accessed by highway and well-rocked roads, all terraces and waterways are done, mineral and water rights pass with the land to the buyer, come to the auction prepared to buy these farms will sell to the highest bidder sale day.

**Terms & Conditions:** 10% down day of sale payable to Clay County Abstract & Title Company as escrow agent for the parties with balance due in the form of certified funds in 30 days or less upon delivery of clear and merchantable title. Escrow fee and Owner's Title Insurance to be paid ½ by seller and buyer. Seller to pay 2018 and all prior years taxes. 2018 cash rent and CRP remain with the seller. Possession at closing. Auction firm is working for the seller. Announcements sale day take precedence over all printed matter.

Auction conducted by Homestead Real Estate

Gail Hauserman,  
Agent and Auctioneer  
Phone: 785-447-0686

Office Phone: 785-632-3373

For more info & pictures: [www.cchomesteadrealestate.com](http://www.cchomesteadrealestate.com)

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# Compacted soils: a forgotten yield limiter

By **Jeri Geren, Diversified Agriculture and Natural Resources Agent, Wildcat Extension District**

Crop harvest is an exciting time for most producers. It is often joked that planting, fertilizing and spraying are all done solely for the chance to get to ride around in the combine. Although most

farmers take much pride in every farming practice they endeavor in, it's always nice to get the crop off the field and a paycheck in the pocket. One downfall to row crop harvest is not what's taken off the field, but rather the potential soil compaction that may be occurring below ground.

Compaction can be caused by a variety of issues within the soil. Naturally dense soils, surface crusting and cultural practices can all contribute to compaction. One specifically prevalent during harvest is vehicle-induced compaction. This can be divided into two types, shallow and deep.

Shallow compaction is

defined as any compaction occurring within the normal tillage zone. This can be from five to ten inches deep, depending on the location. Shallow compaction is related to the pressure applied to the surface of the soil and is considered temporary since it is usually eliminated by normal tillage practices.

Deep compaction, or subsoil compaction, occurs below the normal tillage zone and is caused by weight or force applied to the soil. It is mostly affected by the maximum axle weight. A moist soil can be compacted to a depth greater than 18 inches by a ten-ton axle load. To put this into perspective, consider that the weight of a 1,050-bushel grain cart is 19,700 pounds when empty. When filled, it can weigh over 78,500 pounds. The grain cart can transfer about 8,000 pounds to the tractor through the tongue of the wagon, so the grand total is 70,500

pounds. If the grain cart has two axles, that comes to 17.6 tons per axle. In addition, a 12-row combine full of corn exceeds 20 tons per axle. Both of these examples have exceeded the ten-ton axle load limit.

If compaction is suspected, look for malformed plant roots, standing water or excessive water erosion, increased power requirements for field operation, stunted plant growth and reduced yields. Also note that yields will be most affected in a dry year since soil strength increases as soils dry.

The best cure for compaction is to avoid it. To reduce the potential and minimize compaction, limit traffic when fields are wet and confine the majority of the traffic to the end rows as much as possible.

For more information, contact Jeri Geren, Diversified Agriculture and Natural Resources, [jlsgle@ksu.edu](mailto:jlsgle@ksu.edu), (620) 331-2690.

# Mid-America Workforce Summit to address rural issues

The 18th Annual Kansas Workforce Summit is growing and transitioning into the Mid-America Workforce Summit. The Summit will be held on January 23 and 24, 2019 in Topeka at the Capitol Plaza Hotel and Conference Center.

This summit will bring together community leaders, chamber representatives, legislators, government officials, employers, educators, and local workforce board members from several Mid-America states to address the new realities facing the workforce and economic development issues. Rural workforce development is one of the most pressing issues in this region.

The Mid-America Workforce Summit will address several indicators presented by the USDA (United States Department of Agriculture) Task Force on Agriculture and Rural Prosperity. Created in 2017, the task force made several recommendations around five key indicators of rural prosperity: e-connectivity, quality of life, rural workforce, technological innovation, and economic development. These indicators address issues in the urban and rural areas of the states invited to the summit.

Identifying these indicators of rural prosperity issues was the first key step to encourage change. It is important to realize that this area can become a successful example for others as the region comes together and starts to work as a team.

For complete information regarding the Mid-America Workforce Summit to be held January 23 and 24, visit [www.midamericaworkforcesummit.com](http://www.midamericaworkforcesummit.com), or contact the Western Kansas Manufacturers Association office directly toll-free at 877-405-2883 or locally at 620-227-8082. Like the Mid-America Workforce Summit Facebook page or follow them on Twitter to receive continued updates and information about the Summit and upcoming events.

## COLLECTIBLES & HOUSEHOLD AUCTION

**SATURDAY, OCTOBER 27 — 10:00 AM**  
Held at Beattie Community Center, 307 Whiting St., BEATTIE, KS

**COLLECTIBLES & HOUSEHOLD**  
Curved glass lighted curio cabinet; glass-front china cabinet; oak 4' cabinet; oak ice box; 3 wood rockers-pattern, spindle back & kids spindle back; treadle, base enamel, top stand; oak chair; wicker chair; painted china cabinet; metal kitchen cabinet; 3 legged wall stand; 5 gal. Red Wing crock; #10 butter churn; lard press, Simmons Hdwe. Co., St. Louis; steel wheels; nail keg; shoe lasts; sad & steam irons; wire rug beater; wall tapestry; 1- & 2-man cross-cut saws; 3 buck saws; few horse hames & bits; coffee grinder; 2 stone mixing bowls; bean pots, Hull; stoneware; McCoy pitcher, Roseville inc. Clematis cookie jar, Bushberry ice lip pitcher & hanging planter, Fox Glove ewer & small bowls; Pyrex 8 pl. gray striped dishes: cups, bowls & plates; Alliance Ohio 8 pl. Regal china; 8 Buffalo china platters; pitcher & bowl; 3 pc. nest of dbl. blue striped bowls; Pyrex colored refrig. bowls; sm. Jadeite Fire King ref. dish; few cups & saucers; hen on nest; glass butter dishes & juicers; pickle jar, black/white enamel canister; Texas Ware speckled bowl; 4 wood rolling pins; lap trays; figurines inc. Tom Clark 5 gnomes & Winston Churchill, 3 Snowbabies, Dutch Boy/Girl & Dogs; Angel collection, few musical; 5 blue glass birds; 3 dog alarm clocks; 3 metal car wall decor; painted plates inc. Norman Rockwell; 4 Longaberger baskets; (3) 1976 Art Uhlir (Beattie) portrait paintings on stretched velvet; few blank stretched velvet frames; old pop bottles inc. Duffy's 7 oz. Frankfort, KS; bottle capper; Coca Cola & Pepsi Cola wood crates; 9 blue jars, Ball & Atlas Qt. & 2 Qt. 8 amber bottles, Clorox & Purex (Ball); few green glass insulators; 2 Hurricane lanterns; cream cans; round metal & dbl. tubs; sm. gas can; labeled tins; enamel chamber pot; 1958 KS tag; cigar boxes; few metal impl. seats; coal bucket w/shovel; game traps; hay hooks; kickers; forge tongs; hand air pump; ice skates; wash tub wringer; Hudson fly spray can; kitchen & wagon-style scales; Dazey butter churn pot; Marvel gravity cream separator; metal picnic basket; wood block & tackles; wood plane; cast iron clothesline pulley; brace; tool heads inc. Adze, pick, 3 & 4 tine pitch fork; hand saws, Keen Kutter & Craftsman; scythes; few older pipe wrenches; thread cutter; well pipe puller; oil hand crank transfer pump; 1940s wood paddle seed cleaner w/2' screen; galv. divided sink; wood 6' curved-front toboggan; ornate wood door w/beveled oval glass; beveled oval glass 20x24"; Model A speedometer/odometer; 1933 Ford headlight & 2 hub caps; 1941 Ford alum. sun visor; (4) 15" chrome wheel rings; **Household:** 3 pc. qu. bed set, dresser w/mirror, chest & headboard w/frames; dressers, 3- & 6-drawer; 2 glider rockers & ottoman; office chair; end tables. **Other Household items. See Websites for Photos!** Lunch served.  
[www.olmstedrealestate.com](http://www.olmstedrealestate.com) • [www.marshallcountyrealty.com](http://www.marshallcountyrealty.com)

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Rob Olmsted 785-353-2210 Tom Olmsted 785-562-6767 Tim Olmsted 785-353-2487 Jeff Sandstrom 785-562-3788

## SHOP TOOLS • TRACTOR • 4-WHEELER AUCTION

**SATURDAY, OCTOBER 27, 2018 — 10:00 AM**

Auction Location: 1/2 block South of the Pottawatomie County Fairgrounds on High Street, then West up the alley in ONAGA, KANSAS

**TRACTOR, 4-WHEELER, TRUCK, BOAT & TRAILER**  
1984 Ford 1710 MFWA dsl tractor with 3 pt., PTO, near new tires and rims, new seat, new clutch, good shape, tractor sells with Ford 770A hyd. front loader with 5' bucket; 1988 Foreman Honda 4x4 4-wheeler, very good; 1991 Dodge Power Ram 350 1-ton dually truck, 4x4, 4 spd, with 9' flatbed; 1962 14' Salem Lone Star boat with 35 hp Mercury motor and trailer, good shape; 5'x25' tandem axle bumper hitch flatbed trailer with fiberglass grating floor and lights, very good; pair of trailer loading ramps; 5'x8' all metal tilt bed trailer with mesh floor, very good.

**SHOP TOOLS**  
Atlas bench knee mill model MFB complete with tools, good; No. 2 Arbor press; very heavy duty all steel shop bench with 6" vise; 3/4 drive socket set, 7/8 to 2" 3/4 drive sockets 2 1/16 to 2 1/2"; 2 sets impact sockets; large combination wrenches, 1 5/16 to 2"; many pipe wrenches up to 24"; many combination SAE and metric wrenches; box end and ratchet wrenches; metal chop saw; several impact guns; Century Five Star AC-DC 250 amp electric welder; 3 welding helmets; 2 larger tap & die sets; large Easy Outs; gear pullers; bolt cutters; bar clamps; long auger bits; C-clamps; large crimping tool size 8 to 500 MCM; Milwaukee and Yellow Jacket 7" electric grinders; 2 Ridgid pipe cutters; pipe threader; screw shooter; air chisel; Craftsman electric die grinder; new torch cutting head; torch set with regulators; brakeline double flaring tool; smaller Craftsman air compressor up to 100 lbs.; 300' tape measure; Handyman jacks; (2) 4000-lb. floor jacks; transmission jack; 2 hyd. jacks; rear end and transmission grease dispenser; Power Glide transmission overhaul tools; compression tester tool; jig and saber saws; Sears 18" chain saw; Craftsman table saw; new 2hp 4-gal. Pancake air compressor; new 2000 12v cable winch; 6" vise; heavy duty chain ratchet come-a-long; hand concrete tools; 2 military fuel cans; motor stand on rollers; pallet of forks, shovels, hoes, bars, sledges, etc.; pallet of good log chains and boomers, all sizes; pallet of extension cords; many chisels, punches, hammers and other hand tools; 3 battery carriers; assorted welding rods; David White transit level; small metal bolt bin; screw cabinet; assorted nuts, bolts, etc.; 2 squirrel cage fans; plus other assorted tools.

**ANTIQUES & COLLECTIBLES**  
Very old General Electric refrigerator with foot pedal door opener, runs well; smaller old iron kettle with handle; 4 antique bar clamps; blow torch; draw knife; pad hacksaw; old woodworking planes; monkey wrenches and old tools; shoe hook; hay knife; 2 Model T horns; old tins and buckets; old paint scraper; picture of lady with fan; all metal Standard Service Specialist sign, Wilbur Surdez; all metal MoorMan's feed sign, Henry Kotterman; Remington chain saw sign; 3'x4' slate chalkboard; house screw jack; Fairbanks Morse platform scale, good; ladder jacks; shoe cobbler items; old oil fill cans; Buck Bros. miter saw blades; antique extendable garment hanger.

**TRACTOR PULLING & RACING EQUIP.**  
225" Mark Williams rear engine dragster roller, no motor; 468 Chevy V-8 motors with 12 1/2 to 1 compression with tunnel ram and Holley 2 barrel carburetor; 468 Chevy motor with 13.9 to 1 compression, needs cam and lifters, and has a steel crank. (These above motors were used in mini rod tractors.) Mitutoyo 12" depth caliper; Jump Start system; (2) 454 crank shafts; (3) 454 Chevy blocks; rebuilt 1967 307 Chevy short block; (2) 350 Chevy complete motors; aluminum tunnel ram; 400 and a 350 turbo; pair of 5 bolt centerline 10"x15" aluminum rims; 35 gal. of VP MI methanol; 18 gal. of VP C-12 racing fuel; battery operated electronic scale head with 2 load cells (used to weigh mini rod tractors); motorcycle helmet; 600 Holley 4 barrel carburetor; GMC 2 barrel carburetor.

**MISCELLANEOUS ITEMS**  
14-gal. Fimco 4-wheeler sprayer with boom nozzle; box of Phillips Advance ballast for T-8 bulbs; transfer pump with Homelite motor; 2 large metal desks; bookshelf; wooden gun rack; Necchi sewing machine in cabinet; push mower; garden tiller; Ryobi walk behind heavy string trimmer; (3) 18' planks, good; dually truck chains; larger pile of steel posts; several piles of iron also some aluminum, copper and lead; pair of Fast Hitch arms; 2 good 3rd links for 3 pt. hitch.

**TERMS:** Cash or valid check. Not responsible for accidents or theft. Statements made sale day take precedence over printed material.

**SELLERS: COTTRELL BROTHERS SHOP**  
Warren: 785-844-2516 • Charles: 785-844-0328

Auction Conducted By: **CLINE REALTY & AUCTION, LLC**  
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[www.mcclivestock.com/clinerealty](http://www.mcclivestock.com/clinerealty)

## AUCTION

**SATURDAY, OCTOBER 27, 2018 — 10:00 AM**  
Held at 617 Baldwin Street or 3 blocks south of Methodist Church in CLYDE, KANSAS.

**5th WHEEL CAMPER, ANTIQUE CAR, & MISC.**  
1993 Excel 5th wheel tandem 27' Camper w/awning, 12' slide out, bedroom, bath, kitchen, fully furnished, sleeps 4, central air & heat, nice; Antique 1931 Chevy 2 dr. sedan car complete, in shed, doesn't run; 1972 Honda 500 Four motorcycle, doesn't run; hyd log splitter; cattle tank; Minkota 551b. 12V elect. steering fishing quick detach trolling boat motor.

**CARPENTER & MECHANIC TOOLS**  
Craftsman 9" & Ryobi 10" table saws w/stands; Craftsman 12" band saw w/stand; 2 Craftsman 12" wood lathes & copy crafter; Delta 6" jointer planner on stand; Craftsman & Power craft 10" radial arm saws w/stand; Craftsman shaper w/bits; Lincoln & Century arc welders; 6" buffer; Brad air nailer; Delta bench grinder; Craftsman 16" scroll saw; circular saws; Dura-craft bench disc & belt sander; CM plunge & 3 other routers, stand, & bits; Delta Mortis attach w/bits; pulley remover; Dremel pro drill kit; Freud biscuit jointer; 6" bench grinder; belt, palm, & vibrating sanders; C-clamps; small sand blaster; extension cords; drills & bits; wood bits; miter box; set Forstner bits; set Devil Biss air tools & attach; 4' alum. pickup tool box; 7 drawer metal tool box cabinet; pipe clamps; saw horses; elect. chain saw sharpener; sets wrenches; pliers; 1/2, 3/8, & 1/4" socket sets; car stands; creeper; hand planes; punches; files; chisels; 4 metal shelving; hand saws; open & box end wrenches; pipe wrenches; moving cart; come a long; Gold Blat texture air gun; small metal tool boxes; Pioneer car radio; hand carpenter tools; garden tools.

**HOUSEHOLD & ANTIQUES**  
Magic Chef gas kitchen range; GE elect. washer; Roper elect. dryer; oak buffet hutch; kitchen table & 4 roller chairs; china hutch; curio glass cabinet; writing desk; entertainment center; wood cabinet; end tables; corner shelf; 3 microwaves & stand; glider rocker & stool; wood rocker; TV stand; book shelf; new convection oven; dishes; cook books; 2 dressers; 4 piece patio set; 2 Kirby & Eureka upright vacs; shampooer; table lamps; fans; 2 bar stools; bakeware; pots; pans; kitchen elect. appliances; mixing bowls; kids wagon; elect. ice cream freezer; camping supplies; Coleman camping stove; cast skillets; cases new coffee cups, goblets; restaurant table cloths; 4 sets golf clubs; bicycles; Char Broil commercial gas grill; Antiques: Pie hutch; library table; berry set; lots pink dep.; relish dishes; clear dep.; cut glass; footed candy dishes; meat saw; 45 & record albums; wood pulley; Ks. License plates; blow torch; lantern.

**Lunch on grounds. TERMS: CASH. Nothing removed until settled for. Not responsible for accidents.**

**BOB & DONNA PIERCE**  
785-243-0728 Bob or 785-262-1246 Donna

**AUCTIONEERS: NOVAK BROS. & GIEBER**  
Website: [www.nckcn.com/novakbrosbieberauction/](http://www.nckcn.com/novakbrosbieberauction/)  
Roger Novak Les Novak Butch Gieber Troy Novak  
785-527-2626 785-987-5588 785-729-3831 785-987-5372  
785-527-1302 cell Clerk: Scott Clerking, Belleville, Ks.

## ABSOLUTE LAND AUCTIONS

**TWO OUTSTANDING PROPERTIES!**  
**TUES, OCT. 30, 2018 AT 10:30 AM, CDT**

**1,040+ AC CROPLAND & GRASS ON SALINE RIVER - RUSSELL CO, KS**

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

**SELLER: Rod Steckel**

- Land will sell in 3 individual tracts
- TRACT 1 is located E of Bunker Hill and has 163.7 acres of cropland
- TRACTS 2 & 3 are located NW of Russell
- TRACT 2 offers 179 ac cropland & 347± ac grass with excellent hunting potential on SALINE RIVER
- TRACT 3 offers 142 ac cropland & 190± grass and adjoins Tract 2

**NEAL MANN, Agent (785-635-2102)**

## FRI, NOV. 9, 2018 AT 10:30 AM, CST

**2,900+ AC CROPLAND, GRASS & FARMSTEAD OSBORNE & RUSSELL COUNTIES, KS**

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

**SELLERS: Wallace Trusts**

- Land will be offered in 12 individual tracts. There is a total of 1,450 ac cropland & 1,420+ ac grass - see website for individual tract acres
- TRACT 1 is 670 ac contiguous pasture on RS/OB County line N of Russell
- TRACTS 2-12 are located 17 miles S of Osborne
- TRACT 2 includes farmstead w/house, shop, bins & water well for perfect farm headquarters
- All cropland to be planted to wheat and Buyers will receive the landlord's 1/3rd share

**LANCE WOLTERS, Agent (785-476-5096)**

**DETAILED SALE BILLS & VIRTUAL TOURS @ [www.farmandranchrealty.com](http://www.farmandranchrealty.com)**

**INTERNET BIDDING AVAILABLE ON BOTH SALES!**

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## TOY AUCTIONS

**455 West D St. (Fairgrounds) — HILLSBORO, KANSAS**  
**FRIDAY, OCTOBER 19, 2018 — 12:00 PM**

**FARM, TRUCKS/TRAILERS; AIRPLANES, BANKS, PEPSI & COKE COLLECTIBLES; 1/32 & 1/64**  
**SATURDAY, OCTOBER 20, 2018 — 9:00 AM**  
1/16 ALL MAKES TRACTORS, EQUIPMENT & CONSTRUCTION; LARGE % NIB 725+ LOTS  
**List & Pics on Web @ [www.auctionspecialists.com](http://www.auctionspecialists.com)**  
For more information contact Vern.

**LOUIS STIKA, JR ESTATE**  
VERN KOCH, 316.772.6318  
MIKE FLAVIN 316.283.8164

**Auction Specialists, LLC**  
Newton, Kansas

## LAND FOR SALE

**78.4± Acres • Dickinson County, Kansas**



- Nice upland farm
- Good brome waterways for hay
- Located southeast of Chapman, close to elevator

**For property details, please contact:**

**Farmers National Company**  
Fred Olsen, AFM/Agent  
Manhattan, Kansas  
(785) 320-2033 or (620) 285-9131  
FOlsen@FarmersNational.com  
[www.FarmersNational.com](http://www.FarmersNational.com)

**Real Estate Sales • Auctions • Farm and Ranch Management**  
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## ESTATE AUCTION

**SATURDAY, OCTOBER 27 — 10:00 AM**  
620 Ash — EUDORA, KANSAS

**FISHING KAYAK, TRAILER, FLY FISHING**  
Cabela's Advanced Anglers 120 Fishing Kayak; Bear 12' boat trailer (like new); **Fly Fishing (Most Near New):** Cabela's MTX 905-4 fly rod in case (Like New), Orvis net/combo, Simms coat & vest, Cabela's wading staff, fly tackle; Excursion EX35 reel; Cardinal Garcia & Zebco reels; fishing rods; tackle boxes; fishing gear.

**FIREARMS, HUNTING**  
Henry Repeating Arms Lever Action Model H001 .22 cal. w/Box; Winchester Model 1300 12 ga.; Iverson Johnson Champion 410; Remington 870 Magnum Express 20 ga.; **Handguns:** Mini 40 Fire Storm 40 cal. w/box; 2-Glocks 45 cal. auto's w/cases & clips; Dan Wesson Arms 357 Magnum CTG; Ruger New Model Single Six 22 cal. w/extra 22 win magnum cylinder; Smith & Wesson 38 cal. SPL w/Monogrip & case; XDS .45 cal ASP 3.3" single stack w/case; **ALL FIREARMS ARE VERY NICE! (All ATF Rules KS Residents Only!); Ammunition:** 357 mag., 12 & 20 ga., Blazer Brass, Winchester 38/40/45, Remington 45, PMC & Much More!; Hunter leather ammo belt w/holster; Hunter leather holster; Galco & Santis hand gun leather cases; Compot long & hand gun cases; Duck's Unlimited duffel bag case; Terry Redlin jewelry box; "Morning Reflection" Joshua Spies & "Standing Guard" Bruce Miller Geese prints/pictures; Indian Archery Model 222 compound bow; arrows; hunting clothing; NRA Coins; finger print safe.

**COLLECTIBLES, HOUSEHOLD, MISC.**  
20" Indian Pontiac Head Chief-tain Chrome w/Ambler Lucite hood ornament; wooden Cigar Mold box; cast-iron paper towel holder; brass/copper spittoon; copper kettle & ice bucket; Chuck Wagon triangle dinner bell w/stricker; metal Arrow weather-vane; Carpenters box; blue & white lightening rod globes; regulator wall clock; **Vintage Brass Lamps w/Shades Converted to Electric:** 2- Cranberry, Red, Coleman Quick-Lite, Rayo; Royal Lamp w/iron base; oil lamps; Brass Torch lamp; Buck O'Neil Pictures Signed!; 1967 Oakland Raiders letter jacket; wooden cigar boxes; pipes; lighters; KS belt buckle; pocket watches; steins; St. Joseph MO whiskey jar; Hereford House Sango Splash pottery dinner ware w/extra pieces; wooden primitive trunk/box; primitive 2-door TV stand; matching leather couch & loveseat; matching leather mechanical chairs; Queen bedroom suite; Amara matching washer/dryer (like new); oak coffee table; Cracker Barrel cane porch rocker; bar stools; patio sets; Crown Verity upright patio heater (like new!); Kenmore gas grill; Rubber Tire Horse Tree Swing; chalk board easel; Dyna Bow trap; Samsonite hard case luggage; TVs; DVD & Stereo Equipment; Minolta 35 mm camera case/lens; Compot Zone heater; Keurig coffee maker; small appliances; kitchen décor; 100s DVDs & Movies; Mash Collector's Edition; cook books; 100's hardback books (Dog/Religious/etc.); metal dog inside gates; Workmate 200; power & hand tools; concrete Bassett Hound; drones; Easton catchers gear; Easton 5 ft. multi-net; firewood; bedding/lifens; clothing; box lot items; **numerous items too many to mention!**

**AUCTION NOTE: Very Clean Name Brand/Quality Items! Most Like New Condition! Day of Auction Inspection Only! Security Cameras on Premise! Concessions: Worden Church Ladies**

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# Grass & Grain Area Auctions & Sales

Sealed Bid Real Estate Auction (sealed bids accepted through Nov. 15) — 2 tracts - 50 acres near Paxico. www.flinthills-gateway.com.

October 15 — 1,120 acres m/l of Ellis & Rush Counties held at Hays for Bogleigh Wallah West, LLC "The Beeching Farm." Auctioneers: Farmland Auction & Realty Co., Inc.

October 15 (evening) — Selling large office building in downtown Osage City. Auctioneers: Miller & Midyett Real Estate & Wischropp Auctions.

October 16 — Jewell County farmland Real Estate held at Formoso for Clinton & Betty Reynolds Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

October 18 — Furniture, collectibles, glassware 1963 Indian print, Atchison Santa Fe RR & more at Salina for Frances Falen. Auctioneers: Baxa Auctions, Mark Baxa.

October 19 — Primitives & collectibles at Hutchinson for K-14 Farm Primitive & Collectible Auction. Auctioneers: Morris Yoder Auction.

October 19 & 20 — Selling 10-19: Toys - farm, trucks, trailers, airplanes, banks, Pepsi & Coke collectibles; selling 10-20: Toys - 1/16 all makes tractors, equipment & construction & more at Hillsboro for Louis Stika, Jr. Estate. Auctioneers: Auction Specialists, LLC.

October 20 & 21 — 10-20: Antique car (1971 Oldsmobile Cutlass convertible), pickups, tractors, cycle & machinery, tools & misc.; 10-21: household & antiques at Concordia for H. Lee Campbell. Auctioneers: Novak Bros. & Gieber.

October 20 — Tools, outdoor items, furniture, household, antiques, collectibles, vintage & much more at Eskridge for Larry & Sandy Williams Living Estate. Auctioneers: Flint Hills Auction, Gail Hancock.

October 20 — Real Estate (4-5 BR, 3BA ranch home with large lot), furniture, household, glassware, lawn & garden & more at Osage City for Jenny Aguirre. Auctioneers: Miller & Midyett Real Estate, Wischropp Auctions.

October 20 — Vintage Items, Collectibles, Antiques, Garzia Pottery Ash Trays & more at Manhattan. Auctioneers: Ruckert Realty & Auction.

October 20 — Mower, tractor, car, shop equipment & tools at Newton for Lonnie & Lorna Guhr. Auctioneers: Van Schmidt Auctions.

October 20 — Queen bedroom suite, furniture, household, kitchenwares & more at Manhattan for Jack Bolding. Auctioneers: Gannon Real Estate & Auctions.

October 20 — Draft horses, mules, carriage horses, Quarter horses, ponies, donkeys, horse drawn equipment, carriages, buggies, wagons, carts, saddles, harnesses, tack & more at Hutchinson for K-14 Draft Horse, Mule & Carriage Auction. Auctioneers: Morris Yoder Auction.

October 20 — Tractors, balers, swathers, vehicles, dump trucks, excavator, skid steer, trailers, ATVs, lawn mowers, farm equipment, cattle & livestock equipment, pipe/metal, tools & more at Cottonwood Falls & online at www.proxibid.com/JDAuction for Estate of the late Cliff Cole. Auctioneers:

J&D Auction Service, LLC. October 20 — Guns including hand guns, long guns held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

October 20 — Real estate (1 1/2 story home with 5 BR, 2 1/2BA) & personal property at Assaria for Raymond Sherwood Trust. Auctioneers: Wilson Realty & Auction Service.

October 20 — Vehicles, equipment, firearms, antiques, saddles & tack, furniture & appliances, household & misc. at Latham for property of Rick D. Remsburg. Auctioneers: Sundgren Auction.

October 20 — Machinery & etc., vintage Ford camper, The Clipper seed fanning mill, shop tools & more, collector items, household & more collectibles at Herington for Deloris Hird & the late Lawrence Hird. Auctioneers: Bob's Auction Service, Bob Kickhaefer.

October 20 — Antiques, collectibles, buck knives, knives, farm machinery, guns, household, garden, hunting, fishing, livestock equipment, shop & more at Delia for Lindsay & Patsy Houck. Auctioneers: Harris Auction Service.

October 20 — Household & furniture, accessories, kitchen & dining items, antiques, glassware, appliances, office, machinists & rock cutters machines, yard & garden, hobbies & recreation, vehicles & misc. and concurrent rummage sale at Clyde for Steve & Carol Colard Estate. Auctioneers: 5A Auction Service, Greg Askren, Cody Askren.

October 20 — Motorcycles (2008 & 1982 Harleys), collector trucks & parts, shop equipment, collectibles, furniture & misc. at Overbrook for Don Bryant Estate. Auctioneers: Mark Elston & Jason Flory.

October 20 — Real Estate (3 bedroom, 2 bathroom 2 story home), collectibles & household at Waterville for Roger & Wanda Bean. Auctioneers: Olmsted & Sandstrom.

October 20 — 165 acres m/l Kaw Valley Bottom farmland held at Wamego for Jerry Pitney Estate. Auctioneers: Pearl Real Estate & Appraisal Service.

October 20 — Guns including hand guns & long guns held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

October 20 — 156.2+ acres of Marshall County farmland held at Marysville for Wallace & Frances Nichols Trust. Auctioneers: Midwest Land and Home, Jeff Dankenbring, Mark Uhlik.

October 20 — 113 head of Oswald Cattle Dispersal of Gelbvieh & Gelbvieh Balancer cattle held near Hutchinson for John C. Oswald & Sons Dispersal sale. Auctioneers: Nisly Auction, LLC.

October 21 — 2003 Chevrolet Silverado, 1963 Ford Falcon Future convertible, Mission oak bedroom suite, furniture, household, golf club collection, utility trailer, John Deere riding mower, shop & lawn equipment, tools, Fireball II pinball machine, John Deere toy collection & more at Manhattan for Chuck & Beryl Heinz. Auctioneers: Gannon Real Estate & Auctions.

October 21 — Ruby Red glassware, Beanie Babies, figurines, quilts, fruit jars, Dazey churns, curios, furniture, vintage, tools & much more at Osage City for Mrs. Patty Harr. Auc-

tioners: Wischropp Auctions.

October 21 — Pickup, motorcycles, garden tractors & tools, antiques & collectibles at Salina for Virginia & Dean Stout. Auctioneers: Thummel Real Estate & Auction, LLC.

October 21 — Real Estate including country house (very nice), 3 machine sheds plus 3 acres; also Gator, mower, generator, tools, appliances, household & furniture & collectibles held South of Vermillion for Marjorie Hallier. Auctioneers: Cline Realty & Auction, LLC.

October 23 — Household, collectibles & 2003 PT Cruiser Car held at Jewell for Roberta Holdren. Auctioneers: Thummel Real Estate & Auction, LLC.

October 23 — 156.3 acres of Washington County land held at Washington for Linda Rosenkranz Estate. Auctioneers: Midwest Land and Home, Mark Uhlik & Jeff Dankenbring.

October 24 — 80 acres m/l of Clay County farmland held at Green. Auctioneers: Farmers National Company.

October 24 — 187 m/l acres of Butler County land, pasture, pond, rolling Flint Hills terrain, windmill held at El Dorado for Estate of Margaret Culp. Auctioneers: Sundgren Realty, Inc., land brokers.

October 25 — Furniture, artwork, Lladro figurines, collectibles, glass & household at Manhattan for Frank & Carol Connizo. Auctioneers: Gannon Real Estate & Auctions.

October 26 — 145 acres m/l Marshall County, KS cropland held at Beattie for Calvin D. & Margie D. Hadorn Family Trust. Auctioneers: Olmsted Auctions & Real Estate.

October 27 — 5-acre suburban acreage w/home & farm dispersal inc. tractors, mowers, tools & furniture at Derby for Landon Estate. Auctioneers: Chuck Korte Real Estate & Auction Service, Inc.

October 27 — Tractors, farm equipment, farm & shop supplies, carriages & horse-related items, household & collectibles at Hutchinson for Jr. & Lorinda Yoder. Auctioneers: Morris Yoder Auctions.

October 27 — Equipment auction including trucks, tractors, track loader, combines, trailer, guns, equipment & misc., 4-wheelers, misc. & collectibles, salvage & more at Cottonwood Falls for Junior & Waneta Pendergraft. Auctioneers: Griffin Real Estate & Auction Service, LC

October 27 — Farm tools, shop equipment, furniture & more at Lyons for Orville Stroh Estate. Auctioneers: Stroh's Real Estate & Auction, LLC.

October 27 — 5th wheel camper, antique car & misc., carpenter & mechanic tools, household & antiques at Clyde for Bob & Donna Pierce. Auctioneers: Novak Bros. & Gieber.

October 27 — Real Estate (5BR, 2BA ranch home w/8.26 acres m/l), guns, vehicles, tractors, trailers, implements, tools, yard tools, household & more at Westmoreland for Robert Reichert Estate. Auctioneers: Morgan Riat, Foundation Realty.

October 27 — Vehicles, Milwaukee tools, DeWalt tools, equipment & much

more at El Dorado. Auctioneers: Sundgren Auction.

October 27 — Fishing kayak, trailer, fly fishing, firearms, hunting, handguns, collectibles, household, misc., vintage brass lamps w/shades converted to electric at Eudora for William (Bill) Ballew Estate. Auctioneers: Elston Auctions.

October 27 — Pickups, motorhome, boat, tractor & equipment, tools & plumbing supplies, antiques, collectibles, guns, household held near Republic, KS and Byron, Nebraska for Phyllis & Glenn Hofts. Auctioneers: Thummel Real Estate & Auction, LLC.

October 27 — Tractor, 4-wheeler, truck, boat & trailer, shop tools, antiques, collectibles, tractor pulling & racing equipment & misc. at Onaga for Cottrell Brothers Shop. Auctioneers: Cline Realty & Auction, LLC.

October 27 — Coins at Emporia. Auctioneers: Swift-N-Sure Auctions.

October 27 — Collectibles & household at Beattie for Brenda Zabokrtsky Estate. Auctioneers: Olmsted & Sandstrom.

October 27 — 216.5+ acres of Marshall County farmland held at Marysville for Don & Marlene Prigel. Auctioneers: Midwest Land and Home, Jeff Dankenbring, Mark Uhlik.

October 28 — 50+ guns held at Cottonwood Falls. Auctioneers: Griffin Real Estate & Auction Service, LC.

October 28 — Antiques & collectibles at Salina for John Irwin Collection. Auctioneers: Thummel Real Estate & Auction, LLC.

October 29 (Monday evening) — Osage County Real Estate (13 ac. m/l w/home & outbuildings; 145 ac. m/l w/92 m/l tillable) held at Reading for David Christopher Small. Auctioneers: Miller & Midyett Real Estate.

October 30 — 1,040 acres m/l cropland & grass on Saline River in Russell County, KS held at Russell for Rod Steckel. Auctioneers: Farm & Ranch Realty, Inc., Neal Mann agent; Donald L. Hazlett, broker/auctioneer.

October 31 — 28th annual Bull Sale at the ranch at Randolph for Fink Beef Genetics.

October 31 — Fink Beef Genetics 28th annual Angus & Charolais Bull Sale at Randolph.

November 2 & 3 — 11-2: 40-acre suburban property & home, livestock barn & corrals; 11-3: Furniture, appliances, Ford Mod. 1720 tractor w/loader, livestock equipment, portable loading chute, chickens, goats, small machinery & more at Douglass for Thompson Family. Auctioneers: Chuck Korte Real Estate & Auction Service, Inc.

November 3 — Large lady figural light, Fenton glass, lamps, Wizard of Oz music boxes, vintage Christmas, silverplate, banks, instruments, Red Wing, antique toys & more at Rossville for Estate of Donna & Charles Lundeen. Auctioneers: Gannon Real Estate & Auctions.

November 3 — Tractor, golf carts, trailers, equipment, firearms, outdoor items, collectibles, household & misc. at Lawrence for Larry & Karen Puckett. Auctioneers: Elston Auctions, Mark Elston & Jason

Flory.

November 3 — Waconda Springs & other collectibles at Jewell for Marjorie Thorup Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

November 3 — Vintage tins & signs, gumball machines, pedal cars, candy machine, 1950s original pedal car, Fire Engine No. 7 pedal car, toys & more at Salina for Gerald Brown. Auctioneers: Baxa Auctions, Mark Baxa.

November 3 — 480 acres m/l Marshall & Nemaha County farmland held at Axtell for H. DeLores Polson Trust. Auctioneers: Donald Prell Realty & Auction, LLC.

November 3 (10 am) — 363.35+ acres of Washington County cropland held at Hanover for Lavonne Dillon Trust & Heirs. Auctioneers: Midwest Land and Home, Jeff Dankenbring, Mark Uhlik.

November 3 (1 pm) — 156.27+ acres of Marshall County cropland sold in 2 tracts at Marysville for Kenneth V. Schwarz Family Trust. Auctioneers: Midwest Land and Home, Jeff Dankenbring, Mark Uhlik.

November 3 — Annual production sale selling fall Simmental & SimAngus bulls, fall cow/calf pairs, spring bred heifer & cows held at the ranch in Manhattan for Irvine Ranch.

November 4 — Victorian style 3BR, 2BA home on corner lot held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

November 5 — 148.34 acres m/l of Flint Hills grassland in Marion County held at Marion for the Family of Harold & Norma Woerz. Auctioneers: Griffin Real Estate & Auction Service, LC.

November 5 — Wabaunsee County land sold in 6 tracts (cropland, grass, possible building site & more) held at Wamego for Jacobson Trust. Auctioneers: Crossroads Real Estate & Auction, LLC.

November 5 (Monday) — 400 acres m/l of Washington County farmland & pasture held at Linn for Lavera Helms Estate & John Helms. Auctioneers: Homestead Real Estate, Gail Hauserman, salesman & auctioneer.

November 5 — Annual Female sale at Courtland for Hanel's Black Simmentals.

November 8 — Over 90 acres of cropland (east of Oakhill) held at Longford for William & Lois Garrison. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

November 8 — 320 acres of Dickinson County farmland held at Abilene Civic Center for Calvin A. Guthals & Maryann Foley Trust. Auctioneers: Reynolds Real Estate & Auction.

November 9 — 2,900 acres m/l cropland, grass & farmstead in Osborne & Russell Counties, KS held at Russell for Wallace Trusts. Auctioneers: Farm & Ranch Realty, Inc., Lance Wolters agent; Donald L. Hazlett, broker/auctioneer.

November 10 — 353 acres m/l Flint Hills in Chase County, Bluestem grazing, limestone hills, wildlife & deer habitat held at Cottonwood Falls for Family of the late T.G. & Peggy Stephenson. Auctioneers: Griffin Real Estate & Auction Service, LC.

November 10 — Real Estate (residential & commercial) & personal property at Manhattan for Durant & Virgie Redding Trusts (Redding Tax Service). Auctioneers: Crossroads Real Estate & Auction, LLC.

November 10 — 157 acres m/l Jackson County farmland & pasture (located NE of Holton) held at Holton for Mose Gilliland Trust. Auctioneers: Pagel Realty & Auction.

November 10 — 214.33 acres m/l Marshall County land held at Oketo for Edward L. Luppen Trust. Auctioneers: Midwest Land & Home, Jerrod Prebyl, Mark Uhlik.

November 10 — Retirement farm machinery auction: Blazer, grain truck, pickup, 4-wheeler, tractors, loaders, combine, hay equipment & other machinery, hay, shop tools & misc., livestock equipment held North of Onaga for David & Susan Labbe. Auctioneers: Cline Realty & Auction, LLC.

November 11 — 4BR, 3BA home and nearly 7 acres, workshop & more held at Belvue. Auctioneers: Crossroads Real Estate & Auction, LLC.

November 13 — 157 acres m/l of Marshall County land held at Frankfort. Auctioneers: Gene Francis & Associates Real Estate Brokers & Auctioneers.

November 15 — 394 acres of Clay County farmland & pasture held at Clay Center for Harold Riechers. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

November 17 — Machinery consignments at Goessel for Goessel Consignment Auction. Auctioneers: Van Schmidt Auction.

November 17 — Office, showroom, small business real estate, 40x60 building held at Alma. Auctioneers: Murray Auction & Realty.

November 17 — 230 acres m/l of Southern Pottawatomie County land with irrigated crop ground held at Wamego for Arthur Dean Fechter Trust. Auctioneers: Pearl Real Estate & Appraisal Service, Inc.

November 17 — Tractors, horse equipment, older tractors & collectibles held near Agenda for Howard Hammond Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

November 17 — Farm machinery estate auction held North of Riley for Richard (Dick) Renz Estate. Auctioneers: Cline Realty & Auction, LLC.

November 17 — Annual Bull Sale held NW of Eureka for Dalebanks Angus.

November 23 — 312 acres m/l of Nemaha County farmland held at Seneca for Alfred Roeder Trust. Auctioneers: Cline Realty & Auction, LLC.

November 24 — 320 acres m/l of Southern Jackson County farmland held at Hoyt for Alfred Roeder Trust and Darlene Roeder Trust. Auctioneers: Cline Realty & Auction, LLC.

December 6 — Real Estate — western Clay County farmland held at Clay Center for the Freddie J. Brosie Revocable Living Trust. Auctioneers: Clay County Real Estate, Greg Kretz, salesman & auctioneer.

March 15, 2019 — 23rd Annual Production Sale at Maple Hill for Sunflower Genetics.

## AUCTION

SUNDAY, OCTOBER 21, 2018 — 10:00 AM

Auction will be held in Kenwood Hall at the Saline Co. Fairgrounds in SALINA, KS

**PICKUP, MOTORCYCLES, GARDEN TRACTORS & TOOLS**

1954 Chevrolet pickup 6 cy engine 4 speed (engine was taken out and overhauled 40 years ago, has never been put in); 1971 Kawasaki 100 motorcycle; 1972 Kawasaki 90 motorcycle; Case 150 lawn & garden tractor; 3 Gravely tractors equipment inc: sickle bar, rotary mowers & roto tiller; Roto Tiller B17RS walk behind tiller; W-W mulcher; detacher; IHC 4 cy flat head motor; several small gas engines; generator w/gas engine; reel lawn mower w/gas engine.

**ANTIQUES & COLLECTIBLES**  
Clock from KVGB radio station; railroad freight cart; Fairbanks Standard no 8 platform scale from railroad depot; Railway

Express sign; Watch Out For Cars sign; guns inc: (1890 Winchester 22 short; Marlin 39A 22 lever action; Riverside Arms 410; Western field model 30 12 ga pump); Korean Army uniforms; oak dresser; oak rocker; 20's chest; walnut drop leaf table; school house maps; Pepsi clock & waste basket; oak wall telephone; Case 30 pedal tractor; USAF pedal jeep; pedal Hot Rod; wagon; sled; large assortment of games from 50's & 60's; Pop-eye game; Erector set; Alley game; HO trains; Agro Agate dish set; Indianapolis 500 race car set; PT19 airplane; roller skates; child's tin kitchen set; sets child's dishes; cast iron telephone; Halloween costumes; assortment dolls; Barbie bike; large assortment of other

toys & games; Christmas decorations; assortment glass; 50's dishes; glasses; Coors glasses; bottles; 12 place set Community silver flatware; stereo; records (Dean Martin, Elvis, Polka, other); several projectors; several cameras; several wooden boxes; pop cases; Borden's crate; cigar boxes; bottles; mini sad iron; viewer; 3 & 15 gal diamond crock; Coleman cooler; cream can; wash tubs; Case tool box; several advertising pieces from service station; S-K punch display; gas price signs; peanut machine; oil cans; Gillette tire holder; Texaco wooden box; 5 gal oil cans; 5 Schwinn bicycles some banana seats; slippery slide; Model T hood & running board; model for 8N Ford tractor; large assortment of other collectibles.

**NOTE: The Stout's have many nice collectibles. There are items from the Stout Service Station. Check our web site at www.thummelauction for pictures.**

**VIRGINIA & DEAN STOUT**

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

## AUCTION

TUESDAY, OCTOBER 23, 2018 — 10:00 AM

Auction will be held in the Community Center on the South side of the square in JEWELL, KANSAS

**HOUSEHOLD & COLLECTIBLES**

Randall Centennial quilt; quilts; large assortment quilting material; quilting frames; Hopalong Cassidy watch; large collection collector plates (State, Church, Avon, other); red glass; music boxes; angles; bells; large collection frogs; large collection jewelry; assortment blue glass; assortment pictures; assortment Avon; kerosene lamps;

Montrose Tractor umbrella; assortment of other Montrose collectibles; 2 camel back trunks; Silverstone radio; antique buffet; tables; large chest; cupboards; child's rocker; antique baby bed; wash board; kraut cutter; assortment Christmas; assortment magazines; assortment paper; Life magazines; Great Leaders National Issues of 1896; assortment of other books; 3 guns; 2 knitting ma-

chines; 3 bedroom sets; hide a bed divan & chair; Gene Lowery organ; deep freezer; gun cabinet; 4 televisions; record player & 8 track player; large assortment 45 records; table lamps; kitchen items; assortment cookbooks; bar bells; craft items; man & ladies bikes; 3 outdoor deer; large assortment of other items.

**CAR**

2003 PT Cruiser

Note: Roberta has moved and has a very large collection. This will be a large auction.

**ROBERTA HOLDREN**

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



### Hung Up In The Fence

She was a pretty cow. A big polled Hereford, but she was only half bagged up. So they sorted her off. These were pretty rangy cows and when they got separated from the big bunch they got nervous.

Rex and Clair dropped her over into the "questionable" pen to run her through the chute. Rex wanted to check her bag.

The big cow had fire in her eyes when she saw Rex. She charged him! He

raced to the fence. Clair stepped in front of the one-cow stampede and swung at her with a broken plastic whip. She changed directions, missed him by a hairs breadth and cleared the fence herself!

I say 'cleared the fence.' I mean 'almost cleared the fence.' Rex was proud of his new fence. He built it of Red Brand welded wire 4x6 foot panels and cedar posts. He ran a line of treated 2x8's around the top. The cow in question drove a hind foot through one of the squares in the

welded wire panel. She hung up and straddled the fence like a limp cheese stick 'crawlin' outta the bowl.

"Lemme run and get the bolt cutter, Rex. We can weld it back later."

"No. I wanna check her bag first," he said.

The way the cow was draped over the 2x8, her bag was at eye level. Clair could see the look on Rex's face. "Don't do it," she said.

Rex reached out, grabbed the proffered teat and squeezed. A foul

smelling clump of cottage cheese hit him square in the face! At the same time he pulled, she made a tremendous effort to escape. She fell back down inside the pen, ripping off the welded wire panel in a shower of staples! She rose with the panel still around her foot.

Wearing her giant snowshoe, she stomped, shuffled and cha-cha'd her way back through the cows in the questionable pen. They spooked and scattered to the four points of

the compass, but all unerringly, managed to find the new gap in the fence and join the rest of the herd.

All escaped except the cow with the fly swatter foot. Clair roped her and held her down long enough for Rex to cut the panel off with the bolt cutters. They let 'er up and she followed the other cows.

Rex wiped a clod of curd off the bill of his cap. "Well," he said philosophically. "At least we know."

www.baxterblack.com



Bar S Pride 7617 won grand champion bred-and-owned female at the 2018 Kansas State Fair Junior Angus Show, Sept. 9 in Hutchinson, Kan. Jayce Dickerson, Paradise, owns the March 2017 daughter of Silveiras Style 9303. Ty Bayer, Ringle, Wis., Scott Bayer, Ringle, Wis., evaluated the 57 entries.



AVF Blackcap 4616 won reserve grand champion bred-and-owned female at the 2018 Kansas State Fair Junior Angus Show, Sept. 9 in Hutchinson. Kelsey Theis, Leavenworth, owns the October 2016 daughter of Penners-CC Double Black 2257.



Twin Falls Forevermore TF06 won reserve grand champion cow-calf pair at the 2018 Kansas State Fair Angus Show, Sept. 15 in Hutchinson. Twin Falls Angus, Cheney, owns the February 2011 daughter of S A V Final Answer 0035. A May 2018 heifer calf sired by Hinrichsen Twister 4052 is at side. Kyle Walter, Elk City, Okla., evaluated the 81 entries.

## Farmers & Ranchers AUCTIONS EVERY MONDAY & THURSDAY

### Selling Hogs & Cattle every Monday

RECEIPTS FOR THE WEEK TOTALED 1,371 CATTLE & 68 HOGS.

#### STEERS

300-400	\$172.00 - 206.00	10 blk Inman	545@147.00
400-500	\$160.00 - 170.00	65 mix Beloit	780@146.50
500-600	\$150.00 - 180.00	4 blk Inman	603@146.00
600-700	\$143.00 - 163.50	6 blk Inman	685@144.00
700-800	\$137.00 - 156.00		
800-900	\$130.00 - 155.85		
900-1,000	\$128.00 - 155.85		

#### MONDAY, OCT. 7 CATTLE & HOG SALE:

#### HOGS

300-400	\$150.00 - 165.00	8 fats Newton	298@42.50
500-600	\$140.00 - 147.75	12 fats Newton	303@41.00
600-700	\$130.00 - 146.00	13 fats Colby	302@40.00
700-800	\$125.00 - 147.75	4 pigs Wakefield	95@\$38/HD
800-900	\$120.00 - 148.00	16 pigs Wakefield	93@\$37.50/HD
		10 pigs Wakefield	43@\$25/HD

#### THURSDAY, OCT. 11 FEEDER SALE:

#### STEERS

2 blk Windom	343@206.00
2 blk Hillsboro	318@200.00
4 blk Sedgwick	534@180.00
8 blk Inman	469@170.00
17 mix Marion	659@163.50
4 mix Holyrood	619@162.00
8 mix Holyrood	758@156.00
142 blk LaCrosse	931@155.85
46 mix White City	878@155.85
57 blk Hope	913@154.50
6 blk Newton	747@154.00
60 mix Valley Center	840@153.10
88 blk LaCrosse	882@151.85
6 mix Durham	822@141.50

#### HEIFERS

4 blk Hillsboro	340@165.00
2 blk Windom	338@161.00
61 mix Falun	829@148.00
62 blk Falun	754@147.75

#### CALVES

1 blk Minneapolis	270@500.00
1 blk Minneapolis	170@375.00
1 blk Minneapolis	185@375.00
1 blk Minneapolis	45@210.00

#### BULLS

1 blk Galva	2120@80.00
1 blk Minneapolis	1900@76.00
1 blk Salina	1685@75.00

#### COWS

1 blk Hope	1580@69.00
2 blk Abilene	1700@67.50
1 red Abilene	1450@67.00
1 blk Salina	1585@67.00
1 blk Salina	1415@67.00
1 char Salina	1460@67.00
1 roan Abilene	1830@66.00
4 blk Courtland	1623@66.00
1 red Solomon	1590@66.00
1 blk Salina	1415@66.00
1 blk Tescott	1315@63.00

#### IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- 6'8" x 24' GOOSENECK STOCK TRAILER METAL TOP
- 6'8" X 24' GOOSENECK STOCK TRAILER
- 6'8" X 24' GR Stock Trailer Metal Top

## Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

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

THURSDAY — CATTLE ONLY

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

AUCTIONEERS: KYLE ELWOOD, ANDREW SYLVESTER & GARREN WALROD

For a complete list of cattle for all sales check out our website [www.fandrive.com](http://www.fandrive.com)

**CATTLE USA.com LIVE CATTLE AUCTIONS**  
**FARMERS & RANCHERS HAS SWITCHED BACK to Cattle USA.com for our online auctions.**

### UPCOMING SPECIAL SALES:

- |   |   |  |
|---|---|--|
| <b>Special CALF Sales</b><br>• TUESDAY, OCTOBER 30<br>• TUESDAY, NOVEMBER 6 | <b>Special COW Sales</b><br>• TUESDAY, OCTOBER 23<br>• TUESDAY, NOVEMBER 20<br>• TUESDAY, DECEMBER 18 | <b>Weaned/Vaccinated Sales</b><br>• TUESDAY, DECEMBER 4<br>• TUESDAY, JANUARY 8<br>• TUESDAY, FEBRUARY 5 |
|---|---|--|
- All Special Sales START AT NOON!

### EARLY CONSIGNMENTS FOR THURSDAY, OCTOBER 18:

73 black steers long time weaned 1/2 home raised off grass 700-800; 130 mostly black heifers vacc open weaned 100 days 725-750; 191 black steers off grass 825-925; 70 black steers home raised weaned vacc 650-750; 60 black steers and heifers home raised 650-750; 60 black steers and heifers 550-600; 14 steers and heifers home raised weaned 30 days 1rnd vacc 500-600.

### EARLY CONSIGNMENTS FOR TUESDAY, OCTOBER 23, SPECIAL COW SALE:

**BRED HEIFERS:** 85 Red Angus Heifers home raised bred to LBW Mushrush Red Angus bulls in May 15 for 60 days calve Feb 21; 100 black/BWF heifers bred to Red Angus bull selected for calving ease with high growth bulls in May 10 for 60 days.  
**BRED COWS:** 55 black cows 3-5 yrs old bred to Deer Run Angus Bulls; 300 black 3-5 yr olds bred to Rinkes Angus; 130 black 6 and older cows bred to Rinkes Angus; 20 Angus cows 2-4 yrs bred to Angus calve March 1st; 25 mostly black middle age fall calvers; 14 black angus cows 7-8 yrs old spring calvers.

### EARLY CONSIGNMENTS FOR TUESDAY, OCTOBER 30 SPECIAL CALF SALE:

25 mostly black steers and heifers weaned 6 weeks 1 rnd fall vacc 400-600; 37 black and red steers and heifers 500-600; 135 black and Charolais X steers and heifers vacc 500-600; 40 black steers and heifers Gardiner/Wooden Cross sired 500-600; 123 black/BWF steers and heifers fall vacc 450-650; 135 steers and heifers home raised fall vacc Angus sired 500-600; 18 black steers and heifers home raised weaned 30+ days fall vacc 400-600; 60 black and BWF steers and heifers home raised fall vacc 500-650; 120 steers 2rnd vacc Green Garden/Oleen sired 500-600; 60 steers and heifers fall vacc home raised no implants 500-650; 125 Charolais X steers and heifers home raised all vaccs 450-600; 50 red and black steers and heifers home raised all vaccs 400-500; 90 black steers fall vacc no implant 450-600; 135 black steers and heifers fall vacc 550-650; 65 black Angus steers and heifers 2rnds vacc 550-600; 75 black steers and heifers spring vacc no implant 450-600; 25 Charolais cross steers and heifers 2rnd vacc home raised 500-600; 100 black steers and heifers fall vacc 550-700.

For information or estimates, contact:

**Mike Samples, Sale Mgr., Cell Phone 785-826-7884**  
**Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901**

Check our listings each week on our website at [www.fandrive.com](http://www.fandrive.com)



Jim Crowther  
785-254-7385  
Roxbury, KS

Lisa Long  
620-553-2351  
Ellsworth, KS

Cody Schafer  
620-381-1050  
Durham, KS

Kenny Briscoe  
785-658-7386  
Lincoln, KS

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

Austin Rathbun  
785-531-0042  
Ellsworth, KS