



Low-volatility dicamba being evaluated during second growing season

By Donna Sullivan, Editor

On July 10, representatives from Monsanto hosted a conference call with media to provide a mid-season update on the effects being seen from the use of dicamba, the herbicide that came under fire last year when more than 2700 complaints of off-target applications on soybeans, and subsequent damage, were received by EPA. Its registration expires this fall and EPA's Office of Pesticide Programs will have to make a recommendation on whether it is extended.

In 2017, it was estimated 3.6 million acres out of 89.5 million acres planted were damaged by dicamba when it drifted from fields planted to Xtend beans, which are genetically engineered to be tolerant to the weed-killer, to fields of regular soybeans. 100,000 acres were damaged in Kansas. According to a June 21 report from the University of Missouri, university weed scientists were estimating so far this year 383,000 of the 89 million acres of soybeans planted in the United States, as estimated by USDA, have been injured by dicamba.

To address the problems seen with the herbicide, EPA reached an agreement with Monsanto, BSAF and Dupont to make it a restricted-use product to include labeling changes, record-keeping requirements and additional spray drift mitigation measures. Maximum allowable windspeed for application dropped from 15 mph to 10 mph and the times during the day when applications can occur were reduced. Tank clean-out language was included in the labeling changes to prevent



According to Monsanto representatives, the number of acres planted to dicamba-tolerant soybeans and cotton varieties has doubled this year to 50 million nationwide. The company continues to take calls on its 844-RR-XTEND hotline for producers who believe they have damage in fields planted to seeds not genetically engineered to resist the herbicide from off-target movement of the weed killer.

cross-contamination and susceptible crop language and record keeping was enhanced to increase awareness of risk to nearby sensitive crops.

The three companies each conducted their own training and Extension also held training sessions. Frannie Miller, pesticide safety and IPM coordinator, said K-State Research and Extension trained 2,213 applicators. In all, more than 94,000 applicators were trained. Monsanto also distributed more than one million label compliant spray nozzles to customers at no cost to address the issue of off-target movement of dicamba.

According to Ryan Rubischko, Dicamba Portfolio Lead for Monsanto, the acreage planted to dicamba-tolerant soybean and cotton varieties nationwide this year is estimated at 50 million acres, double what was planted in 2017.

In response to last year's issues, Monsanto established a hotline for growers

to call if they suspected crop damage due to off-target movement. Growers were encouraged to call 844-RR-XTEND. As of the July 10 report, 156 inquiries had been received. In an update released July 18, that number had grown to 381 inquiries from 240 unique farmer and applicator calls.

Upon receiving calls, Monsanto sends representatives to walk the fields and determine if the damage is caused by volatility of the XtendiMax herbicide or if other factors are involved.

Dr. Ty Witten, who leads technology development efforts and heads up the team that investigates damage in the fields, said that as of the July 10 update, none of the damage in fields they had assessed was due to volatility of XtendiMax.

Rubischko stated that early reports indicate some symptomatology could be attributed to other factors, including environmental stresses, exposure to other

herbicides and spray system hygiene. "That's why it's so critical that we carefully review the facts and data regarding each and every inquiry," he said. "We encourage any grower or landowner who believes there might be symptomatology caused by dicamba on their property to call us directly at 844-RR-XTEND so we can arrange to do a visit and carefully review and evaluate the situation with that farmer or landowner." He continued that much of the off-target movement they've seen has been related to failure to follow label instructions. "We want to remind growers that regardless of the herbicide they are spraying, it's critically important to read and follow all label requirements," he said. These include not spraying low-volatility dicamba if

the wind is blowing toward a susceptible crop, understanding the wind and environmental conditions for each and every application and following all of the other label requirements, as well as using only approved low-volatility formulations for the crop.

Heather Lansdowne, Communications Director for Kansas Department of Agriculture, says the agency has received 63 complaints as of July 18, most coming from eastern Kansas, in particular the northeast. "Our role is to look at whether the complaint is a result of misuse of the product, because our jurisdiction is primarily about use and licensing," she said. "We don't quantify at all or assess how much is damaged." Once a complaint is received, investigators will make contact within a week and a report should be filed within 30 days, unless lab samples are necessary. A typical investigation should take three to six weeks, unless a violation is determined, which could take up to six months, Lansdowne said.

Rubischko indicated that upon investigation of calls, sometimes the symptomatology associated with dicamba drift can also be caused by other factors, such as environmental stresses. "Various conditions being either too wet or too dry has led to symptomatology that can look similar to dicamba from a leaf-cupping standpoint," he said. "But when you actually really go down and evaluate that particular field, we've seen it lead to

some of these other stresses."

Injury to non-dicamba tolerant soybeans is not the only concern. The reports of off-target movement of dicamba to specialty crops, vegetables, ornamental species, and trees seems to be more prevalent this year compared with last season, according to the University of Missouri report.

The Kansas Department of Agriculture became a partner state of DriftWatch, Inc., in an effort to reduce the risk of pesticide drift damage. The online service allows producers of pesticide-sensitive crops to map their crop locations so that pesticide applicators can find those locations and minimize the potential for pesticide drift damage. Sensitive crops can be registered at <https://driftwatch.org/>.

From the standpoint of weed control, Rubischko said they have received very positive feedback from producers in Kansas, and in cases where the performance has been less than ideal, often it's due to not having a pre-emergence application, not using full rates of the herbicide or in some cases, weather conditions allow the weeds to get too much of a head start. "We're working with farmers to share, not only some of those best management practices, but also what they can do to address the weeds they still have in their fields. Where they have gone back and re-sprayed, they've been very pleased with the weed control they've experienced in those fields."

Summit on Agricultural Growth scheduled for August 23 in Manhattan

Join agriculture leaders from across the state at the third annual Kansas Governor's Summit on Agricultural Growth on Thursday, Aug. 23, 2018, at the Manhattan Conference Center at the Hilton Garden Inn. The Summit is an interactive day filled with sessions designed to promote action and collaboration as the Kansas agriculture community works to create an environment that encourages growth throughout Kansas, in all areas of agriculture. Growth in agriculture has a

direct impact on statewide economic growth: agriculture accounts for 45 percent of the state's economy, and is valued at nearly \$68 billion.

"When we look at the impact of agriculture in communities across the state and in the state's economy as a whole, it is clear that growth in agriculture is key to growth of the Kansas economy," said Kansas Governor Jeff Colyer. "The annual Ag Growth Summit has been instrumental in the strategic planning process in the Kansas agriculture industry."

The first two years of the Ag Growth Summit led to the development of desired growth outcomes in each of 19 Kansas agricultural sectors, and action plans to achieve those outcomes. This year's Summit will build upon those growth outcomes and action plans as attendees work together to develop strategies to overcome barriers and encourage growth. Breakout sessions will again focus on the specific sectors — from beef, corn and wheat to dairy, food processing and animal health — as well as on industry-wide topics that affect multiple sectors and agricultural communities across the state.

This year's Summit will again include an evening

social event on Wednesday, Aug. 22, beginning at 6:00 p.m. at the Stanley Stout Center on the north side of the K-State campus. The Ag Growth Summit will take place on Thursday, Aug. 23, at the Manhattan Conference Center at the Hilton Garden Inn, and will begin with an "eggs and issues" breakfast at 7:00, followed by the Summit from 8:30 a.m. to 3:00 p.m.

Participation in the Summit and the social is free and open to the public, but registration is requested. Please register by August 10 to guarantee lunch at the Summit and/or dinner at the social event. A block of rooms is available at the Hilton Garden Inn; call 785-532-9116 by Aug. 3 to reserve a room.

All farmers, ranchers, agribusiness owners and industry professionals are welcome at the Ag Growth Summit — if you're committed to working for agricultural growth in Kansas, please join in this effort. More information about the Summit, including a link to the registration site, can be found at agriculture.ks.gov/summit. If you have questions about the Summit, contact KDA at 785-564-6700 or email Brittney.Grother@ks.gov.

DeRouche presented ASAS Extension Award



Joel DeRouchey, Kansas State University Department of Animal Sciences and Industry (ASI) professor, was presented the Extension Award by the American Society of Animal Science (ASAS) on July 9 at the 2018 ASAS Annual Meeting in Vancouver, Canada.

"The ASAS Extension Award recognizes the impact that Dr. DeRouchey has had on livestock producers and places him among the elite Extension specialists in the world," said Mike Tokach, K-State Department of Animal Sciences & Industry distinguished professor and swine Extension specialist. "We are proud to have him on our team at K-State."

DeRouchey grew up on a diversified purebred livestock operation in Pukwana, South Dakota. He graduated with a bachelor's degree from South Dakota State University, and his master's and Ph.D from Kansas State University. Joel is currently an Extension specialist in livestock nutrition and environmental management at K-State.

His Extension expertise is providing livestock producers with nutrition, regulatory and manure management compliance information. DeRouchey also provides leadership in training the next generation of swine producers by coordinating numerous youth activities to increase swine industry knowledge and awareness of career opportunities in swine production.

DeRouchey works with the productive applied swine team that maintains 13 master's and Ph.D students. He has co-authored more than 151 journal papers, 380 abstracts and 594 Extension publications. He has been a co-advisor or active committee member for more than 50 master's and Ph.D graduates.

Joel and his wife, Julene, have three children, James, Jenna and Jacob.



Enjoy Bread

By John Schlageck, Kansas Farm Bureau

While the 2018 wheat harvest remains fresh in the minds of Kansans, it's worth remembering civilization has been directly linked to the cultivation of grain. When primitive man first learned he could grow wheat during the summer, store it for winter food and use the leftover wheat to plant in the spring, he realized he could settle in one place. Villages and towns fol-

lowed as man no longer needed to follow game and forage for food. Anthropologists speculate that primitive man probably first chewed the raw wheat kernel before he learned to pound it into flour and mix it with water to make porridge.

Approximately 10,000 years B.C., man first started eating a crude form of flat bread baked with flour and water. Since that early beginning, wheat has become known

as the staff of life. It has remained a staple in our diets in this country and around the world.

During this year when the Kansas wheat crop will be one of the smallest on record, it seems only fitting to take a closer look at this healthy food source.

For many, our day begins with a slice or two of bread made from wheat. Some people continue to eat wheat in snacks or some other form, throughout the day. Still, most Americans rarely eat more than four or five servings of bread, cereal, rice and pasta foods each day. The daily recommended intake is six to 11 servings according to U.S. dietary guidelines.

Today's well-informed consumer continues to understand the importance of increasing the consumption of whole grains. The convenience and nutrition of wheat makes it a natural for our fast-paced society. Wheat snacks come in an endless variety bound to please nearly every palate.

Wheat consists mainly of complex carbohydrates that provide a source of time-released energy. The nutrition community recommends 45-65 percent of our daily calories come from carbohydrates.

Nutritionists also advise eating no more than 20-35 percent of our calories from fats and approximately 10-35 percent of our calories from protein.

Wheat foods provide fiber in our diets. Fiber is the carbohydrate in food that humans cannot digest. Fiber acts as a broom and sweeps out the digestive tract.

Eating fiber regularly helps with fewer incidences of colon cancer and some types of heart diseases. Sufficient amounts of fiber in our diet have been related to better control of diabetes and an overall healthy colon, according to nutritionists.

Research also suggests eating wheat bran may help prevent breast cancer.

Wheat foods are good sources of fiber as are fruits and vegetables. The American Dietetic Asso-

ciation recommends eating 20-35 grams of fiber daily. Americans usually consume only about 12 grams.

Kansans use hard red winter wheat in yeast breads and hard rolls. This state also produces the best flours in the world.

Look for ways to serve wheat products with every meal. This may not only improve your health and that of your family, but the economy of Kansas - the Wheat State.

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.

Trade agreement access sparks record-setting exports to Colombia

U.S. corn exports to Colombia have set a new record every year since the U.S.-Colombia Trade Promotion Agreement (TPA) entered into force into 2012, showing the effectiveness of strong trade policy and subsequent market development work to increasing sales of U.S. agricultural products.

"Colombian livestock and feed producers have benefitted from the cost advantages provided by the trade agreement with the United States for their grain needs," said Marri Tejada, U.S. Grains Council (USGC) regional director for the Western Hemisphere. "Larger imports of U.S. grains and co-products depend on industry growth, higher inclusion rates and further educational activities for end-users."

The free trade agreement between Colombia

and the United States was signed in 2006, but not put into effect for six more years. During that time, U.S. grain exports decreased due to more favorable duties for competitors.

The Council helped make the case for the agreement's ratification, which included duty-free access for the first 2.1 million metric tons (82.7 million bushels) of corn imports in addition to a tariff rate quota for U.S. sorghum. Once these preferential terms were in place, the Council worked with buyers who wanted to take advantage of the favorable policy, fueling dramatic growth.

U.S. market share in the Colombian corn market has increased from 5.3 percent in 2012, the year the trade agreement was implemented, to 97.3 percent in 2014 and 99.7

percent in 2017. Colombia imported 4.73 million tons (186 million bushels) of U.S. corn in 2016/2017, ranking as the fourth largest buyer. Eight months into the 2017/2018 marketing year (September 2017-April 2018), Colombia had already imported 4.17 million tons (164 million bushels) of U.S. corn, up eight percent from the same time the prior year and jumping to the third largest buyer for the current marketing year.

USGC's Outlook Colombia 2030 report projected Colombia corn imports will reach 5.5 million tons (216.5 million bushels) by 2020 and 7.8 million tons (307 million bushels) by 2030, with the majority of that demand met by U.S. producers.

"Even though the market is still price-driven, the competitive conditions favoring the United

States and the Council's marketing programs in the country add value to the industry," Tejada said. "Working closely with the industry associations and the largest feed and livestock producers in Colombia enhances the Council's ability to service this market."

Strong educational programming is a critical component of the Council's work in Colombia. As part of these efforts, the Council conducted a South American trade school in three Colombian cities in late May to provide information to Latin American livestock and feed producers. Seventy-three participants from 32 companies in Colombia, Peru and Ecuador attended the sessions on risk management, contracts, international freight markets and quality.

"Trade schools offer

reliable, transparent and independent information in addition to contributing to the Council's position as an ally and supporter of the improvement of Colombia's livestock and feed industries," Tejada said. "Programs like trade schools help emphasize the U.S. competitive advantage in the country and provide the opportunity for USGC representatives to answer questions and address concerns to facilitate trade with the United States."

Colombia also represents a burgeoning market for U.S. ethanol, with the Colombian government increasing the national blend mandate to E10 in March 2018.

Colombia has a growing domestic ethanol industry, producing sugar-based ethanol. U.S. ethanol enters Colombia duty free per the terms of

the U.S.-Colombia trade agreement, but the government's current low-carbon fuel standard discriminates against corn-based ethanol. Still, some U.S. refineries can meet the greenhouse gas (GHG) emissions reductions required in the standard.

Despite these challenges, Colombia set a new record for U.S. ethanol imports in 2016/2017, purchasing 13.7 million gallons. Imports in the current marketing year have nearly tripled year-over-year to 28.7 million gallons.

Strong sales of U.S. coarse grains and co-products to Colombia are a testament to the importance of this market and its growth in coming decades. Yet, none of these successes would have been achieved without the preferential access provided by the trade agreement between the United States and Colombia.

"The Colombian industry has established a strong trading relationship with the United States and they want to continue to build on that relationship," Tejada said. "The trade agreement between the two countries ensures the United States remains a long-term supplier to this highly competitive and growing market."



This week I am kicking off one of my favorite times of the year, county fair season. I know some of you have already had your fairs, but most will be happening in the next three weeks. There is nothing more refreshing and wholesome than a county fair. I must admit that I am somewhat addicted to going to county fairs and maybe that explains why I look forward to judging them each year.

Yes, I have been judging county fairs now since I graduated from college and that would be... Well, let's just say its more than I have fingers and toes. It can be hot, sometimes you leave really early in the morning and other times you get back really late at night, but it is always worth the time and effort. Each fair I judge I am reminded of why I do it and often come away with a good story. I thought I would share a couple of my favorite memories.

Often, it's the little moments. I remember one fair I was judging the swine show and, specifically, junior showmanship. I like to pull the kids aside and ask them questions about their project, like what they are feeding their hogs. I asked one young man that question and he told me to wait right there. He then ran over to the fence and yelled to his dad to bring a bag of feed over to him because the judge wanted some feed.

One time while judging a bucket calf show I asked one young man if there was anything else he wanted to tell me about his project. Keep in mind this was over the microphone so the whole crowd could hear it. He looked kind of sheepish and said that since this was in public it might be a good time for a confession. That got the crowd's attention.

He went on to tell us about how he was practicing with his calf and his dad was helping. Somehow, they got a little close to his mother's new car and the calf kicked it making a small dent in the fender. His dad told him not to tell anyone and his mother would never know. However, it had bothered him, and he needed to confess. He thought since it was in front of everyone his mother would not be as mad.

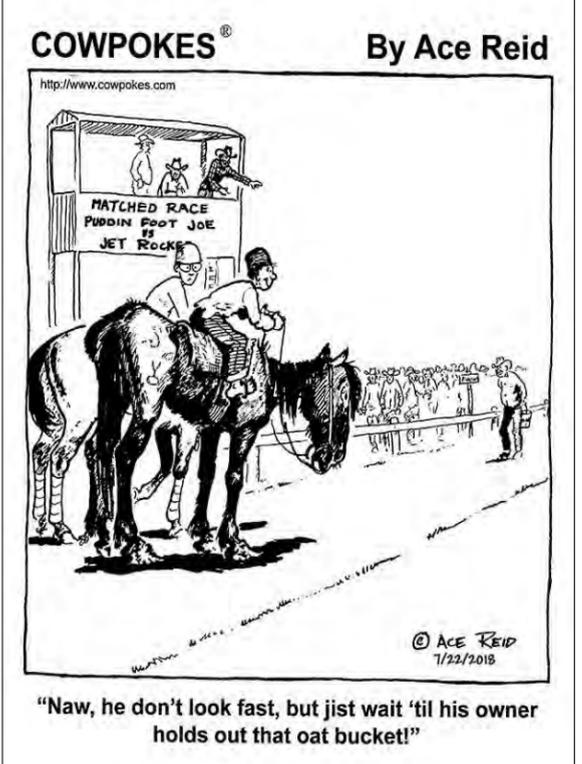
For many years I was an Extension agent and I was sympathetic toward the plight of my fellow agents and the number of judges they had to find and

for some of the most unusual projects. I was judging other projects when the agent asked me to judge the emu show. Yes, the "big flightless bird" kind of emu show. I told her I was not qualified but she insisted that I would be and said it was a brother, sister and cousin showing.

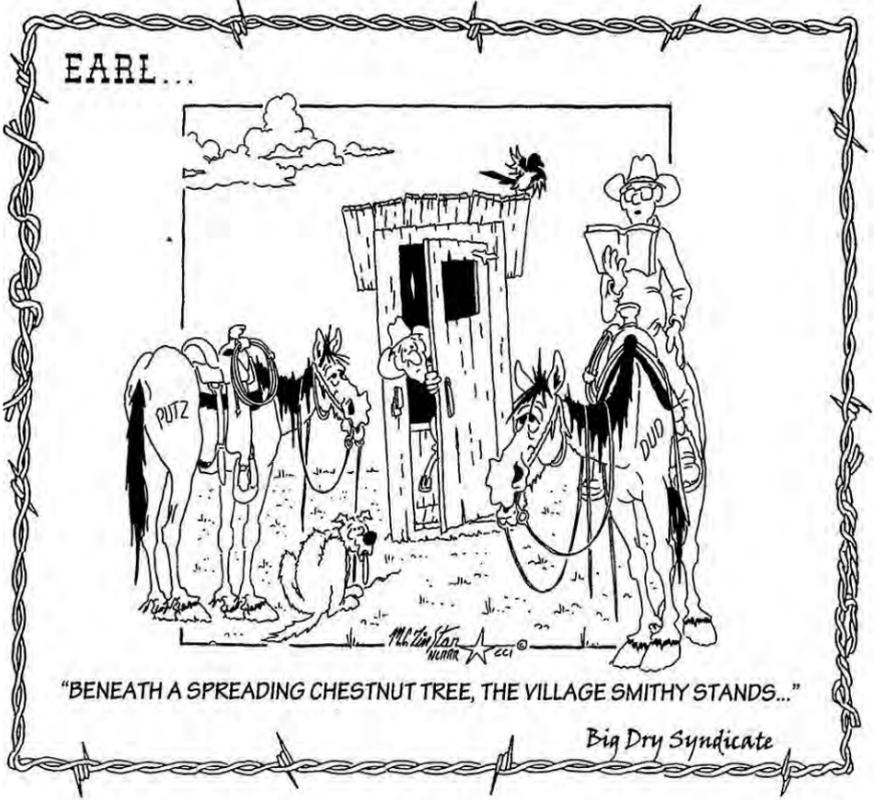
I went to the pens, looked the birds up and down and acted like I knew what I was doing. My FFA poultry judging was coming in handy but on a much bigger scale. After serious contemplation I could not decide which bird was the best, so I called the three together for a conference. The brother and sister told me that they had been champion the last two years and it was their cousin's turn. I made the cousin's bird champion emu (although I did not walk into the pen and slap it). I have often thought that was the only show I have ever judged where everyone showing walked away completely happy with my decision, that is why I am officially retired from judging emus.

There are times when the memory is funnier later than it is immediately following the show. One time while judging a beef show I walked up to a steer to feel if it had adequate finish on its ribs. It seemed a little jumpy, so I asked the young man on the halter if his steer kicked. He said no, so I went in to handle it and the steer immediately kicked me in the knee. Not wanting to show pain or cry in front of the packed grandstands I gritted my teeth and stood there for a second until the pain subsided. I then looked at the showman and mentioned that he said the steer didn't kick. That was when he explained that his steer did not kick, and this was his cousin's and he was showing it because it was ornery.

My favorite moments judging fairs are not slapping the champion, although that can be a great moment when you know the youth has spent a lot of time and effort on their entry and it means a lot to them. My favorite moments, and the reason I still judge shows, are the kids and parents who come up afterward to tell me more about their projects. The people are the reason I love judging shows and I am sure this year's fairs will give me more memories and probably more great stories, so stay tuned in.



"Naw, he don't look fast, but jist wait 'til his owner holds out that oat bucket!"



"BENEATH A SPREADING CHESTNUT TREE, THE VILLAGE SMITHY STANDS..."

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Supreme Court nominee important for agriculture

The nomination of Judge Brett Kavanaugh to the U.S. Supreme Court could be important for agriculture.

Scott Yager, NCBA's chief environmental counsel, said the nomination of Kavanaugh pres-

ents an opportunity to solidify the conservative tilt of the U.S. Supreme Court, and that replacing Kennedy, who was considered a swing vote, will likely have a strong influence on future court rulings, including

any legal challenge the Trump administration may face with a new rule on the waters of the U.S. (WOTUS).

During his 12-year tenure, Kavanaugh has expressed strong views about the limits of ex-

ecutive power and has frequently sided against federal agencies during regulatory challenges often involving environmental rules.

However, in 2014, Kavanaugh defended the constitutionality of the

mandatory country-of-origin labeling (COOL) law, which required both domestic and imported beef and pork to be labeled according to where the animal from which the beef or pork was derived was born, raised and harvest-

ed. COOL was ultimately ruled constitutional.

Kavanaugh must be confirmed by the U.S. Senate before he can take the bench. A vote on his confirmation is expected before the midterm elections this fall.

NCGA calls on EPA to account for refinery waivers

The National Corn Growers Association (NCGA) has called for EPA to maintain a strong, equitable Renewable Fuel Standard (RFS) that follows Congressional intent and levels the playing field for America's farmers by using the annual volume rule to repair the damage from extensive refinery exemptions.

Michigan farmer Russell Braun provided testimony on behalf of NCGA during an Environmental Protection Agency (EPA) hearing on the agency's proposed biofuel targets for 2019.

"With corn prices low, EPA's decisions have a greater impact on my livelihood and other farmers' as well. We believe EPA should use the Renewable Fuel Standard volume rule to remedy the harm caused by the extensive retroactive exemptions given to refineries over the past year and ensure future exemptions are accounted for. These refinery exemptions decrease ethanol blending and reduce demand and profits for my corn crop. Every gallon of renewable fuel blending waived by EPA reduces the consumer benefits of the RFS."

EPA's proposal supports some growth in the RFS

volumes and continues to propose an implied 15-billion-gallon volume for conventional ethanol. However, the proposed rule allows for retroactive refinery exemptions, without reallocating those waived gallons, undercutting the volume targets and rendering the proposed blending levels meaningless. In the past year, EPA has retroactively waived 2.25 billion ethanol equivalent-gallons from the 2016 and 2017 volumes through 48 refinery exemptions, many of which went to refineries owned by large, profitable companies.

"The EPA should end the practice of granting

unjustified RFS waivers behind closed doors and uphold the strong biofuel targets promised by President Trump. America's corn growers are ready and able to do our part to increase American energy use and production, and hold down prices at the fuel pump," said NCGA president and North Dakota farmer Kevin Skunes. "EPA needs to listen to farmers' comments, account for the waivers and make the RFS whole."

Farmers across the country can join this effort by visiting <http://www.standupforcorn.com/take-action.html> to "Tell EPA to Restore the RFS."

Kansas Simmental Tour and Annual Meeting to be held August 11

Cow Camp Ranch and Feedlot is hosting the KSA Tour and Annual Meeting near Lost Springs on August 11. There will be a tour of their feedlot starting at 10:00, and viewing of Cow Camp seedstock at 11:15 at the ranch. Lunch will be provided by Cow Camp at 12:15, and the annual meeting will begin at 1:30 with a few door prizes. Dr. Chip Kemp from Missouri will represent ASA in discussing the Feeder Calf Profit Calcula-

tor that he developed. They will have a Jr. Advisors report on the State, Regional and National Classics. John Irvine will give an ASA Board report. A KJSA Scholarship will be presented.

10:00 Cow Camp Feedyard at 1611 100th Ave, Ramona

Cow Camp Feedyard is located five miles south of Hope. From five miles south of Hope, go west three-quarters of a mile on 100th Ave. Or, from Ra-

mona, go one mile west then one mile north, then three-quarters of a mile west

Cow Camp Seedstock is on 3553 Upland Road at Lost Springs. From Ramona, go three and three-quarter miles east on 360 Road. Or, from Herington, go five miles south on 77 Highway and then west two and one-quarter miles on 360 Road.

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GRASS & GRAIN Our Daily Bread

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

This Week's Grass & Grain Recipe Contest Winner Is Leah Giger, Elmdale

Winner Leah Giger, Elmdale: "Enjoy with tortilla chips. A refreshing treat in the heat of summer!"

WATERMELON SALSA

- 3 cups chopped watermelon
- 1 medium cucumber, seeded & chopped
- 1 small red onion, chopped
- 1 jalapeno pepper, seeded & chopped
- 1/4 cup finely chopped sweet yellow pepper
- 1/4 cup minced fresh cilantro

Combine above and dress with:

- 1/4 cup lime juice
- 3 tablespoons brown sugar
- 1 tablespoon honey
- 1/4 teaspoon salt



Lucille Wohler, Clay Center: "A good dip for vegetables and chips."

DILLY DIP

- 8-ounce carton sour cream
- 2/3 cup mayonnaise
- 1 tablespoon dried onion
- 1 tablespoon dried parsley
- 1 teaspoon seasoned salt
- 1 teaspoon dill seasoning
- 1/2 teaspoon Accent

Combine all ingredients and mix. Refrigerate.

Gin Fox, Holton:

ZUCCHINI PIZZA

- 1/2 pound sausage
- 1/2 cup marinara
- 2 cups mozzarella, divided
- 1/4 cup Parmesan

- 4 medium zucchini
- 16 slices of pepperoni slices
- 1 teaspoons chopped parsley
- Red pepper flakes for serving

Preheat oven to 375 degrees. Spray a large baking sheet with non stick spray. Brown the sausage in a medium skillet over medium heat, crumbling as it cooks. Drain; set aside in a bowl. Add the marinara and 1 1/2 cups of mozzarella to the bowl. Stir to combine. Slice the zucchini in half length wise and use a spoon to scrape

out the seeds. Fill the hollowed space in the zucchini with the meat mixture. Sprinkle the remaining mozzarella and Parmesan on the zucchini. Place 2 pepperoni on each zucchini. Bake for 30 minutes or until the zucchini is as tender as you like. Sprinkle with parsley and red pepper flakes, if desired, before serving.

Linda Kepka, Dorance:

CHEESEBURGER CASSEROLE

- 1 pound hamburger
- 1/2 teaspoon onion powder
- 1/8 teaspoon pepper
- 1/4 cup ketchup
- 8 ounces tomato sauce
- 8 ounces Cheddar cheese, shredded
- 1 can biscuits (10 count)
- Brown hamburger; add onion powder, pepper, ketchup and tomato sauce. In an 8-inch round casserole dish, place a layer of meat mixture then a layer of cheese using half of the meat mixture and half of the cheese; then repeat layers of meat mixture and cheese and top with biscuits. Bake at 400 degrees for 15-20 minutes until biscuits are done.

Rose Edwards, Stillwater, Oklahoma:

EASY ZUCCHINI PIE

- 1 cup chopped zucchini
 - 1 cup chopped tomato
 - 1/2 cup chopped onion
 - 1/3 cup grated Parmesan cheese
 - 2/3 cup Bisquick
 - 3/4 cup milk
 - 2 eggs
 - 1/2 teaspoon salt
 - 1/4 teaspoon pepper
- Heat oven to 400 degrees. Grease bottom and sides of a 9-inch pie plate. Sprinkle zucchini, tomato, onion and cheese

evenly in plate. Stir remaining ingredients together and pour evenly over pie plate. Bake 35 minutes. Cool 10 minutes before serving.

Katrina Morgan, Americus:

BEEFY TACO JOES

- 1 pound ground beef, browned & drained well
- 1 can tomato soup
- 3/4 cup salsa
- Buns
- Cheese slices, optional
- Brown ground beef then add tomato soup and salsa. Heat and serve on buns. Top with a cheese slice if desired.

Millie Conger, Tecumseh:

PEANUT BUTTER SHEET CAKE

- 2 cups flour
 - 1 teaspoon baking soda
 - 2 cups sugar
 - 1/2 teaspoon salt
 - 1/2 cup oil
 - 3/4 cup margarine
 - 1/2 cup peanut butter
 - 1 cup water
 - 2 eggs
 - 1 teaspoon vanilla
 - 1/2 cup buttermilk
- Frosting:
 1/2 cup evaporated milk
 1 cup sugar
 1 tablespoon margarine
 1/2 cup peanut butter
 1/2 cup mini marshmallows
 1 teaspoon vanilla
- Mix in a bowl the flour, soda, sugar and salt. Bring to boil the oil, margarine, peanut butter and water and pour over dry ingredients and mix. Add eggs, vanilla and buttermilk blending well. Pour into sheet cake pan. Bake in a 350-degree oven for 18-20 minutes. Then prepare the frosting, for 2 minutes boil the milk, sugar and margarine. Add peanut

butter, marshmallows and vanilla. Pour over warm cake and spread.

Kellee George, Shawnee:

ZUCCHINI BITES

- 1 medium zucchini
 - 3 tablespoons pizza sauce
 - 1/4 cup shredded mozzarella cheese
- Heat oven to 400 degrees. Line cookie sheet with foil and spray with cooking spray. Cut zucchini in 1/2-inch slices. Place on cookie sheet. Bake 6-10 minutes depending on how firm you like the zucchini. Top each zucchini with 1/2 teaspoon sauce and then sprinkle cheese on. Bake another 4-5 minutes until cheese is melted. Can make in bigger batches.

The final two are from Lydia Miller, Westphalia:

PINEAPPLE COLESLAW

- 2 cups cole slaw mix

- 1 cup unsweetened crushed pineapple, drained
 - 1/3 cup shredded carrot
 - 3 medium radishes, shredded
 - 1/4 teaspoon celery seed
 - 1/3 cup mayonnaise
- In a large bowl mix all ingredients expect mayonnaise. Add the mayonnaise and toss to coat. Cover and refrigerate. Makes 4 servings.

FRENCH'S CRUNCHY ONION CHICKEN

- 2 cups (4 ounces) French's original fried onions
 - 2 tablespoons flour
 - 4 boneless skinless chicken breasts
 - 1 egg, beaten
- Crush onions with flour in a plastic bag. Dip chicken in egg then coat in onion crumbs. Bake at 400 degrees for 20 minutes until cooked through.

Helpful Tips From Extension District

Cindy S. Williams, Meadowlark Extension District, FACS

DOES PECTIN EXPIRE?

In a word, yes. It is not a food safety issue. It is a quality issue. If pectin is past the expiration date on the package, the product made with this pectin will not gel or work as it should. This is true for both liquid and dry pectin.

Dry pectin is made from citrus peel. Liquid pectin is made from apples. They are not interchangeable in recipes. For best results, use the type of pectin listed in the recipe.

The ripeness of fruit will affect the gelling properties. Under-ripe or over-ripe can affect how a jam or jelly gels.

The heat comes from a group of compounds called capsaicinoids, including the well-known capsaicin. This fiery compound causes "chemesthesis" in which the receptors inside the mouth react to pain, touch, and heat. Some may call it pain, others call it pleasure.

Chile peppers varieties have a varying amount of heat can also be quite different within the same variety. Growing conditions will also determine heat in peppers. If the plant is stressed, the peppers will produce more capsaicin.

The pith, or white membrane, contains a majority of the heat from capsaicin. Simply cut out the pith, as well as the seeds, to cool down the heat. Save those to add back to a recipe if more heat is desired. The size of pepper makes little difference in heat pungency.

ABOUT THOSE HOT PEPPERS

If you eat foods with hot peppers, you likely know the spiciness, or heat, can vary a lot.

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AUCTION

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Stay Cool with these tips to Lower Cooling Cost

By **Kylie Ludwig, Wildcat District Extension Agent, Labette County office**

As summer starts to heat up and temperatures rise, many of us are cranking up the air conditioners to stay cool. It should come as no surprise then that air conditioners use about five percent of all the electricity produced in the U.S., costing homeowners more than \$29 billion a year in energy costs.

This summer, instead of blasting the air conditioner (and blowing your electricity bills through the roof), you can take simple actions that will help you beat the heat. For example, replacing a dirty, clogged air filter with a clean one can lower your air conditioner's energy consumption by 5-15 percent, while using a ceiling fan will allow you to raise the thermostat setting about four degrees without impacting your comfort.

If you're looking to save on cooling costs with your current air conditioner, our tips have you covered.

Install and set a programmable thermostat - it could save you up

to 10% on heating and cooling.

Insulate your attic. Insulate and seal ducts - air loss accounts for about 30% of a cooling system's energy consumption.

Consider grilling on a hot day instead of heating your house up with the range.

Install energy efficient windows and window coverings.

Use bathroom fan or range hood to remove heat and humidity in your home.

With just a few small changes, you can relax in comfort this summer while saving some cold, hard cash.

Source: energy.gov

For more information, contact Kylie Ludwig, Entrepreneurship and Financial Management Agent, ludwigk@ksu.edu or (620) 784-5337

For additional information, contact the Wildcat Extension District, Crawford County, 620-724-8233, Labette County, 620-784-5337, Montgomery County, 620-331-2690, Wilson County, 620-378-2167, Pittsburg Office, Expanded Food and Nutrition Education (EFNEP), 620-232-1930.



Time for the Fair

By **Lou Ann Thomas**

Do you ever yearn for a simpler time? I sure do and if you do too, we're all in luck, because it's Fair Time. There's nothing like a fair with corn dogs, snow cones and parades with kids on decorated bikes to bring back memories of days spent barefoot and evenings filled with fireflies you caught and kept in a jar.

And if you were a 4-H kid, you also remember spending months getting ready for the fair. It was the culmination of a year's work so you wanted to demonstrate all

that you had learned.

One summer, I spent morning after morning trying to perfect my chocolate cake recipe. Those that didn't turn out "fair worthy" we got to eat. My mother once accused me of intentionally creating defective cakes. To this day, I plead the Fifth.

But I eventually did get a chocolate cake that I felt good about taking to the fair, and I still remember proudly bringing home a purple ribbon for those efforts.

The ribbons and recognition for cooking, sewing, photography,

raising livestock and other 4-H projects were gratifying, but not as much as simply knowing I had worked hard and done my best. One of the 4-H mottoes is, "Making the best better," and that emphasis on always learning and growing has stuck with me through the years.

For the next several weeks many counties will have exhibit halls and arenas full of completed 4-H projects from livestock to apple pies. The organization began with the goal of using rural youth programs as a way of introducing new agriculture technology to adults.

In the early 1900s, the land-grant college system and the U.S. Department of Agriculture realized that adults in farming communities weren't readily accepting new agricultural discoveries. Youth, though, were open to these new ideas and would "experiment" with them, and then share their experiences and successes with the adults. That's why the early focus of 4-H was on agricultural science, electricity, mechanics, entrepreneurship and natural sciences. Today, 4-H opportunities also exist in subjects like rocketry, robotics, bio-fuels, renewable energy and computer science.

The emphasis of 4-H is still the personal growth of its members, and helping them become contributing, productive, self-directed members of society. Our county fairs provide them with an opportunity to hone their skills, and then share their growth, accomplishments and contributions with the rest of us.

So, if you're looking for a slice of the past with a modern twist, check out a county fair. The fact you can enjoy a corn dog and snow cone while there is an added bonus.

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Texas and Kansas tours highlight opportunities for Chinese sorghum buyers

The U.S. Grains Council (USGC) – in cooperation with the United Sorghum Checkoff Program, the Kansas Grain Sorghum Commission and the Texas Grain Sorghum Association – are hosting top Chinese sorghum importers in the United States to learn more about U.S. sorghum production and strengthen relationships with U.S. sorghum suppliers.

The team will learn about sorghum produc-

tion, buying strategies and develop relationships with U.S. sorghum suppliers at all levels of the value chain as sorghum demand from China rebuilds following trade challenges early in 2018.

After trade tensions were heightened between the United States and China earlier in the year – demonstrated by an anti-dumping and countervailing duty investigation brought by the Chinese

government regarding sorghum – this team visit is a bright spot that signals relations between the two countries are once again moving in a positive direction.

“The Council is pleased to be a part of this important work to maintain communication and strengthened relationships between the U.S. and China,” said Tom Sleight, USGC president and chief executive officer.

“Even with a moderate tariff on U.S. sorghum, demand – especially in southern China – continues. It’s just another reason to highlight with these top sorghum importers and end-users how the U.S. can be a competitive supplier with this year’s crop. These importers and feed mill representatives have the opportunity to see the full U.S. sorghum value chain – from crops in the field to elevators and port facilities. Trips like these encourage in-

creased use and purchase of U.S. sorghum between the two countries while satisfying our mission of developing markets, enabling trade and improving lives.”

The visit will highlight the entire sorghum value chain for the Chinese buyers in an effort to encourage more U.S. sorghum sales to China.

“This is one of many important opportunities created by the Sorghum Checkoff and U.S. Grains Council to foster and maintain valuable market relationships with end users in China,” said Verity Ulibarri, Sorghum Checkoff chairwoman. “This team from China is anxious to meet with U.S. producers and continue learning about our product even with newly implemented tariffs on U.S. sorghum and other goods, and we look forward to providing that hands-on education experience they expect while demonstrating the quality, condition, logistics and price

that continue to drive demand for U.S. sorghum in China.”

The 11 team members – whose imports account for more than 50 percent of China’s total U.S. sorghum imports – will first make stops in Texas including a multi-facility grain company, two farming operations, a visit to the Port of Houston and a global merchant for agricultural commodities.

“Texas growers are anxious to meet with Chinese end-users slated to be in the U.S. and discuss a number of issues, including ways to improve exporting grain sorghum to China,” said Jay Wilder, Texas Grain Sorghum Association president. “Our producers understand the value of having our international end-users on their farms and businesses and embrace conversations about quality and trade. This is a great opportunity for our producers to not only teach about grain sorghum but also to learn from our key

consumers how their businesses function and what attributes make sorghum one of the top exports from Texas to China.”

After spending time in Texas, the team will head to Kansas where they will participate in a traders meeting, visit a grain marketing company, travel to an ethanol plant and participate in an outing to several farms, including a large farm enterprise with feed milling and a livestock operation.

“At this time, in particular, we must engage buyers around the world,” said Jesse McCurry, executive director for the Kansas Grain Sorghum Commission. “We have a quality product that we want to sell. Kansas sorghum farmers are excited to host our friends and show off our ready supply.”

With the support of Market Access Program (MAP) and Foreign Market Development (FMD) program funding from the farm bill and funding from USCP, the Council and the Sorghum Checkoff continue to form and strengthen relationships with sorghum buyers in China. This approach to building bridges and growing markets helps facilitate continued trade with countries around the world.

China has become a top customer for U.S. sorghum despite policy concerns in recent months. U.S. sorghum sales to China took off during the 2013-14 marketing year, with a value of \$1 billion since then.

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Key Feeds - Clay Center
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Mitch's Kwik Shop - Mitch & Sue Knight
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Riley Countian - Ken and Donna Sullivan
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Sydney Carlin
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Thomas Kimball Family Trust - Judy Kimball
Tindall Orthodontics - Dr Mark C Tindall
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Food bloggers share the story of wheat with readers



Left: The food bloggers had the opportunity to see the wheat in the field and talk to producers during harvest. Above, they also toured the Wheat Innovation Center in Manhattan to hear about the latest advances in wheat breeding.



Food bloggers have been sharing their stories about their farm to food experience with their readers since returning home from the #Wheat2Bread tour last month. Kansas Wheat teamed up with Red Star Yeast to bring nine food bloggers to Kansas during wheat harvest. With a combined reach of 5.4 million social media followers, these bloggers are sharing the farmers' story with consumers across the United States.

"One thing became clear to me on this trip: I am very disconnected from where my food comes from," wrote Kristin of BakerBettie.com in Chicago, Illinois. "It is so easy to grab things at the grocery store and never consider how they truly came to be. I absolutely loved the experience of becoming more connected to the source of wheat, which is such a huge part of my life."

The bloggers visited wheat harvest at Scott VanAllen's farm in Sumner County on June 12. Each of them had the opportunity to ride in the combine with VanAllen and harvest wheat.

"As we stood in the field, blowing in the Kansas wind, it really hit me what an incredible source of life wheat is. We learned that 20% of all calories consumed in the world come from wheat. That is just insane to think about," wrote Kristin. "And so I asked Scott what he wished the everyday consumer understood about his product. He responded,

"I want people to know that I'm producing a safe product. I think there is a lot of fear around where our food comes from. But hopefully coming straight to the source you can see that we take pride in what we do and we want to produce food that is safe to eat, because our family eats it too."

Research has shown that consumers want to know more about their food, how it is produced and where it comes from. By inviting influencers such as food bloggers to the farm, Kansas farmers are able to share their story with a broader consumer audience.

Jessica of A-Kitchen-Addiction.com in Minneapolis, Minnesota, wrote, "I love learning more about where my food comes from. There is so much information out there from all different sides, so it is nice to go straight to the source and see it for myself."

"I enjoyed our time with Scott, and I was impressed with his passion for farming and commitment to doing it right," wrote Annalise of CompletelyDelicious.com in

Salt Lake City, Utah. "And I loved learning the story behind all that flour I use in my baking!"

The #Wheat2Bread tour also had Jenny Goering, a farmer from McPherson County, accompany the food bloggers the duration of the trip. This allowed participants to always have a farmer on hand to ask questions of. Goering was able to share her experiences managing two farms, one conventional and one organic, and tell tales of her family's harvest traditions.

Stefani of Cupcake-Project.com in St. Louis, Missouri, loved the interactions she was able to have with Kansas wheat farmers. "As someone whose livelihood is so closely tied to wheat, it was an honor to get to stand in wheat fields and meet the folks who bring the wheat to us," she wrote.

Adriana from AdrianasBestRecipes.com in Orlando, Florida, encouraged her readers to ask farmers when they have questions about food. "Many times I have shared the importance of getting to know where the food that we eat comes from," wrote Adriana. "If you have the chance to meet a farmer, ask questions and learn the process. Nonetheless, the appreciation for food and the knowledge of what you and your family are consuming is safe and nutritious."

Other readers, with consumers. Visit eat-wheat.org to learn more and to read each of the bloggers' stories.

While in Kansas, the bloggers also visited Farmer Direct Foods in New Cambria and the Kansas Wheat Innovation Center in Manhattan. There, they had a hands-on baking experience where they got to complete the farm to food circle. Jill Ladd, a registered dietitian, was also on hand to talk about wheat's nutritional value.

Other bloggers on the tour included Lori from TheKitchenWhisperer.net in Pittsburg, Pennsylvania; Abby from HeartofaBaker.com in Milwaukee, Wisconsin; Sally from SallysBakingAddiction.com in Baltimore, Maryland; and Jamie from LoveBakes-GoodCakes.com in Phoenix, Arizona.

This tour was just one of many ways wheat farmers are sharing their story

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<p>SUNDAY, AUG. 5th Annual Fair Parade • 1:00 PM •</p>	

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FINANCING

U.S. Wheat Associates launches new website

U.S. Wheat Associates (USW) Headquarters Office in Arlington, Va., introduced a new look and organization to its website, www.uswheat.org, on Monday, July 16, 2018.

"The new website emphasizes the importance of the U.S. wheat farmers we represent, their overseas customers and the reputation of U.S. wheat as an essential ingredient in hundreds of wheat foods around the world," said

USW assistant director of communications Amanda Spoo. "The site is now organized to make it easier for visitors to access many of the site's most popular sections and to improve access from mobile devices."

"How we communicate with our customers and stakeholders needs to reflect the high quality and reliable performance of U.S. wheat and build trust in U.S. wheat farmers,"

said vice president of communications Steve Mercer. "We believe the new site does that effectively."

The website includes new features and information and is organized in six sections:

• **About Us** introduces USW and features information about its farmer board of directors, staff and expanded information about its 17 office locations and the countries they serve.

• **Market and Crop Information** is home to a familiar set of reports, including the popular Price Report and Charting Tool section, Harvest Reports, Crop Quality, Supply and Demand and Commercial Sales. A new "Ask the Expert" feature allows site visitors to confidentially seek answers to questions about contract specifications, wheat quality, milling and end-product uses, and flour quality.

• **Working with Buyers** describes the type of activities USW conducts with its customers, the six U.S. wheat classes and their uses, wheat industry terms, as well as U.S. wheat grade and non-grade factors; a new Resources section for buyers, millers and end-product processors is also featured.

• **Who We Represent** introduces the state wheat commission organizations that help fund USW activ-

ities, highlights the world class educational partners that work with USW to provide short courses and seminars, and summarizes successful activities with customers.

• **Policy** is an expanded section focused on how USW and the wheat farmers it represents are working to improve market access, monitor trade agreement negotiations, promote scientifically sound regulation and support the public/private partnership between farmers and USDA's Foreign Agricultural Service.

• **News and Events** includes new features and information including a "blog" version of USW's "Wheat Letter" newsletter, expanded information and registration for biennial marketing conferences and board meetings, and "Trigonoticias," USW's Spanish language newsletter.

In addition, there are newly designed pages that summarize USW's news and information in Spanish, French, Arabic, Traditional Mandarin and Simplified Mandarin.

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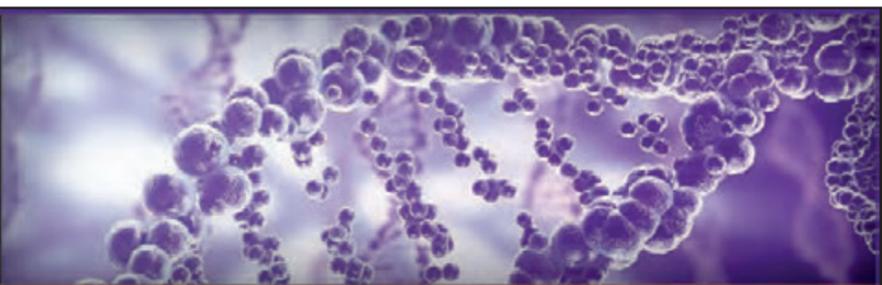
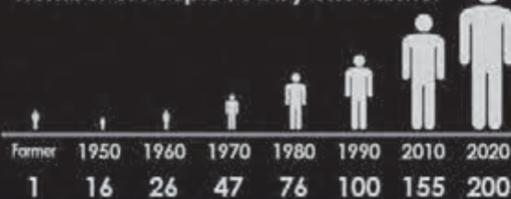
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THE WAY WEST

By Jim Gray

Unfaithful Promises

The Treaty at Medicine Lodge concluded October 28, 1867. It was supposed to mark the end of Indian troubles in Kansas. However, Congress was slow to ratify the treaty. Supplies and goods, known as annuities, pledged in the treaty were slow in coming. It looked like the government had been unfaithful to its promises, placing Agent Edward (Ned) Wynkoop in an awkward position.

Wynkoop's wards, the Arapaho, Southern Cheyenne, and Plains Apache were losing their patience. They had held the peace, not going to war as settlement continued to advance upon their beloved hunting grounds between the Arkansas River on the south and the Platte River on the north. Little did they know that the treaty did not allow them to hunt north of the Arkansas any more. That little fact was hidden from them to get them to sign the treaty.

Captain Albert Barnitz wrote in his diary, "...they have no idea that they are giving up, or that they have ever given up the country which they claim as their own, the country north of the Arkansas (River). The treaty all amounts to nothing,

and we will certainly have another war sooner or later with the Cheyennes, at least, and probably with the other Indians, in consequence of misunderstanding of the terms of present and previous treaties."

In a July 8th letter to his wife from a camp near Fort Hays, Barnitz related that two thousand lodges of Kiowas and Comanches were near Fort Larned, "demanding rations, and other supplies." All troops were to be, "held in readiness to make a rapid movement to that point." One day later troops were on the move.

Captain Barnitz wrote on July 12th that his troops, under command of Major Joel Elliott had gone into camp one mile west of Fort Larned along a stream known as Pawnee Fork. General Sully, commander of the Upper Arkansas, being uncertain as to the temperament of the plains tribes ordered "a precautionary concentration of units at the fort." Captain Barnitz was informed that Colonel Benteen and Lieutenant Hale would soon arrive with additional Seventh Cavalry troops, as they were in route from Fort

Harker. Captain Hamilton, believed to be already in the field was also expected to join the camp in a few days.

Barnitz indeed found many thousands of Indians in camp near the fort. "All the Indians carry revolvers, and look formidable enough, but they appear to be very friendly." Arms and ammunition for hunting were part of the treaty agreement but had been withheld. Barnitz noted their displeasure at this saying, "I think whatever promises are made to Indians should be religiously fulfilled to the letter - otherwise bad feeling and trouble ensues."

Major Wynkoop issued rations and supplies on July 20th. The Arapahos and Plains Apaches readily accepted what was offered, but seeing that arms and ammunition was not included in the dis-

tribution, the Cheyennes refused to take anything until the annuity was offered in its entirety. The tribe then left to hunt the prairies that were no longer theirs.

The day after the Cheyennes left, Capt. Barnitz visited Arapaho and Kiowa camps along the Arkansas River nine miles southwest of Fort Larned. Four hundred lodges sheltered an estimated four thousand four hundred Indians. Four to five thousand ponies and mules grazed the surrounding prairie. The Indian camp was in mourning over an unfortunate fight with Ute Indians on the buffalo plains to the west. Heap of Bears, a war chief, and five other warriors had been killed. Relatives and friends traditionally cut their arms, legs, and bodies, dancing and howling in agonizing grief after the

death of a loved one. One old woman slowly danced and chanted all the while gazing into the distance in the direction of the site of the tragic encounter.

July 23rd thunderstorms cooled what had been hot and miserable proceedings. Passing storms "sporadically pounded" Fort Larned throughout the day, followed by an hour-long downpour that evening. Several of the officer's wives, including Louise Wynkoop braved the storms to visit and serenade the Seventh Cavalry camp during a tranquil lull in the storms. Barnitz was pleased, writing, "Some of them sing very well and it is really a pleasure to hear female voices in our camp on a quiet evening."

Congress finally ratified the Medicine Lodge Treaty on July 25, 1868, nine months after it had

been signed. Agent Wynkoop learned of the authorization July 27th or 28th. He immediately sent runners to the scattered bands of people following the buffalo. Distribution of annuities, including the arms and ammunition the hunters so desperately needed would commence as soon as the tribes were collected. Wynkoop was about to discover that unfaithful promises would undermine the peace he had worked for. The stage was set for the return of bloodshed and heartache on The Way West.

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

Free Fair

REPUBLIC COUNTY KANSAS

July 31-Aug. 4 Belleville, KS

Monday, July 30
Open Class Poultry & Rabbit Entries Close
10am-6pm: Entries w/entry forms received, Floral Hall
8-8:30am: Horses checked in, Horse Arena
9am: 4-H & FFA Horse Show, Horse Arena
7:30-9pm: 4-H, FFA, Open Class Goat & Sheep Weigh-in (Market & Breeding)
9pm: All Poultry & Rabbits must be in barns
9:15pm: Mandatory meeting Goat/Sheep superintendent w/4-H/FFA exhibitors

Tuesday, July 31
All Open Class Livestock entries close
8am: 4-H, FFA, Open Class Rabbit & Poultry Judging
8:30am: All Open Class sheep & goats in place
9:45am: Mandatory meeting, Swine superintendent w/4-H/FFA exhibitor
8:30-9:30am: 4-H, FFA, Open Class Swine Weigh-in
9am: Floral Hall Judging; 4-H Food Sale in 4-H Bldg.
9am-10pm: 4-H bldg. open
10am-11am: 4H, FFA open class beef weigh in
11:15am: Mandatory meeting, Beef superintendent w/4H/FFA exhibitors
1pm: 4-H, FFA & Open Class Meat Goat Judging, Sheep to follow
4-10pm: Main Commercial bldg. open
6pm: FFA farm mechanics & crops in place
7pm: All Open Class barrows in place
8-10pm: Floral Hall Bldg. open, Floral Hall Bake Sale (after judging)
7:30pm: Southern Cross Band

Wednesday, August 1
8:30am: Open Class dairy/bucket calves in place
8:30am: Swine 4-H, FFA & Open Class Judging, Arena
9am-5pm, 7:30-10pm: 4-H bldg. open
12-10pm: Floral Hall Open
12:30-10pm: Flea Market bldg. open
1pm: 4-H & Open Class Bucket Calves judging, Arena
1pm: FFA Farm Mechanics & Crops Judging
4:00-10pm: Main commercial bldg. open
2:30pm: 4-H, FFA, & Open Class Dairy & Dairy Goat Judging, Arena
6pm: 4-H Night at the Fair & Style Review, Enttrmt. Ctr.
7:30pm: "Two Way Crossing", Entertainment Ctr.

Thursday, August 2
8:30am: All Open Class beef in place

Friday, August 3
9am-10pm: 4-H bldg. open
9am: Kolache Sale, Entertainment Ctr.
10am: 4-H, FFA Beef Judging, Eddie Valek Arena
11am-10pm: Floral Hall open
11am: Kolache Contest, Entertainment Ctr.
11-3pm: Live entertainment, entertainment ctr.
12pm: Open Class Beef Judging, Eddie Valek arena
12:30-10pm: Flea Market bldg. open
4:00-10pm: Main commercial bldg. open
3pm: Kolache Winners/Awards announced, Kolache Auction, Entertainment Ctr.
4pm: Livestock Sales Release forms due in Ext. Office
4pm: Polka band, entertainment ctr.

Saturday, August 4
9am-10pm: 4-H bldg. open
10am: Best of Fair & Cookie Jar Winners Pictures, Floral Hall
10am: 4-H & FFA Round Robin Showmanship Contest
12-10pm: Floral Hall open
12:30-10pm: Flea Market bldg. open
1pm: Regis. for Pinewood Derby, Entertainment Ctr.
1pm: Livestock Judging Contest, Arena
1:30pm: Pinewood Derby, Entertainment Ctr.
2:30-10pm: Main commercial bldg. open
5-7pm: Pork & Lamb Supper, Republic Co. 4-H Cncl.

Sunday, August 5
9am-10pm: 4-H bldg. open
9:30am: Regis. for "Little Tuggers" Tractor Pull, front of 4-H Bldg.
10am: "Little Tuggers" Tractor Pull, front of 4-H Bldg.
10am-10pm: Floral Hall, Flea Market bldg., & Main Commercial bldg. open
10-10:30am: Open Class Horses checked in, Horse ar.
10:30am: Auction items for Hall of Fame Auction open for viewing, Entertainment Ctr.
11am: Belleville High Banks Hall of Fame Race Memorabilia Auction, Entertainment Ctr.
11am-2pm: Open Class Horse Show, Horse Arena
2:30pm: 4-H Awards
3pm: 4-H & FFA Jr. Livestock Sale, Arena
5-7pm: KLA Beef Supper, 4-H Bldg.
7:30pm: Stewart Ray, Entertainment Ctr.
9pm: All Open Livestock Released

Sunday, August 5
8am: "4-H Vesper" Service, Entertainment Ctr., Open to the public. All other activities inactive in respect of svc.

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AUCTION LOCATION: Community Building at Swope Park,
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Property of JAMES E. & ELAINE M. DELK

AUCTIONEER'S NOTE: Here is an opportunity to own a piece of the Flint Hills located on the Marion/Chase Co. line. This pasture gives you several good opportunities, graze it for the 90-day summer, winter cattle or use it for recreation/hunting. This might be a good time to add to your livestock operation or diversify your portfolio with an investment in real estate. We look forward to seeing you at the auction!

LOCATION: At KS 150 & 77 Hwy. East of Marion, KS at the roundabout, continue east on KS-150 for 7.0 mi. to Clover Rd. OR from Elmdale, KS go South on US-50 for 1.0 mi. to KS-150, turn West and continue for 10.0 mi. to Clover Rd., turn North and continue 2.0 mi. to 220th St., turn East and continue 0.5 mi. to the Northwest corner of said property on the South side of the road. **WATCH FOR SIGNS!**

BRIEF LEGAL: The Northeast Quarter (NE/4) of Section Twenty-Four (24), Township Nineteen (19) South, Range Five (5) East of the Sixth Principal Meridian, Marion County, KS, containing approx. 161.99 acres. **2017 TAXES:** \$381.46. **MINERALS:** Sellers minerals sell with the property, there is no production.

DESCRIPTION: This Native and mixed grass pasture is located 1.5 miles north of KS-150 on the Marion/Chase County line. There is a large draw running from the southwest corner of the property to the northeast corner. The draw could provide for good protection to winter cattle or for good wildlife cover. The current owners are leaving a hunting blind they used for whitetail hunting. It is watered by a pond and a windmill. Access is good via a minimum maintenance road that dead ends at the northwest corner of the pasture. Fences are in average to below average condition. There are some catch pens located in the northwest part of the pasture. At one time, part of the property on the north end had been farmed and had an old home site, but has since been put back to grass and has, over the years, established a Native Bluestem and mixed grass stand. The pasture is easy to navigate which makes it easy for caring and looking after your livestock! Come and take a look at this FLINT HILLS pasture and see how to make this work in your operation!

REAL ESTATE TERMS: Earnest money at signing of the contract is \$25,000 made payable to Security First Title. Balance is due at closing on or before September 7, 2018 at which time Kansas Warranty Deed will be given. Early possession will be considered to a qualified buyer. Title insurance fees and closing fees of the title co. are split 50/50 between the buyer and seller. The 2018 taxes will be paid by the seller and all 2018 income will be retained by the seller. Buyer will receive full possession at the time of closing, with no ag lease or hunting lease. The property is sold as is, in its present condition, with no warranties or guarantees. You the buyer must rely on your own judgment or have your own inspections done prior to the auction. All financing arrangements must be made prior to the auction. All information has been gathered from Marion Co. sources and is deemed reliable but is not guaranteed. All announcements made day of auction take precedence over advertisements.

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Properly cleaning field sprayers saves time and costly repairs

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

Looking to save time, headaches and money? Proper maintenance and use of field sprayers can be your saving grace. Sprayer cleaning is a critical component of maintenance that will prolong the life of the sprayer, prevent

unnecessary and costly repairs and help to eliminate crop injury from contamination. While proper cleaning in preparation for winter is important, it is also critical to clean the sprayer throughout the spraying season.

Thorough sprayer cleanout is important following all pesticide applications, and especially after

the use of growth-regulator herbicides such as 2,4-D or dicamba products. These types of herbicides have systemic activity and are very selective, even at extremely low rates. If the tank is not properly cleaned after use, small amounts of the growth-regulator herbicides can remain in boom lines or on the walls or bottom of

the tank. Crop injury can occur even after several months of storage if other herbicides or adjuvants dissolve the residue in the new sprayer mix. A crop with moderate damage will suffer both delayed maturity and reduced yields. Leaf cupping is one sign of injury from sprayer contamination from growth-regulator herbicides.

Sprayers should be cleaned as soon as possible after use. Leaving the spray solution in the sprayer for long periods of time allows the herbicide mixtures to dry within the tank. This increases the difficulty of contaminant removal. Some pesticides can even cause the equipment to deteriorate over long periods of time.

Here are a few guidelines for properly cleaning a sprayer:

Mix only the amount of pesticide required, and apply the entire contents on the field as directed on the label. Dispose of any excess spray by applying it to an approved crop according to label directions.

Thoroughly rinse sprayer tank with water, circulate the water through the sprayer system and, if possible, apply rinsate on the treated field. Do not rinse it down a drain as this can contaminate well or groundwater. Many products will require a triple rinse of the spray equipment to get a thorough clean.

Fill the sprayer half full of water then add the recommended cleaning agent as directed on the herbicide label. If a cleaning agent is not recommended on the label, add a mixture of water and detergent to the spray tank. For best results, let the solution sit in the sprayer several hours, or overnight.

Be sure to rinse out the entire spray system with fresh water.

Always refer to the herbicide label for specific information on the recommended cleaning agent, protective clothing required and proper cleaning procedures.

Sprayers are important equipment for pesticide and nutrient applications. By properly using and storing a field sprayer, you can increase the life of the sprayer, save time by eliminating repairs and most importantly, save money in the long run.

For more information, contact Jeri Geren, Diversified Agriculture and Natural Resources, jlsigle@ksu.edu, (620) 331-2690.

AROUND KANSAS



Most of the time, the name of Tom Alderdice is mentioned in the history books because of his wife, Susanna, a story we will get to in a moment. But even before the tragedy that made headlines with his family, Tom had led an interesting life.

Tom was a Pennsylvanian, but had served in the Confederate army from Mississippi. Captured at Chickamauga, he found himself a prisoner of war at Rock Island, Ill. Then he became "Galvanized" and was sent to Kansas in the Union Army. Upon discharge, he remained in Kansas to start a new life.

He met the widow Susanna Daily, who had moved to Salina with her parents, two small children in tow. Tom and Susanna married, and homesteaded along the Saline River, near Spillman Creek, pretty close to present-day Lincoln. They had two children themselves and lives full of hope and promise.

Then came the Indian Raids, and settlements along the Solomon River in Mitchell and Cloud counties were hit the hardest. In response, the army would form an elite group of civilian scouts to find the hostiles' location. Tom answered the call, as did his brother-in-law Eli Zigler, the youngest to sign on with Maj. George Forsyth.

The men from this neighborhood were called the Solomon Avengers, and were out for blood to atone for that spilled along the Solomon.

Tom Alderdice and Eli Zigler survived the scouts' ordeal at what would be known as Beecher Island, and returned to their homes. But all was not peaceful. The following year Susanna, expecting her fifth child, was kidnapped clutching her baby girl Alyce. Her boys were shot down and left for dead in front of her. When Tom took up the trail, he found the body of his little girl, strangled and tossed aside for crying.

As the 5th Cavalry engaged the Cheyennes at Summit Springs, Colorado Territory, in an attempt to rescue Susanna and another captive, Susanna was killed. A proper Christian burial was conducted the next day and the grave was not marked so that it would not be disturbed. It

remains lost to time. Tom Alderdice lived to be 84 years old. He remarried and had other children. Unbeknownst to his mother, young Willis Daily miraculously survived the attack that took his siblings. He, too, married, and had a family.

When Tom passed away in 1925, he was one of the last of the Forsyth Scouts. His obituary read:

Now two survivors can now tell of the historical engagement in which Mr. Alderdice took part. One of them is Thomas Murphy of Corbin, who attended his funeral. The other is Sigmund Schlesinger of Cleveland, Ohio. Howard Morton, the fourth survivor, died in Palo Alto, California about two weeks ago.

In the Grand Reunion of Forsyth Scouts, Tom Alderdice will be portrayed by veteran performer Tom Leahy of Conway Springs. Folks may recognize Tom as having portrayed Abraham Lincoln in the Lincoln Day events or as Quantrill in the Lone Chimney Films production, *Bloody Dawn*.

For more information on the Grand Reunion of Forsyth Scouts, follow us on Facebook and watch for segments on *Around Kansas*. If you are interested in becoming a Forsyth Scout, send me an email and we will sign you up!!

On August 5, I'll be speaking at the Grainfield Opera House, on Main Street in Grainfield, at 2 p.m. Joining me will be Marla Matkin, portrayer of Libbie Custer, and a host of Forsyth Scouts. We'll talk about the history around the amazing events of 1868. On the walls of the Opera House are the Tom Curry original paintings of the stagecoach stops along the Smoky Hill Trail. They are beautiful works of art and it is nothing short of miraculous that they wound up back in Grainfield and on display in this wonderful building. Refreshments will be served because, well, an army moves on its stomach and we always make sure the army's stomach is full!

Deb Goodrich is the co-host of *Around Kansas TV Show* and the *Garvey Historian in Residence* at Fort Wallace Museum. Contact her at author.debgoodrich@gmail.com.

McCLAIN WELDING AUCTION

SATURDAY, AUGUST 4, 2018 — 9:30 AM
2338 184th ROAD — SABBETHA, KANSAS

DIRECTIONS: From Sabetha, take Main Exit off Hwy. 75 to Oregon St., go West 1.5 mi. on Oregon St. From Seneca, KS, go 12 mi. East on Hwy. 36 to W Rd., 4 mi. North to 184th Rd., 1/2 mi. East



MACHINERY (sells @ 1:00 p.m.)

2002 Wilson aluminum livestock trailer, 7'x20', nice; 1992 Titan livestock trailer, 7'x16', gooseneck hitch, good rubber & floor; Caterpillar D6 dozer, rebuilt engine, new elec. start, new pads, new rails & sprockets; rebuilt rollers & idlers; brush cab; air ride seat; John Deere 4240 w/148 loader, powershift, new batteries, 2-SCV's, 8350 hrs., 18.4x38 rears, good rubber, consigned by Steve Heiniger; Clark forklift, 6 cyl. gas engine, hard rubber tires; New Idea manure spreader, PTO, 5'x14'; 2 hay rack wagons, 8'x16' & 7'x14'; tandem flatbed trailer, 8'x20'; 13.5' truck bed trailer, gooseneck hitch, hyd. brakes, actuator & controller; box wagon w/hyd. lift, silage sideboards, 7'x14'; Kelly Ryan silage wagon; IH 12' vibrashank cultivator w/harrow, cyl., good shovels; slide in stock rack for pickup; mist blower, 3 pt., PTO; 200 gal. sprayer, 3 pt. w/540 PTO roller pump; 7 shank chisel, 3 pt.; Army trailer, 6'x9'; 3 pt. bale mover, heavy duty; 4 Allis Chalmers front end wts.; small front end loader bucket only, 42"; (2) 300 gal. fuel tanks on stands; 16'x5' grain auger w/elec. motor.

SHOP TOOLS

Miller arc welder/generator, elec. start gas engine, constant DC & AC/DC; 2 Hobart Beta-Mig wire welders, Model II & Model 251; Montgomery Ward AC/DC welder, 140-230A, very good; Esab PUM plasma torch; Hobart tig welder, 200 amp, Tungsten inert gas hi frequency; gas bottles, K size, 2-oxygen, 1-argon, 1-argon/helium, 1-propane; Industrial 5 hp, 80 gal. vertical air compressor, 220 V; horizontal air compressor, 220 V, 80 gal.; Industrial portable air compressor, Kohler 16 hp, elec. start; Wellsaw bandsaw, 3 phase; Wilton Strand drill press, large floor model, gear drive; lots of drill bits up to 1 5/16"; 2 sets of transfer punches; Craftsman tool box, top & bottom cabinet; other rolling toolboxes; Craftsman bench vise, nice; 4.5" shop vise on stand; Craftsman 16 gal. wet/dry shop vac; Honda 5 hp power washer, 3000 PSI; 2 acetylene torches, complete w/carts; Stihl portable chop saw, gas, Model TS360, nice; 9 new 14" chop saw blades; Makita chop saw, table model; Delta 12" compound mitre saw; 1 ton elec. hoist, 3 ton chain hoist; Baldor 3 hp. elec. motor; 1/2" air impact wrenches; 1/2" elec. drill press; 3/8" & 1/2" air impact wrenches; lots of socket sets, 1/4" up to 3/4", regular & deep well; lots of closed & open end wrenches, up to 2"; Campbell Hausfeld air sander; DeWalt & Milwaukee grinders; Excalibur 22" gas hedge trimmer, brand new; Craftsman 22" push string trimmer, 6.75 hp; HEAVY 4'x8'x30" tall steel shop table w/vise; 1/2" steel table top (you couldn't tear

this one up with a dozer); Heavy 4'x5' steel shop table; 4'x8' wood shop table, nice; several steel saw horses; floor jack, shop creeper, drill vise; 240V submersible pump; 54 pc. tap & die set; 20 ton hyd. jack; C-clamps, up to 8" jaws; woodworking pipe clamps; dial caliper; welding rod; transfer pump; 2 wheel dolly; 540 PTO extensions; welding clamps; snap ring plier set; vise grips; compact position lock tool box; lots of acetylene gauges; drills; jig saw; pipe wrenches; come alongs; paint sprayer; lots of small hand tools; double squirrel cage fan; L. B. White forced air heater; boat gas tanks & gas cans; grinding wheels & sanding discs; headlights & tail lights; lots of shelving & tool cabinets; several hydraulic cylinders; Bulldozer clevis; 30' dozer cable, 3/4" w/hook & loop.

STEEL

5" I beam, 17'8" long; 1/2"x12" I beam, 9'+; 5"x10"x15' I beam; 2 flat bars, 1 1/4"x6"; 12.5' & 20' long; 1" flat steel, 14'x37"; (2) 1/8" flat steel, 6'x8.5' & 6'x12'; 8 pcs. stainless steel, flat; Diamond plate flat steel, various sizes up to 4'x10'; 2"x2" square tubing, various lengths; approx. 250 pcs. of 1" corral pipe x 20'; oil field sucker rod; 20'+ length; (2) 4 1/2" O.D. pipe x 29'; lots of 2"-3" pipe up to 30' length; lots of flat steel, bar stock, angle & channel iron; 1 pallet of 6" channel iron, up to 40' length; pallets of misc. iron, lots of it; 32" white steel door; storage rack: 4'wx16'x13'tall has 3 adj. shelves, nice; plate steel rack: 4'wx5'x6.5' tall, heavy; iron racks, 6'x10' & 4'x7' & 7.5'x18', very heavy; heavy 14 hole steel stg. cabinet, 4'x4.5'; super nice, built by Rick; Bulldozer ripper shank; semi 5th wheel plate.

MISCELLANEOUS

Riverside woodburning stove; time clock w/ cardrack & cards, works; axle, wheels & fenders for small trailer; 12' fishing boat w/original oars; Mercury 7.5hp boat motor; 5 steel wheels, 15"x7"; hay trolley & track; tractor umbrella, yellow; 2 Coop bulk bins; salvage for parts; slide-in PU overhead utility rack; 16" & 17" trailer tires; 1-new 10.00x15 tire; new lowboy trailer tire, 8x14.5; brand new set of truck tire chains; ARE 7' fiberglass pickup topper, flip up windows, white, off of '14 Ford; 37"x68" plate glass; 6' rd. stock tank; Coleman Road Trip propane grill, like new; 7 pcs. of seasoned Burr Oak, 2.5"x11"x12", 10yrs. old, sawed @ Albany, will make some beautiful furniture; shop refrigerator, works; metal office desk, 2 drawer file cabinet; Samsung 8K BTU A/C, 110V, new in box; pallet of electrical wiring; large breaker box; 4 pcs. of lead, approx. 15-20# (for fishing lures); 30' - 4" plastic drainage tile; several duck decoys; 2 plastic tarps.

To view more pictures visit www.ashrealtyauctions.com

Auctioneers Note: Rick was heavily involved in farming, raising cattle, bulldozing and running a welding shop. This is a large auction, so bring your trailers. Loaders available on auction day. Plenty of parking, Trailers may park across the road in brome field.

LUNCH: By Woodlawn Meadowlarks 4-H Club. Porta Pot on the Grounds.

TERMS: Cash or approved check w/photo ID. No warranties expressed or implied. Buyers must rely upon their own inspections. Nothing removed until settled for. NOT RESPONSIBLE FOR ACCIDENTS OR THEFT.

SELLER: DEB & THE LATE RICK McCLAIN

Auction conducted by: **ASH REALTY & AUCTIONS LLC, Sabetha, KS**
Auctioneers: **THE AESCHLIMAN BROTHERS, Steven & David**
Phone # 785-547-5034 or 785-284-2417

Annual July Consignment

AUCTION

SATURDAY, JULY 28 AT 9 AM

Wheeler Auctions lot in Paris, Missouri

TRACTORS; COMBINES; PLATFORMS AND CORN HEADS; PLANTERS AND DRILLS; TILLAGE TOOLS; HAY EQUIPMENT; ROTARY CUTTERS; CONSTRUCTION PIECES; LAWN, GARDEN AND ATV'S; GRAIN, FEED AND MATERIAL HANDLING; SPRAYERS AND APPLICATORS; TRUCKS; TRAILERS; LOTS OF LIVESTOCK EQUIPMENT

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ABSOLUTE AUCTION

TUESDAY, JULY 31, 2018
PERSONAL PROPERTY SELLS AT 6:00 PM
REAL ESTATE SELLS AT 7:00 PM



512 Walnut Street WAMEGO, KANSAS
3 bed/2 bath w/1500+ sq ft plus detached garage.

REAL ESTATE TERMS: Property sells AS IS, WHERE IS. 10% non-refundable down payment is required day of sale by check. Buyer must be able to close on or before Aug. 31, 2018. Buyer needs bank letter of loan approval or funds verification. Cost of Title Insurance and Closing Costs 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.

Appliances & Furniture: Amana refrigerator; G.E. shop refrigerator; Kitchen Aid washer & dryer; Ironrite iron; sm. wood table; lg. antique wardrobe; bookcases w/storage; sofa/hide-a-bed; round kitchen table w/chairs; sm. oval folding table; sm. child's wood tilting chair; piano & bench; vintage wood cabinet; wood book shelves; metal shelves; metal display rack; wood cabinets; (3) 5-drawer McCall cabinets; lg. square beveled mirror; pictures on canvas by Junnell Nettles; green trunk.

Lawn & Misc.: Old hand garden plow; B & D cordless elec. weed eater; metal lawn chair; park bench; folding metal table; lg. roll of tapestry material; mink coat; advertising wood box; camera lenses & other camera items; knick knacks; several old picture frames; gold fireplace set; cast iron press; cookbooks; the London teapot, Chatsford, 6 cup & other teapots; orange granite soup tureen w/ladle; old bicycle; elec. baseboard heater; wood step ladder; lg. metal pet cage; and **LOTS MORE!!**

SELLER: EDITH ALEXANDER ESTATE

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www.kscrossroads.com • www.facebook.com/KScrossroadsauctions

Crossroads Real Estate & Auction LLC
ANDREW SYLVESTER, Listing Agent/Auctioneer, 785-456-4352
BILL DISBERGER, Auction Coordinator, 620-921-5642
TERRI HOLLENBECK, Broker/Owner 785-223-2947

Grass & Grain Area Sales and Auctions

July 26 — Weaver Grocery Store liquidation at Hesston. Auctioneers: Morris Yoder Auctions.

July 27 & 28 — selling 7-27: stationary engines, rock crushers & more; selling 7-28: 2009 Ford Explorer, 2011 Ford Ranger, 1951 Ford pickup, car trailers, 1963 Ford Galaxie, late '60s Ford Fairlane, '60s Ford 1 ton truck, '60s Ford pickups, '70s Ford F150, '60s Ranchero, farm equipment, collectibles & more held just South of Linn for Elden "Dobie" Wiechmann Estate. Auctioneers: Thummel Real Estate & Auction.

July 28 — Furniture, antiques, primitives, collectibles, tools & misc. at Portis for Robert & Ila Mae Lockhart Estate and Harold Wiegert Estate. Auctioneers: Wolters Auction & Realty.

July 28 — Tools, garage items, farm/yard items, boats, vehicles, vehicle projects, fishing equipment, collectibles, auto engines, guttering supplies, hardware & much more, guns at Topeka. Auctioneers: Wayne Hunter.

July 28 — Collectible cars, tractors, camper & shop equipment at Goesel for Willard R. Banman Estate and Shirley A. Banman. Auctioneers: Van Schmidt Auctions.

July 28 — Household, collectibles, tools at Scranton for Dolores Hollar. Auctioneers: Murray Auction & Realty.

July 28 — Tractor, ATV, hand & shop tools, household, appliances, much more at Scranton for Charles Noonan. Auctioneers: Wischropp Auctions.

July 28 — Firearms, porcelain advertising signs, toys, pedal tractors, John Deere Spec Cast, 1/64th & more at Lawrence. Auctioneers: Elston Auctions.

July 28 — Boats, campers, trailers, guns, farm equipment, vehicles, motorcycles, mowers, tools & more at Salina for consignment auction. Auctioneers: Wilson Realty & Auction Service.

July 28 — Antiques & collectibles, furniture, clocks, primitives, dishes & glassware, household & more at Marysville for Mary B. Wilkerson. Auctioneers: Olmsted & Sandstrom.

July 28 — Consignment auction with 2000+ pieces of machinery in Paris, MO. Auctioneers: Wheeler Auctions & Real Estate.

July 28 — Guns & hunting, antiques & collectibles, motorcycle items, appliances & household, outdoor & shop items for Ulli Wallace and the late Kerry Wallace in Empo-

ria, KS. Auctioneers: Griffin Real Estate & Auction Service, LLC.

July 29 — 1999 Mercury Grand Marquis GS, furniture, Amana washer & dryer, collectibles, artwork, Roseville, Red Wing & Rumrill collections, Rumrill pottery & much more at Manhattan for Howard Kidd et al. Auctioneers: Gannon Real Estate & Auctions.

July 31 — Real estate & personal property at Wamego for Edith Alexander Estate. Auctioneers: Crossroads Real Estate & Auction, LLC.

July 31 — Household, collectibles, tools, golf cart, mowers & more at Concordia for Rex & Pat Gerard Estates. Auctioneers: Thummel Real Estate & Auction, LLC.

August 4 — 2015 Yamaha Viking side by side 4 wheeler at Tipton for Tipton Church Picnic. Auctioneers: Thummel Real Estate & Auction, LLC.

August 4 — Antiques, collectibles, household & misc. at Ellsworth for Jack Rathbun Estate. Auctioneers: Wilson Realty & Auction Service.

August 4 — Consignments: vehicles, tractors, farm equipment, shop tools, livestock equipment, lawn & garden, building supplies, windows & doors, farm primitives & antiques, household, collectibles & more at Hutchinson for K-14 Hwy. consignments. Auctioneers: Morris Yoder Auction.

August 4 — 9.6 acres with log home in Diamond Creek Valley; tractor, Gator, truck, equipment, antiques, collectibles, household, appliances,

tools & outdoor items at Elmdale for property of John & Elsie Bock. Auctioneers: Griffin Real Estate & Auction Service, LC.

August 4 — Machinery, shop tools, steel, misc. & more at Sabetha for Deb & the late Rick McClain, McClain Welding. Auctioneers: Ash Realty & Auctions, LLC, the Aeschlieman Brothers.

August 5 — Tractors, cars, ATV, vintage, household, collectibles, furniture at Osage City for local sellers. Auctioneers: Wischropp Auctions.

August 6 — Prime Farmland auction selling in 2 tracts (Tract 1 83.2 acres m/l for Orville I. Hupe Trust) & (Tract 2 64.5 acres m/l for Virginia O. Hupe Trust) held at Wamego. Auctioneers: Crossroads Real Estate & Auction, LLC.

August 7 — Real estate auction of Rice Co. Farm ground in 2 tracts for We Be Farming LLC in Lyons, KS. Auctioneers: Stroh's Real Estate & Auction.

August 8 — 161.99 acres of Flint Hills Grassland in Marion County held at Cottonwood Falls for property of James E. & Elaine M. Delk. Auctioneers: Griffin Real Estate & Auction Service, LC.

August 11 — Collectibles & personal property at Home City for Mrs. Betty (Merlin) Wright. Auctioneers: Olmsted & Sandstrom.

August 11 — Shop equipment, Vehicles and Misc. Machinery for Dean & Elaine Begnoche in St. Joe, KS. Auctioneers: 5A Auction Service.

August 13 (Monday) — Coins, Santa Fe Railroad items, guns, miscellaneous

at Osage City for Duane Duke. Auctioneers: Wischropp Auctions.

August 18 — Farm equipment, pickup truck & ATV, hay & livestock equipment, tools & miscellaneous at Hanover for the Judy Holle family. Auctioneers: Donald Prell Realty & Auction LLC.

August 23 — 320 ± acres Greenwood County, KS Land held at Eureka for Merle L. Braden & Dolores A. Braden Revocable Living Trust. Auctioneers: Sundgren Realty, Inc., Land Brokers

August 25 — Coins at Emporia. Auctioneers: Swift-N-Sure Auctions.

August 25 — Jackson County land sold in 2 tracts & personal property held near Whiting for the Estate of Jaroslav Sedlacek. Auctioneers: Harris Real Estate & Auction, LLC.

September 1 — Collector car (1967 Corvair 110 convertible), motor scooters, furniture, collectibles, signs, KU Jayhawk memorabilia, porcelain advertising, shop equipment, misc. & some vintage furniture consignments (from Lee Bittenbender) at Lawrence for Dave & Jamie King. Auctioneers: Elston Auctions.

September 15 — Large Coke collection, household goods, tools & antiques at Clay Center for Lavonne (Mrs. Forrest) Hartner. Auctioneers: Kretz Auction Service.

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

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Conservation group to restore plants along Kansas River

(AP) — A local Lawrence preservation group will bring native trees back to the banks of the Kansas River to help rid the waterway of pollution.

Friends of the Kaw was recently awarded a nearly \$78,000 Douglas County Natural and Cultural Heritage grant to help restore native tree and plant species to a mile-long stretch of land along the river, the *Lawrence Journal-World* reported.

Riverkeeper Dawn Buehler says those plants' deep root systems protect against erosion and help filter pollutants out of storm water before it reaches the river.

"We have to find ways to protect that water resource, and this is a really ecological and natural way to protect the water supply," Buehler said.

The Kansas River is a primary source of drinking water for about 800,000 people in northeastern Kansas, according to the U.S. Geological Survey. The river's watershed covers parts of Kansas, Nebraska and Colorado, but officials have identified water quality concerns related to excessive nutrients, bacteria and sediment concentrations in the waterway.

Buehler said restoring deep-rooted native plants to the river's upland vegetated areas, known as the riparian buffer, is especially important because of the large number of people who rely on the river as a source of drinking water.

Friends of the Kaw has partnered with ecologist and Courtney Masterson to restore native species to the buffer area. Volunteers will remove invasive species that make up the majority of the forest floor and keep the seeds of native plant species from germinating and growing. Masterson said they'll follow with planting native trees such as cottonwood, bur oak, papaw and buckeye, as well as wild grasses and flowers.

place a classified ad or subscribe online to **GRASS & GRAIN**
grassandgrain.com

AUCTION
SATURDAY, JULY 28, 2018 • 9:30 AM
Auction Site: 1230 E. 197th — SCRANTON, KANSAS
AUCTIONEER'S NOTES: This is a real nice auction with lots of neat clean items with lots of life left! Something for Everyone!
Check our website for pictures!
HOUSEHOLD • COLLECTIBLES • TOOLS
See last week's Grass & Grain for listings!
SELLER: DOLORES HOLLAR
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www.murrayauctionandrealty.com

AUCTION
SATURDAY, JULY 28, 2018 — 9:00 AM
Offering for sale at Public Auction, located from the intersection of GOESSEL, KS & K-15 Hwy. 2 miles east & 1/2 mile south on Diamond.
COLLECTIBLE CARS, TRACTORS, CAMPER & SHOP EQUIPMENT
1960 Ford Thunderbird 2 door car, restored & excellent; 1950 Plymouth Special Deluxe 4 door car, restored & excellent; 1971 Oldsmobile Cutlass station wagon, runs; 1984 Buick LeSabre Limited 4 door car, runs; 1974 John Deere 302-A industrial backhoe / loader tractor, 4589 hrs., clean; 1970 John Deere 3020 gas tractor, Farmhand loader, 3 pt., pto, 4018 hrs.; 1998 John Deere 855 FWA tractor, J.D. 70 loader, 3 pt., pto; 1995 Impala Travel-Line 30' bumper hitch tandem axle travel trailer; Rhino Turbo TM60 3 pt. pto finish mower; 4 wheel bale trailer; 5' 3 pt. rotary mower; IH 3 pt. 2 btm. plow; 3 pt. dirt scoop; 6' 3 pt. tandem disc; 3 pt. bale mower; 3 pt. 5 shank tool bar; Craftsman 5 hp 60 gal. air compressor; Sanborn port. air compressor; sand blaster; Troybilt 2450 psi pressure washer; cherry picker; floor jacks; chop saw; torch & gauges; Husqvarna 235 chainsaw; Mig Mate welder; B & D 6" bench grinder; 4.5" vise; impacts; sockets; hand tools; jack stands; shovels; rakes; forks; ladders; hardware; parts organizers; gear pullers; misc. car parts; battery charger; timing lights; shop vac; Huffy bike; push mowers Rot-o-hoe 5 hp rear tire tiller; wheelbarrow; tires; wheels; Kenmore washer; Hot Point refrigerator; Westinghouse elec. range; J.D. thermometer; & more.
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TERMS: Cash day of sale. Statements made day of sale take precedence over advertised statements.

AUCTION
TUESDAY, JULY 31, 2018 — 4:00 PM
Auction will be held at the home 1004 Valley in CONCORDIA, KANSAS
HOUSEHOLD & COLLECTIBLES
La-Z-Boy leather recliner; new leather lift chair; Schneider floral divan; Singer 6 pc. queen bedroom set; walnut 3 pc bedroom set; maple 3 pc bedroom set; dinette table & chairs; oak china hutch; oak drop front desk; corner shelf; glass top coffee & end tables; flat top trunk; library table; washer & dryer; Hot Point refrigerator; upright freezer; Window air conditioner; stereo; metal lawn chairs; picnic table; paintings inc: corner painting; 10 quilts; bedding; pink depression pieces; covered turkey; Hull tea pot; figurines; watch fobs; watches; costume jewelry; assortment of other collectible glass; bottles; lanterns; trike; wagon; cream cans; milk can; Grand De Toure cast iron seat; double wash tubs; small appliances; pots & pans; dishes; Tupperware; silverware; cameras; walker; assortment of other items.
BOAT, TOOLS, GOLF CART, MOWERS
Lund 16 1/2' Renegade II aluminum boat w/60 hp motor; Club Car golf cart; golf clubs; Craftsman DTL 3000 riding mower; Craftsman push mower; gas edger; gas weed eater; 36" metal lathe; Craftsman 2500 generator; Craftsman twin air compressor; Craftsman 12" table saw; 12 speed drill press; Fomey welder; planer; belt & disc sander; stack tool box; Honda power washer; bench grinder; Craftsman gas blower; Stihl chain saw; air bubble; Craftsman 18 volt drill & saw; DeWalt tools; planes; assortment hand tools; shop vac; fishing poles; Pacific bike; 2 wheel dolly; shop fan; wheel barrow; 2 wheel trailer; shovels; rakes; gas cans; chains; boomers; assortment of other tools.
Note: The Gerard's have very quality furniture, and a large assortment of good tools. Check our website for pictures at www.thummelauction.com.
REX & PAT GERARD ESTATES
Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
785-738-0067

AUCTION
SUNDAY, JULY 29, 2018 — 12:30 PM
605 Mount Brier Place — MANHATTAN, KANSAS
1999 Mercury Grand Marquis GS, sun roof, bucket seats, gray leather interior, very clean car, 165,346 miles.
Dining table with 4 chairs & matching china cabinet; sofa & matching loveseat; glass top coffee & end tables; LazyBoy recliner; dropfront desk with shelf above; 3-section glass door bookcase; hall table & mirror; hide-a-bed couch; curio cabinet; entertainment center; cedar chest; bedroom suite with bed, chest, dresser with mirror & 2 night stands; Oak stand table; bookshelf; rocker recliner; Oak bookshelf; **Amana washer & dryer;** serving cart; 3 bar stools; floor lamp; footstool; small 4-drawer chest; bookshelf; stand table; small dinette table; granite top table; circular flower stand; card table & chairs; McCall's cabinet; miscellaneous chairs; stereo equipment; beveled mirror; nice area rugs; lamps; barometer.
ARTWORK
Signe Larson water color; John O'Neil bird picture; Oscar Larmer 75th Anniversary Rose china; 30 B&G Collector plates; 45pc set Lenox 'Eternal' china; 3 Hummel's; antique clock; pewter pitcher; crystal bowl; Dowling bird carving; Waterford, crystal & porcelain birds; handpainted plates; Carnival glass; Lane & other jewelry boxes; etched glass; china slipper; green glass; kerosene lamps; vases; brass candleholders; seed bird; Westmoreland candy dish; 5pcs Jadeite; McCoy wishing well; small bisque doll.
ROSEVILLE COLLECTION
Cornucopia 153-6"; Silhouette 756 vase; 1P3-5 planter; 2916 Bush berry double handled vase; 779 vase; 1288-6 wall pocket; 154 Raymore by Roseville vase & under plate.
RED WING & RUMRILL COLLECTION
Lime green B2002 vase; Gray M-5001 vase; dark green B1430 vase; 1354 gray vase with pink lining; pink bowl M-1477; gray vase M-5003; large pink speckled vase; pale pink vase; Magnolia 1012 pitcher; Magnolia 1018 pitcher; large 931 Magnolia pitcher; Red Wing 860 vase; Pierre cookie jar; dinnerware-charger plate; one large, one small Village Green pitcher; 3 gallon RW crock; 2 Minnesota stoneware jugs; 3 splatter ware bowls; bud vase; gray B141BA vase; 2 Magnolia 220 pitchers; Charles Murphy M-1439 vase; Greek Line 1186 pitcher plate blue vase with pink interior 1237; gray vases pink interior B1399 & 1056; aqua speckled candleholder M1471; yellow vase gray interior 402; white vase green interior 1097; gray planter pink interior 1378; pink bowl yellow lining M1610; B2100 gray vase pink lining; Lime green tray dark green lining B2014; tall blue vase with handles marked RW Art pottery; Red Wing Collector's Society commemoratives-2000, 2002, 2003, 2007 & self-draining jar.
RUMRILL POTTERY
Blue vase K13; Bud vase 329; Blue vase 637; blue vase 631; tall Tulip shaped blue vase K3; white vase with light green interior 638; unmarked blue vase; unmarked tall blue vase; pitcher with lid; blue vase H-4; Greek line trumpet shaped vases (2); tall pink vase 117; unmarked blue speckled vase with yellow interior; Red Wing flower pot; several crocks (damaged).
Records; fancy mirror; Hoover steam vac; microwave; ironing board & iron; baskets; step stool; luggage; Bissell vacuum; walkers; Mr. Coffee; garden hose; aluminum extension ladder; shop vac; garden tools; old jars; lantern; orange crate; glasses; cups; Pfaltzgraf casseroles; silverware; cutlery; appliances; cornbread pans; miscellaneous.

HOWARD KIDD ET AL
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2-DAY AUCTION
FRIDAY, JULY 27 & SATURDAY, JULY 28, 2018 • 9:30 AM
Auction will be held at the farm located from 1/2 mile South of LINN, KANSAS on Osage Road
SELLING FRIDAY, JULY 27 9:30 AM
300+ stationary engines inc.: Eclipse 2 hp; Fairmont; Hercules; Alpha; White; John Deere E; Stover CT 2; Cushman air cooled & Cub; Judson; Novo water cooled; Jumbo P; Economy; Sattley 2 hp; Witt 6 hp; Fairbanks Morris Z & 153LS; Kohler D; Monitor; Witt 6 hp; International A, LA & LB; Yanmar diesel; Maytag; LeRoy not complete; IH LA w/WW grinder on wheels; IHC 6 cy engine on wheels; Allis 4 cy engine (2 head engine) on wheels; Spain engine; **Rock crushers inc.:** (Universal no 2, Rogers w/IHC engine on trailer; 1938 Rogers 233; Universal w/Lycoming motor on trailer; Universal w/IH engine on trailer; New Holland K-56); Air plane shuttle tractors; shop built crawler tractor no motor; 2 shop built tractors; wood water wagon on steel; walking garden tractors; Curtis compressor; Craftron 2 cy Centennial power unit; Powerlite generator; US Army signal generator w/4 cy motor; Power Light generator w/Essex solid rubber tires; metal tool on wheels.
SELLING SATURDAY JULY 28 9:30 AM
2009 Ford Explorer Sport Trac XLS pickup, 4 leader engine auto; 2011 Ford Ranger XLT pickup, 4L V6 engine, 5 speed, air, 96,000 miles; 1951 Ford pickup 4 speed, flat head 8 cy, 20,133 miles; clean inside; 14' tandem axle car trailer; 1963 Ford Galaxie 4 door car, 3 speed, 6 cy. 92,000 miles; late 60's Ford Fairlane 500 car; 60's Ford 1 ton winch truck; several 60's Ford pickup; 70's Ford F150XL w/aluminum flat bed; 1960s Ford Econoline pickup; Sears motor scooter frame; Allis WC un-styled tractor; Allis WD tractor w/ loader; McCormick Deering 10-20 crawler; shop built Case tractor; JD 45 combine; thrashing machine; Yamaha snowmobile; IHC 2 bottom plow; Allis 2 bottom plow; Case manure spreader; Allis 2 row mounted corn picker.
trucks; JD grinder; JD & IHC corn shellers; engine trucks; log saw blades; water pumps; Wizard boat motor; riding mowers; self propelled wheel barrow; large assortment of other items.
er; side delivery rake; JD disc; JD drill; McDeering 5' mower; tumble bugs; 2-4 wheel grain wagon; 2 wheel pickup trailers; several pieces horse drawn machinery; fenders for Allis tractor; Clipper seed cleaner; Master Mix Master melter; buzz saw; Letz burr grinder; AC parts; Tools inc.: Power Kraft welder; chain hoists; chains boomers; drill press; engine stand; tool boxes; assortment tools; forge; anvil; pedal grinder; water separator; pump jacks; post vice; buckets; corn nubbars; steel wheels for Allis; wooden tool chest; oak dresser; oak high-boy; glass churn; wash bench; electric Aladdin lamp; DeLaval cream separator; oil cans; traps; buggy steps; hog oiler; lanterns; scales; 12 gal RW crock; cream cans; Coop thermometer; assortment magazines; Ford Times; implement manuals; road signs; Army gas cans; metal lockers; assortment iron wheels; chicken feeders; mobile home tires; fans; doors & windows; puzzles; knives; very large assortment of other collectibles.
Dobie has tires; metal tool on wheels.
There are hundreds of items both days. Check our website for pictures & a more complete sale bill: www.thummelauction.com.
ELDEN "DOBIE" WIECHMANN ESTATE
Auction Conducted By: THUMMEL REAL ESTATE & AUCTION LLC
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