



Companies celebrate 100-millionth sheet of plywood containing soy

By Donna Sullivan,
Editor

It might be hard to imagine a connection between mussels clinging tenaciously to rocks in pounding waves, household cabinetry, air quality and Kansas soybean farmers, but that's exactly what was celebrated in late June when the 100-millionth panel of Columbia Forest Products' (CFP) PureBond Plywood rolled off the line. Crestwood, Inc., a Salina-based cabinetry company, hosted the event that brought together soybean farmers and industry leaders, along with Crestwood and Columbia Forest Products representatives.

Crestwood's president, Mike Junk, said the family business has been with CFP almost since the beginning fifty years ago. "We've always liked Columbia because they are always on the cutting edge," he said. "The beauty of this is that it is using Kansas soybeans."

CFP representative Jan Barnes called Crestwood one of their very best customers in the industry. "Crestwood has made our products better because they push us on quality," she said.

In the early 2000s, when carbon regulations started coming out and indoor air quality became a focus, CFP began looking for ways to get the formaldehyde out of their products and found their resin suppliers had no alternatives for them. Scientists at Oregon State University



Crestwood Inc. president Mike Junk, Jan Barnes of Columbia Forest Products, Kansas Agriculture Secretary Mike Beam and Lance Rezac, United Soybean Board director, hold samples of cabinet panels made with PureBond Plywood. The resin used to make the hardwood plywood is made from soy flour, which replaces the urea-formaldehyde that had traditionally been used. Since 2005 CFP has used 266 million pounds of soy flour from 6,820,513 bushels of soybeans.

Photos by Donna Sullivan

had been studying the way mussels were able to adhere to rocks in the midst of crashing waves by secreting a protein. The research led to soy flour, which delivered the adhesion and water resistance needed for the resin to bond the plywood core. The U.S. Environmental Protection Agency awarded the researchers the 2007 Presidential Green Chemistry Award, calling the technology the "first cost-competitive, environmentally friendly adhesive that replaced the toxic urea-formaldehyde (UF) resin."

According to Barnes, since 2005 the company has used 266 million

pounds of soy flour from 6,820,513 bushels of soybeans to make the 100 million panels of hardwood plywood. From that 6.25 million sets of kitchen cabinets were constructed. "If you laid 100 million panels end to end, it would go from Salina to the South Pole 17 times," she said. "It's 151,000 miles of panels that we have produced."

"U.S. soy farmers demand on demand for our crops, so we really appreciate the fact that companies like Columbia Forest Products and Crestwood are joining us in creating these new products that contain soy," said Lance Rezac, United Soybean Board di-

rector, who grows soybeans near Onaga. "The soy benefits in this plywood are a really important message for America."

Kansas Soybean CEO Kenlon Johannes, who administers the soybean checkoff, emphasized its importance in continuing research and market development. Each time a producer sells soybeans in the United States, one half of one percent of the net market value is deducted from their price, and the money is sent to 26 different states, one of them being Kansas. The state keeps half, about \$4 million per year, and the other half is sent to the United Soybean Board. "It



Standing in a showroom at Crestwood Inc. in Salina, Kenlon Johannes, Kansas Soybean CEO, explained the soybean checkoff and how it helps promote research and market development.

was soybean farmer dollars that was put towards this effort and really helped develop the product, along with industry, and now it's being commercialized," Johannes said.

Also on hand for the celebration was Kansas Secretary of Agriculture Mike Beam. "There's not a lot of good news out there, with low commodity prices and the trade issues," he acknowledged. "But days like today are the ones we want to celebrate and recognize that producers are putting funding into this long-term research and market development and it's paid dividends and will continue to pay dividends."

CFP plywood products can be purchased through wholesale distributors, select Home Depot locations and from fabricators like Crestwood, whose 300,000-square-foot plant in Salina is one of the most modern woodworking facilities in the United States.

"We are always looking for ways to better our products to meet customer needs," said Junk. "PureBond is a cost-neutral product that also gives air-quality benefits to our customers, as well as employees. We are excited that each piece of furniture we make also uses soybeans like the ones grown here in our state."

Beef Improvement Federation names Hinkson Ranch 2019 Seedstock Producer of the Year

The Beef Improvement Federation (BIF) presented Hinkson Angus Ranch, Cottonwood Falls, the BIF Seedstock Producer of the Year Award on June 20 during the group's annual meeting and symposium in Brookings, South Dakota. This national award is presented annually to a producer to recognize their dedication to improving the beef industry at the seedstock level.

Hinkson Angus Ranch is located in the Flint Hills region of east central Kansas, 12 miles southeast of Cottonwood Falls. This region is the largest portion of the tallgrass prairie left in North America. The ranch



Hinkson Angus Ranch, Cottonwood Falls, was named the 2019 Beef Improvement Federation Seedstock Producer of the Year during an awards ceremony June 20 in Brookings, South Dakota. Pictured are, from left, Burt Rutherford, *BEEF* magazine, award sponsor; Marilyn and Frank Jr. Hinkson; and Lee Leachman, 2018-2019 BIF president.

Courtesy photo

was purchased in March 1984, when Frank Jr., wife, Marilyn, and children Trey and Tyla moved from West Texas with 90 head of registered Angus cows. These cows stemmed from the original registered herd started by Frank Sr. in 1959 near Lazbuddie, Texas.

Today, Hinkson Angus Ranch is owned by Frank Jr. and his son, Trey, who is the fourth generation on the ranch and manages the daily operation. Hinkson Angus consists of 5,500 acres of owned and leased land, and 200 fall- and 175 spring-calving registered Angus cows. An additional 1,000 commercial heifers

are purchased each year, with the majority coming from Hinkson bull customers.

The focus of the Hinkson family is to produce practical, balanced-trait seedstock that will work at an optimum level in all phases of the beef industry in a real-world environment. Over the years, the Hinksons have been early to adopt new advances and technology within the livestock industry. A small herd of registered Charolais cows was added in 2017, in response to the needs of some of their commercial customers to add terminal genetics. The Kansas Live-

stock Association nominated Hinkson Angus Ranch.

More than 500 beef producers, academia and industry representatives were in attendance at the organization's 51st annual convention. BIF's mission is to help improve the industry by promoting greater acceptance of beef cattle performance evaluation.

For more information about this year's symposium, including additional award winners and coverage of the meeting and tours, visit BIFconference.com. For more information about BIF, visit Beefimprovement.org.

Kansas considers quarantine for Old World Bluestems

(AP) – Kansas agricultural officials are considering a quarantine to slow the spread of an invasive plant that's threatening the state's native grasses.

The Kansas Department of Agriculture recently sought public input on a plan to quarantine invasive yellow and Caucasian bluestem grasses, the Topeka Capital-Journal reported. The varieties have invaded all but three counties in Kansas.

Declaring the quarantine would prohibit the movement of all seeds, plants or parts of bluestem grasses within Kansas or across the border into the state.

The move could affect some ranchers who rely on the species when cutting hay to feed livestock.

Ron Klatske, executive director of environmental nonprofit Audubon of Kansas, expressed support for the proposal, saying bluestems are both difficult and expensive to eradicate.

"It has a dramatic detrimental impact," Klatske said. "It basically destroys all native plants."

He said bluestems are inferior to native grasses in terms of livestock forage, erosion control and wildlife habitat.

Kansas Livestock Association Attorney Aaron Popelka acknowledged that bluestem grasses pose a threat to the state's biodiversity. But Popelka said the livestock group opposes the plan because it could economically hurt producers.

He said the quarantine would prevent hauling hay containing the invasive bluestems, affecting farmers and ranchers in areas where the grasses aren't posing a big challenge.

Popelka said most of the bluestem grasses "came from the (state) Department of Transportation allowing it to be seeded along roadways."

He said producers shouldn't be forced to deal with a problem largely manufactured by the government.

Popelka instead suggested that the state blocks the sale and planting of bluestem seeds in Kansas. He also said the state could list bluestems as a noxious weed. The label would allow the plant to be managed on a county-by-county basis.

The Department of Agriculture doesn't have a timeline to decide on the quarantine, according to officials.

By Glenn Brunkow, Pottawatomie County farmer and rancher

I am here, in the house, writing this column because we had another round of rain, and I cannot be out mowing hay. I said last summer I was not going to complain about rain, but here we are a year later, and it is hard not to. It appears the whole universe

is against those of us in agriculture, and we can't catch a break.

Between weather, trade wars and record-low farm income, it is easy to get down. We all get down at times, I know I did this winter. We had wave after wave of bad weather; it never lets us catch a breath or fully recover from the havoc it wreaked

on our livestock. I remember one night coming in and telling Jennifer, my wife, I could not take it any more.

She listened to me and consoled and counseled me the best way she knew how. I was lucky, I had a support team around me who helped me with chores and things got better. That is not always the case. Every day I read stories about the mental health crisis in agriculture and the rising rates of suicide among our friends and neighbors. I understand, and I am worried.

Several times I have been asked what Kansas Farm Bureau can do about this crisis,

and I must admit I don't have any easy answers. We have talked about it. Kansas State Extension and Research has a wonderful program to connect farmers and ranchers with the help they need. Resources and mental health professionals are often just a call away. However, these resources are seldom used.

I get it — it's tough to admit we need help. I don't see my medical doctor as often as I should, and medical problems do not have the stigma mental health issues do. That is a downfall of our society, and one we had better get over in a hurry. We have also been raised with

the idea that emotions should not be shown, things will get better, just suck it up and go on. Nothing could be further from the truth.

I don't know what the answer is. I know we need more resources funneled into mental health. I know it is going to be a bigger and bigger problem if this economy and weather don't straighten out. While I may not have all the answers, I do know one thing we can all do.

Take care of each other. Watch your neighbors and friends, offer support and, most importantly, if you think someone is struggling, talk about it. Let their family

know, talk to them, don't ever let anyone think they are going through this by themselves and don't be afraid to intervene. Take the time to check on friends and neighbors you haven't seen for a while. The best thing about farmers and ranchers is the community, and communities care for everyone. Together we will get through this.

"Insight" is a weekly column published by Kansas Farm Bureau, the state's largest farm organization whose mission is to strengthen agriculture and the lives of Kansans through advocacy, education and service.

Collaboration key to meeting consumers' expectations for better animal welfare

Collaboration between veterinarians and producers is crucial in order to meet public demands of high animal welfare, according to international experts at recent Boehringer Ingelheim's Expert Forum on Farm Animal Well-Being.

Over 100 delegates from 17 countries gathered in the historic city of Prague June 6-8 for the 12th edition of this conference hosted by leading global animal health firm, Boehringer Ingelheim.

Since 2008, the Forum has brought together animal scientists, retailers, veterinarians, producers and industry advocates to discuss the latest research, data and visions on improving the welfare of animals that supply essential global food chains.

This year's event asked the question: Do consumers and citizens want the same thing?

The difference between the two was highlighted by Laura Higham of FAI Farms, who spoke of the 'citizen shift', in which individuals who wish to have a greater influence over society — including animal health and welfare — are utilizing spending power to drive ethical food supply chains.

Higham also discussed the variance in farm assurance schemes and whether or not the current schemes meet consumers' expectations for better animal welfare.

Despite this proven 'citizen shift,' willingness to pay for higher welfare is a still a massive issue facing the industry, as noted by Dr Lynn Fewer, Newcastle University. "Concerns associated with farm animal welfare and production may not correspond to purchase and consumption

practices, with sales of welfare friendly products much lower than the reported levels of concern. This suggests a discrepancy between an individual's role as a citizen and as a consumer, such that citizens and consumers have different concerns in different contexts."

Sustainable supply chains were on the agenda in talks from Robert Erhard, Nestlé, and Dr. Jeff Brose, Cargill Animal Nutrition, USA; while Dr. Rory Sullivan, Chronos Sustainability, explained to delegates the importance of global benchmarking schemes on farm animal welfare for global food companies.

When it came to defining what animal welfare really means, speakers across the board were keen to highlight that it does not just mean physical health. "It's essen-

tial to remember that animals with the absence of pain don't necessarily have good welfare," explained Charlotte Winder, from the University of Guelph, Canada, in her speech about how vets can assess pain levels in livestock.

This concept led to further discussions on ethical beef production from Rob Drysdale from StraightLine Beef, U.K., and the fascinating link between antimicrobial resistance and animal welfare from Professor Xavier Manteca, Autonomous University of Barcelona, Spain.

Marianne Villettaz Robichaud, University of Montreal, Canada, discussed the latest evidence on lying time and cow comfort, while Leopoldo Stuardo Escobar from the World Organisation for Animal Health, France, gave an insight into the OIE Global

Animal Welfare Strategy.

Even with access to the latest research and technology, one of the biggest blockers in achieving high animal welfare is behavior and attitudes, as highlighted by Dr Anna Wilson and Katie Morton from Innovia, U.K. In their address to delegates and through an insightful interactive workshop, the duo gave practical advice on how to alter both professional and farmer behavior in order to make the end goal of high animal welfare more attainable.

With consumers and stakeholders in the food industry increasingly interested in the production systems behind food products, a key outcome of the conference was the need for greater collaboration between veterinarians and farmers to ensure supply chains are both sustainable

and maximizing farm animal welfare.

"We are dedicated to finding ways to improve farm outcomes through supporting farm animal well-being," said Dr. Laurent Goby, senior global marketing manager at Boehringer Ingelheim. "Forums such as these are pivotal in bringing the best in the business together to explore, discuss and enlighten others on how we can work together to achieve this for industry professionals, farmers and most importantly, consumers."

Boehringer Ingelheim also maintains a website dedicated to farm animal well-being (www.farmanimalwellbeing.com) which contains all information, including the papers that were presented in Prague as well as details of previous meetings.

No Impossible Meat for Arby's; Beyond Meat shares fall

Though plant-based protein has been hot in the news, fast food restaurant chain Arby's is bucking the trend, according to *USA Today*.

Instead of adding vegetarian items to their menu, the company announced it will develop meat-based dishes that look like plants, aiming

at carnivores who also desire vegetables.

"It's kind of a way of creating something for people who like proteins more

than liking vegetables to ease into the vegetable community and kind of enjoy vegetables without having to eat them," said Neville Craw, Arby's executive chef.

The first product will be called the "Marrot," which looks like carrots but is made

of marinated turkey breast. The dish contains Vitamin A, like a real carrot, and 30 grams of animal protein, according to the company.

In more fake meat news, shares of Beyond Meat fell as much as 10% after British competitor, The Meatless

Farm, announced it had secured a deal to sell its burgers at Whole Foods stores in the U.S. The company will also establish an office in New York to manage expansion into the U.S. market.

Beyond Meat is the best-performing U.S. IPO of 2019 so far, having spiked as much as 700% from its offer price. However, the stock has experienced several bouts of volatility in recent weeks, amid reports of increased competition in plant-based protein alternatives.

Major companies such as Tyson Foods and Nestlé have announced similar plant-based protein products, while competitor Impossible Foods had success with Burger King launching the Impossible Whopper across the country.

The impact shows just how sensitive the stock has become to anything that could either boost or diminish demand for plant-based "meat." For example, the company's stock gained when a shortage of Impossible Burgers reportedly hit restaurants like White Castle and Red Robin.



Haying season has started for us. Just like everything else this crazy year it is delayed. I said I was going to be done baling brome by the middle of June, the end of the month at the latest. The reality was that I started baling at the very end of the month and I will be lucky to be done with brome by the middle of July. Once again, nature did not consult with me about my schedule.

The good news is that the brome crop is one of the best, if not the best, we have ever had. So far, all the fields I have put up have had record yields. The downside to all the yield is that it is taking forever to get the hay dry enough to bale. Combine that with being behind schedule and worn-out machinery and I am really feeling the crunch and losing my patience. I must admit that I am not a very patient person and this year has me extra frazzled.

I am not much of a mechanic, in fact, I am a terrible mechanic. That is why generally I like to have everything gone through over the winter by competent, professional mechanics. I am sure there are things I am good at, but I know without a doubt that mechanics is not one of my talents. I always figure that the money I spend on that area allows me to do something else I am good at.

Having said that, I did not get around to taking the baler into the dealership this winter to have it checked out. I am not sure why. I could say it was a lack of time, too many things on my plate but if I was completely honest, I would admit to procrastination. After all, it was working relatively well when I finished last year; it's funny how gremlins get into things during the winter.

I pulled the old baler out of mothballs, greased it, oiled the chains and ran it. Everything seemed okay and I pronounced it good to go. I mowed the ten acres of hay next to the shop and waited for it to dry. I am not completely stupid; I know enough not to put too much down or get too far from home before you know whether things work or not.

The hay mowed well, it raked up in pretty windrows and I was ready to start baling. I pulled into the field with some

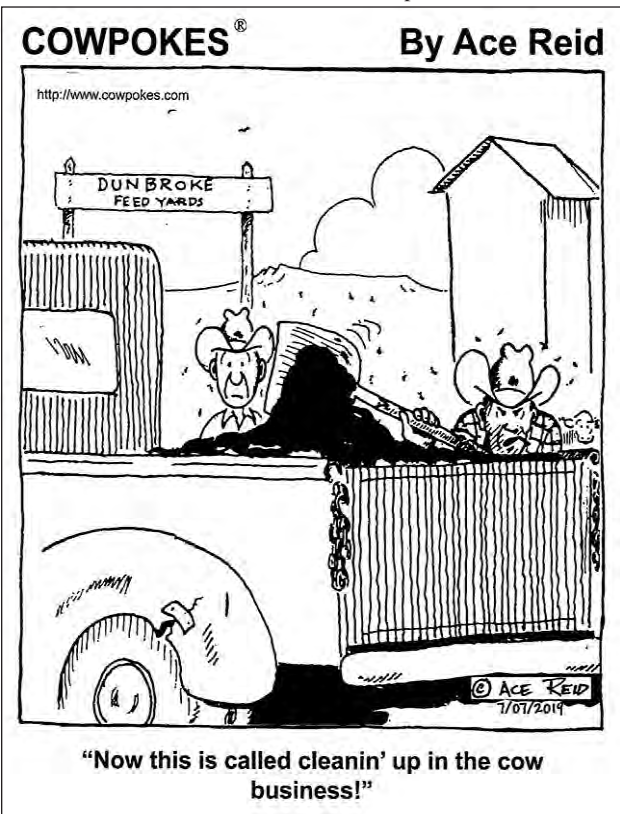
feeling of apprehension. That morning as I was servicing the baler, Dad had mentioned that I really should have taken it in this winter. I told him it was going to be okay, but deep down in my gut I knew I should have taken it in.

I started out and everything seemed to be doing just fine; the first four or five bales came out smoothly. Then it missed a bale, followed by plugging up and another missed bale. I did manage to get a couple more bales out, but they certainly would not be featured in an ad for the baler. I am slow but at that point I decided I needed to make a closer inspection. The problem was a bearing out on the pickup reel.

After a day of delay, the bearing was replaced and I was good to go, or so I thought. With a little more hope I pulled into the field and went about a hundred feet and plugged up again. It was obvious the bearing wasn't the only problem, this time I sought professional help (the mechanical kind, not mental). A slip clutch seemed to be the culprit and soon it was fixed, and I was at it again. During the call, the mechanic mentioned that this was all stuff that would have been caught had I brought the baler in this winter.

This time things went a little more smoothly; I had almost finished the field when a belt broke. Not only did the belt break but it wrapped up around a roller and getting it off was going to be a two-man job. A neighbor graciously agreed to help and during the operation to remove the belt, he mentioned that he takes his baler in for the winter checkup. I started to sense a theme.

Knock on wood, the baler has held together for a longer time now and maybe we have all the bugs worked out of it. The baling isn't going a whole lot easier; the hay is course, long and tough to dry down and this leads to some epic plugs. I will keep muddling along and hopefully the hay will be baled in time to feed it to the cows this winter. Speaking of winter, I guarantee that the baler will be making a road trip to the dealership for a winter makeover. Well, it will unless something comes up and I can't find the time to take it, but hey, it is working fine now.



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785-539-7558
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Managing Editor — Donna Sullivan
gandgeditor@agpress.com

— Advertising Staff —
Steve Reichert, Kurtis Geisler, Shelby Mall
steve@agpress.com, kurtis@agpress.com,
shelby@agpress.com

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The top five in the senior showmanship division at the 2019 Bob Hines Swine Classic include, from left: Alya Arana (Finney County), James DeRouchey (Pottawatomie County), Braden Mai (Russell County), Abi Lillard (Dickinson County) and Zane McDougal (Leavenworth County).

Kansas youth compete in Bob Hines Swine Classic

More than 150 Kansas youth from 45 counties exhibited 317 pigs in the 2019 Bob Hines Swine Classic June 28-29 at Kansas State University.

Youth competed in a skillathon and photography contests, a pork cook-off and showmanship, as well as prospect and market hog classes. Brian Hines of Quincy, Mich., judged the event, which is named after his father, Dr. Bob Hines.

Hayden Englert of Washington County exhibited the grand champion prospect pig, followed by Landon Roberts, Marion County, reserve; Jacob DeRouchey, Pottawatomie County, third, James DeRouchey, Pottawatomie County, fourth; and Tyra Meyer, Lincoln County, fifth.

The champion market pig was awarded to Aubriana Vannocker of Coffey County. Completing the top five market pigs were Kyser Nemecek, Allen County, reserve; Kason Ramsey, Finney County, third, Travis Oliver, Finney County, fourth; and McKinley Sutton, Bourbon County, fifth.

In the senior showmanship division, Alya Arana of Finney County was named grand champion. The rest of that class included

Reserve champion, James DeRouchey, Pottawatomie County

3rd, Braden Mai, Russell County

4th, Abi Lillard, Dickinson County

5th, Zane McDougal, Leavenworth County

In the intermediate division, Jenna DeRouchey of Pottawatomie County was named grand champion showman. The other winners in that class included

Reserve champion, Lane Higbie, Franklin County

3rd, Calla Higbie, Franklin County

4th, Kyser Nemecek, Allen County

5th, Kaden Stroup, Linn County

In the junior division, Anah Higbie, Franklin County, was named grand champion showman. The other winners in that class included:

Reserve champion, Marley Sutton, Bourbon County

3rd, McKinley Sutton, Bourbon County

4th, Tayte Leck, Wilson County

5th, Gentry Ward, Miami County

In the Skillathon contest, the top five seniors included Cord Dodson, Montgomery County, champion; James

DeRouchey, Pottawatomie County, reserve; Brenden Anderson, Montgomery County, third; Abi Lillard, Dickinson County, fourth; and Kolton Hall, Montgomery County, fifth.

The top five intermediate finishers in the Skillathon included Lane Higbie, Franklin County, champion; Jenna DeRouchey, Pottawatomie County, reserve; Kyser Nemecek, Allen County, third; Garrison Moore, Douglas County, fourth; and Lincoln Martin, Ford County, fifth.

In the junior Skillathon, winners included Anah Higbie, Franklin County, champion; Layla Pickering, Dickinson County, reserve; Tayte Leck, Wilson County, third; Harry Langill, Nemaha County, fourth; and Ashton Neill, Atchison County, fifth.

Paige Snyder of Jackson County had the champion people's choice photograph, followed by Ty Jones of Wabaunsee County with reserve.

The champion pork cook-off award went to the Bacon family of Morris County.

The event is hosted by K-State Research and Extension and the Kansas State University Department of Animal Sciences and Industry.



2019-2020 Beef Improvement Federation board of directors are (seated, from left) Tommy Clark, Culpeper, Va., president; Lee Leachman, Fort Collins, Colo., past president; Jane Parish, Mississippi State University, BIF executive director; Bob Weaber, Kansas State University, BIF central region secretary; Darrrh Bullock, University of Kentucky, BIF eastern region secretary; Mark Enns, Colorado State University, BIF western region secretary; Josh White, National Cattlemen's Beef Association; Mark Thallman, U.S. Meat Animal Research Center; (back row, from left) Robert Williams, American Wagyu Association; Lex Carter, Pingree, Idaho; Jack Ward, American Hereford Association; Aaron Arnett, Sexing Technologies; Kajal Devani, Canadian Angus Association; Kevin Schultz, Haviland; Gordon Jones, Lafayette, Tenn.; Matt Perrier, Eureka; Jackie Atkins, American Simmental Association; Lance Bauer, Beefmaster Breeders United; Gordon Hodges, Hamptonville, N.C.; Shane Bedwell, American Hereford Association; Megan Rolf, Kansas State University; John Genho, Woodville, Va.; and Joe Epperly, Albion, Neb. Not pictured are vice president Joe Mushrush, Strong City; Dan Moser, Angus Genetics Inc.; and Stephen Scott, Canadian Beef Breeds Council.

Beef Improvement Federation selects new board, officers

The Beef Improvement Federation (BIF) elected new directors and announced new officers June 20 during the group's annual meeting and symposium in Brookings, South Dakota.

Tommy Clark, Culpeper, Virginia, was introduced as the 2019-2020 BIF president during the Thursday luncheon. Joe Mushrush, Strong City, is the new vice president.

New directors elected to serve on the BIF board were producers Joe Epperly, Albion, Nebraska; and Gordon Hodges, Hamptonville, North Carolina. New association representatives elected were Jackie Atkins, American Simmental Association; and Lance Bauer, Beefmaster Breeders United.

More than 500 beef producers, academia and industry representatives attended the organization's 51st annual convention. BIF's mission is to help improve the industry by promoting greater acceptance

of beef cattle performance evaluation.

For more information about this year's symposium, including additional award winners and coverage of meeting and tours, visit BIFconference.com. For more information about BIF, visit Beefimprovement.org.

The 2020 BIF Convention and Research Symposium will be June 9-12 in Kissimmee, Florida.

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Kansas Family Looks Beyond Traditional Farm Business To Focus On Lettuce, Herbs

By Mary Lou Peter, K-State Research and Extension

OLATHE — Daniel and Carol Buck may be farming in the middle of wheat country, but they're growing crops of a different sort in northwest Kansas. The Bucks grow lettuce and herbs for sale to grocery stores, restaurants, schools, hospitals and individuals in a hydroponic green house on their 4B Farms near Grinnell.

The couple started their produce business in January 2018 and quickly developed a market. Because they're growing in a greenhouse, they're able to grow year round and don't have the problems with wildlife that other growers do. They rely mostly on Facebook and word of mouth for marketing and say they've taken advantage of K-State Research and Extension/ Kansas Department of Agriculture training to learn the ins and outs of Food Safety Modernization Act (FSMA) produce safety rule requirements. They've also participated in a Good Agricultural Practices workshop to help them prepare for GAPs audits by the U.S. Department of Agriculture.

"The food safety challenges in California and Arizona actually benefited us," Daniel Buck said of nationwide recalls of romaine lettuce linked to E. coli illnesses in the past couple of years. The Bucks were able to keep selling romaine because they had documented their food safety practices and could demonstrate that their romaine was not tainted. That was especial-

ly important earlier this year during a recall. The couple had just added a big customer – the Hays Medical Center, a part of the University of Kansas Health System. "We were the only supplier of romaine that could continue to sell (during the recall) to one of their hospitals."

"With just Carol and I handling (their lettuce and herbs), it minimizes the chances of food safety problems," Daniel Buck said.

Participating in K-State Research and Extension/ Kansas Department of Agriculture workshops has helped keep basic food safety practices in the forefront of the couple's business, they said, adding that many of those practices are common sense. One of the important things they've changed, however, since working with Extension Produce Safety Associate Cal Jamerson, is to stop wearing gloves as they harvest lettuce and herbs. Going without gloves is allowed in the FSMA guidelines.

"You can feel when your hands are dirty, but you can't feel if your gloves are dirty," Carol Buck said. In one circumstance, a customer requires gloves and

when handling that customer's produce, they comply with the buyer's wishes. Otherwise, they harvest without them.

"We have picked Cal's brain numerous times. He's a lifesaver," Carol Buck said.

Jamerson's position with K-State Research and Extension is funded by the KDA to assist Kansas fruit and vegetable growers in improving the safety of their produce to meet the FSMA Produce Safety Rule requirements.

K-State is hosting another round of produce food safety trainings this summer and fall, including FSMA Produce Safety Rule Grower Training:

July 11 – Manhattan; Aug. 2 – Olathe; Aug. 26 – Bonner Springs; Sept. 6 – Bird City; Oct. 3 – Dodge City; Nov. 8 – Parsons; Nov. 15 – Wichita.

Workshops on Writing a (GAPS) Food Safety Plan are planned for:

July 12 – Manhattan; July 16 – Olathe; Oct. 4 – Dodge City.

More information about the FSMA and GAP workshops, plus online registration is available at <https://bit.ly/2FFKDsM> or contact Jamerson at 913-307-7394 or agri@ksu.edu



Mark Your Calendars For Strawberry Pie

By Megan Dougherty

The annual pie baking contest at the Riley County Fair will be held Sunday, July 28. This year the featured ingredient is strawberries. The contest will be at 1:00 p.m. in Pottorff Hall and all pies must be checked in, with a recipe, by 1:15 p.m.

There are two divisions: Traditional - ONLY strawberry or Mixed - strawberry and other. Please bring your best pie in a disposable pie pan as pie plans will not be returned.

The pies cannot contain any raw/uncooked eggs; pies must be safe to consume at room temperature based on food safety guidelines. Judges will be looking for presentation, crust, texture and flavor.

The winners will be announced immediately after the judging has taken place. Besides the glory of having the best homemade pie in Riley County, the winners will receive a prize from Eastside and Westside Market.

Dig up your famous strawberry pie recipe and start practicing!

Hope to see you and your pies at the 2019 Riley County Fair.

Following the judging, pies will be sold by the slice to the public with proceeds going to Riley County 4-H. If you would like to bake a pie and not have it judged, it will be accepted and will be sold to raise money for local 4-H.



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Friends Are The Difference

By Lou Ann Thomas

My friends are like helium for my soul. When I am feeling low and discouraged they remind me of what's good and right and rich in our human connections. Many of my old friends are scattered across the country so we rarely get to see each. But recently I have been blessed with time to reconnect with several of the old gang.

These particular friendships were established when we were in our 20's so they've lasted a few years – five or six at least (in dog years). Having known each other for so long and to have witnessed our awkward move from youth into adulthood, we have history. We know each other. We know when we've made stupid decisions and unfortunate mistakes and we've been there to offer support, guidance, and suggestions for course direction when needed.

You know you have a solid and good friendship with someone when you don't see them for years, but within minutes of reuniting the time between visits fades away and your

friendship steps forward unchanged except for an increased glow of gratitude for each other. The conversation easily veers from past to present and soon you are 23 again laughing at each other's follies and celebrating achievements.

My friends fill the gaps created by not having any family of origin around. They are the ones I call when I need help, a compassionate ear or someone to join me in laughing at my latest faux pas.


Unlike family, friends are chosen. Of all the people who cross our path, some are drawn in and become close members of

this chosen family. And some of those who accept and return that closeness remain so throughout life. Despite all the changes in location, life status, health or any of the hills and valleys we all navigate some friends solidly remain. It matters not how far apart we live or how different our lives have become. In one open conversation we are pulled in close again and know that the connection between remains real and true.

I am blessed with so many good people in my life, so many good friends. I don't get to see them nearly enough, but when we do get to be together with time to unwind, rambling conversation it's like a cool breeze on a hot summer day. It refreshes me and helps me remember that living well it isn't about accumulating things or money, but rather a life well lived is measured in the deep human connections we create along the way.


There is blood family and there is heart family. My heart family makes the difference between a lonely life and lively one.

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Large-scale farm blends work, family and faith

By Lucas Shivers

Editor's note: This week concludes our special wheat harvest feature. We would like to thank its sponsors: Countryside Feed LLC, Kansas Wheat, Herrs Machine, FCS Manufacturing and Carrico Implement.

In a long chain of farmers dating back generations, Lawrence and Katherine Simon's extended family farm covers nearly 8,000 acres outside of Quinter in Graham, Sheridan

and Trego counties.

"With 6,000 in crops and 2,000 in pastures, there's always plenty of work," said grandson, Josh Simon, who lives in Manhattan but frequently drives more than three hours home to help on the farm for wheat harvest traditions.

"We're all excited to get into the wheat fields, but we're sure joyful to get the last acre cut," Lawrence said. "There's going to be a lot of good wheat



Josh and Kayla Simon help with family wheat harvest near Quinter, with the full extended family. This is their daughter Eloise Mae's first harvest.

this year. Several combines will be running by the middle of the week."

Lawrence and Katherine raised five kids in western Kansas. The oldest son, Gary and his wife Jackie have four kids; Brad and his wife Sarah; Doug and his wife Carmen have three kids, Cheri and her husband Craig have three kids, and finally Les and his wife Jenna have four kids.

Along with two of their sons, Brad and Les, Lawrence farms full-time with an expansion of acres over the years.

"Family is the best help you can get. They know what you want," Lawrence said. "You can really cut them loose. They all grew up driving a combine and know how to get jobs done well."

Wheat harvest each summer brings other family members back to the farm.

"Josh is the main one to come back," Lawrence said. "He's got combining in his blood. Others are more obligated. Many more would be here if they could."

Harvest Memories

Generations of the Simon family reflect on stories of Grandpa Lawrence during harvest time.

"I remember grandpa was always doing the dirty work," Doug's son, Josh, said. "He'd do everything like take parts off and get covered in dirt. One specific time, he took off the shield of the auger and got covered in dust from head to toe."

Josh also remembers being amazed at how Lawrence could tolerate the deafening noises of the motors.

"He'd stand next to the cab on the rack of the combine to listen to the motor, but it was always way too loud to believe he could stay out there," Josh said. "He was always out there. He's been doing it for a long time."

Lawrence's reputation for a solid work ethic only escalated during harvest, and he still continues year after year.

"There's often times when I have to figure out how to wake him up in the truck cab when it was full of wheat to take to town," Josh said. "I think he wakes up only to take a nap! After cutting all day, we'll be back at the house late around 1 a.m. and then he'll get up around 6 again. When I get up around 7:30, he's taking his first nap in the recliner."

A memory of Grandma Katherine has to be her legendary cooking.

"Her ability to whip up a full meal is incredible," he said. "She's been a stay-at-home mom and wife her

whole married life. She has seemingly perfected the art of cooking. No one ever goes hungry, no matter the time of day and her food is always delicious. I think she likes to be humble and nitpick something that kept the meal from being perfect. Her food is one of my favorite parts of going back for harvest."

Josh also recalls her letting the kids mow the lawn with a riding mower. They feed the calves in the mornings, and she'd play with all of the grandkids as we "farmed" the house with little farm toys.

Wheat Harvest Family Operations

With a large scale operation of more than 1,500 acres of wheat, Josh typically returns home to Quinter from Manhattan each year to drive one of the three combines.

"We run Cases. We have a 2188, 2388 and 7088," Josh said. "Anyone else in the family who is available will also drive combines. It switches out each year depending on schedules and life. We also run three semis to elevators in Quinter, Morland or Studley."

Predicting 45-50 bushels to the acre this year, Simon said the full heads resulted from well-timed rains.

"The wheat is looking pretty solid, other than being a little short due to the cool spring," Josh said. "It's got a lot of promise. Rains hit about perfect for us. It's been more of a challenge to get fall crops planted. A lot of nights called for a 0% chance of rain, but we'd end up with half an inch or more. It's been hard to predict."

The Simons usually need seven to ten good days of co-operating weather to complete wheat harvest with no breakdowns.

Quinter Homestead

On the home place, Lawrence and Katherine frequently gather with their family. They have several grain bins, an older barn and corrals for hundreds of head of cattle.

"There are plenty of trees around the house, but it's really in the middle of nowhere just northeast of Quinter about 15 miles out," Josh said. "Other than wheat for our cropland, we mostly plant sorghum and corn. We have some irrigated acres with several circles and one subterranean field."

Les and Jenna live across the road from the farmstead with a shed for combines. Brad and Sarah built a home eight miles away with newer sheds for most of the larger machinery.

Looking down the road, the family is still determining the succession plans.

"We're still determining next steps of the farm," said Josh. "It's hard with big decisions. With input costs increasing so much, we don't know if we can stay afloat in farming with the future. It'll be interesting to see where we are in twenty years."

Down the Family Line

Josh's branch of the family started in the panhandle of Oklahoma where his father Doug worked as crop consultant and his mother Carmen stayed home with three kids. She also worked at a law firm before eventually becoming a math teacher.

"We lived there until summer of 2002 and moved north back to Kansas to be around family," Josh said. "We lived near my grandparents out in the county until we found a place in Quinter. I did sports in high school and finished in 2009."

Josh studied at Northwest Tech in Goodland in a program focused on telecommunications and networking.

"At first after tech school, I worked in agronomy at the local elevator and IT for school district for a while," Josh said. "Then I headed east to land a job at Manhattan Christian College (MCC) as director of IT and then to K-State as an IT specialist."

Due to the devastating fire at Hale Library last year where Josh's office was located on

• Cont. on page 7

2019 Nemaha County Free Fair

July 26 - 29

Nemaha County Fairgrounds - Seneca, Kansas

Schedule of Events

THURSDAY, JULY 25th

6:00 PM - Horse Show at Horse Arena

FRIDAY, JULY 26th

7:30 - 10:00 AM - All 4-H / FFA / Open Class Exhibits Entered

9:00 AM - Food Judging Begins

10:00 AM - All 4-H / FFA / Open Class Exhibits **MUST** be checked in and judging begins

11:00 AM - Open Class Exhibits Judged

11:00 AM - Woodworking, Electric, Metals Judged

12:00 PM - Clobberbush Consultation

12:00 PM - Sale of Food Exhibits

1:00 - 9:00 PM - Micro-rally Stock Car Racing at Fairgrounds

2:00 - 4:30 PM - Bucket Golf Consultation Judging

5:00 - 9:00 PM - Inflatables at Fairgrounds

8:00 PM - Pork BBQ at Livestock Arena by Nemaha County Pork Producers

Decorated Cake & Bread Baskets Sale at Livestock Show Arena

8:30 PM - 4-H & FFA Hog Show

SATURDAY, JULY 27th

8:00 AM - Community building Open

8:00 AM - 4-H & FFA Sheep Show followed by Meal Goats

9:00 AM - Rattles & Pinballs Judged in North Barn

10:00 AM - "Pie Baking Contest" Begins

11:00 AM - 4-H Super Golf Show

12:30 PM - 4-H and FFA Dairy Show followed by Open Class Dairy Show and 4-H Dairy Goat Show

1:00 - 9:00 PM - Micro-rally Stock Car Racing at Fairgrounds

4:00 - 9:00 PM - Food Trucks at Fairgrounds

5:00 - 10:00 PM - Inflatables at Fairgrounds

6:00 PM - Nemaha County 4-H Council BBQ at Livestock Arena

6:30 PM - 4-H and FFA Beef Show followed by Open Class Beef Show

8:30 - 9:30 PM - Root Beer Floats sold by 4-H Ambassadors

7:00 PM - Team Penning at Horse Arena

SUNDAY, JULY 28th

10:00 AM - Community Building Open

11:00 - 9:00 PM - Food Trucks at Fairgrounds

12:30 PM - Pioneer BMX Freestyle Stunt Show at Fairgrounds

1:00 PM - Public 4-H Style Revue - Community Building

3:00 PM - Barnyard Olympics Games at Fairgrounds

4:00 PM - Pioneer BMX Freestyle Stunt Show at Fairgrounds

5:00 - 9:00 PM - Inflatables at Fairgrounds

6:30 PM - Parade - Theme: "Bears, Bunnies & Bantams or 4-H Fun"

7:45 PM - Topoka Drum Line Performance at Fairgrounds

8:00 PM - Mutton Butlin at Horse Arena

MONDAY, JULY 29th

9:00 AM - 4-H Hand Pet Show in Community Building

10:00 AM - 4-H Livestock Judging Contest in Show Arena

1:00 PM - 4-H and Open Class Exhibits remained

All Livestock not going through premium auction released

2:00 PM - Round Robin Showmanship Contest in Show Arena

5:15 PM - Family BBQ by Prairie Hills Alumni at Show Arena

7:00 PM - Auction of Commissioner's Cattle Jars

Presentation of Livestock Judging and Round Robin Awards

4-H & FFA Premium Auction

Meals

FRIDAY - 9:30 AM - 9:30 PM 4-H Council Food Stand at Community Building

8:00 PM - Nemaha County Pork Producers BBQ at Show Arena

SATURDAY - 9:30 AM - 9:30 PM 4-H Council Food Stand at Community Building

4:00 - 9:00 PM - Food Trucks at Fairgrounds

8:00 PM - 4-H Council BBQ at Show Arena

9:30 PM - Ambassador Root Beer Floats at Show Arena

SUNDAY - 10:00 AM - 10:00 PM 4-H Council Food Stand at Community Building

11:00 AM - 9:00 PM - Food Trucks at Fairgrounds

MONDAY - 9:30 AM - 1:00 PM - 4-H Council Food Stand at Community Building

5:15 PM - Prairie Hills FFA Alumni BBQ at Show Arena

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Most of the excursion trains operate using the 1945 ALCO S-1 (former Hutchinson & Northern Railroad), with its 660-horse power diesel-electric engine that was originally designed for WWII submarines. The normal Abilene & Smoky Valley excursion train includes a 1902 wooden KATY passenger car that has been converted to a dining car, two open-air gondola cars

with canopy tops, and a former Union Pacific caboose. The train departs Abilene eastbound for a 10½ mile round trip through the Smoky Hill River Valley to the neighboring community of Enterprise. They also offer school field trips, dinner trains, private charters, and Silver Flyer Rail Bus trips.

The recently restored former ATSF 4-6-2 “Pacific” #3415 steam locomotive will operate once again this season on a limited schedule. This engine sat in Eisenhower Park in Abilene for over 40 years, having been retired by the Santa Fe Railroad in the 1950s. The City of Abilene donated the 3415 to the Abilene & Smoky Valley Railroad. It took over four years to restore the locomotive to operating condition with about 12,000 volunteer hours and the help of two grants.

National Day of the Cowboy celebration to be held July 27

Join the Flint Hills Discovery Center (FHDC) on Saturday, July 27 from 10:00 a.m.-5:00 p.m. for National Day of the Cowboy. Wrangle up the family for a day filled with activities embracing the spirit of the Wild West!

Celebrate the history and culture of the American West. Learn more about the people who played a role in shaping Kansas history. Experience a variety of hands-on learning activities as guests are invited to brush up on their skills of

roping, branding, bison chip tossing, sling shooting, ropemaking and more. Check out the cowboy tools of the trade such as saddles, blankets, chaps, gloves, spurs, hats and ropes. Wagon rides will be available between 11:00 a.m.-2:00 p.m.

Regular admission rates apply. Tickets can be purchased at the door. Admission is \$9 for adults (18-64 years old), \$7 for military, students, educators, or seniors (65+ years old), \$4 for youth (2-17 years old), free for children under two years old. FHDC members are always free and

we honor ASTC reciprocal benefits.

During National Day of the Cowboy, guests will also receive admission to the exhibitions inside the FHDC. This includes our newest exhibits, Dream with Da Vinci created by the Curious Kids’ Museum and Food First created by AIB International!

To learn more about National Day of the Cowboy at the Flint Hills Discovery Center, visit www.flinthillsdiscovery.org/cowboy, call 785-587-2726 or visit 315 S. 3rd St. in Manhattan.

Large-scale farm blends work and family

• *Cont. from page 6*

campus, he is currently based in the K-State Union.

“They’re determined to have Hale done by Spring 2022,” said Josh. “We’ll be one of the last ones who will move in. It’s a ‘temporary permanent’ office for several years. But, they’re making good progress on the construction, so we’re hopeful they’ll stick on their timeline.”

While working at MCC a few years ago, Josh met one of his brother’s friends, Kayla, from Montana.

“When Kayla came back from missions work in Ethiopia, her computer didn’t work,” Josh said. “It’s a classic IT story: a guy works on a girl’s computer, and then he marries her. She came over to our house for game nights and watched the Royals run for the World Series. We talked quite a bit from there, and I decided I liked her. The feeling was mutual.”

Josh and Kayla were married in Dec. 2015. Kayla teaches fifth grade at Ogden Elementary. They started their own family when Eloise Mae was born on Nov. 5, 2018.

“She’ll be out for her first harvest this year,” Josh said. “We’ll see how many of these she gets to do.”

Josh’s brother Joe and his wife Jamie live in Phoenix and expect their first child in August. His sister Katherine and her husband Micheal live in Manhattan, and they were married in January.

“We are fortunate our family loves the Lord,” Lawrence said. “That’s the best thing. If you don’t have some faith, you shouldn’t be a farmer! You’ve got to have faith.”



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Grass & Grain, July 9, 2019

THE WAY WEST

By Jim Gray

Reckoning at Summit Springs

As if settlers in Lincoln County had not endured enough from Cheyenne raids across north central Kansas in 1868, terror returned to the Saline River valley on May 30, 1869. The Dog Soldiers, a warrior society made up of Cheyenne, Sioux, and Arapaho families, maintained that

the settlements were an invasion of their traditional lands. Others had moved to reservations ceding their rights to the Kansas prairies. The Dog Soldiers, under the leadership of Tall Bull, saw themselves as the last defenders of the culture that had been passed down from their ancestors.

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Ken Rahjes, Host

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The Dog Soldiers descended from the west along Spillman Creek, killing and plundering as they went. Eskild Lauritzen and his wife Stine, a German couple living along the Spillman, were surprised and killed. Maria Weichel was taken captive after her husband and a friend were killed in a running fight. Farther downstream Susannah Alderdice watched in horror as her three sons were killed. She was taken captive along with her baby daughter, Alice. Two miles away teenager John Strange was killed and his friend Arthur Smutz was mortally wounded the same bloody day.

Susannah's husband, Tom Alderdice, was away in Junction City at the time of the attack. On his return he set out alone to track the raiders to their main village. Alderdice had tracked Dog Soldiers before. He had fought the Cheyenne the previous September in northeast Colorado at Beecher's Island. After finding the village he traveled to Fort Leavenworth, giving the location of the village to General John Schofield.

Meanwhile, Major Eugene Carr's 5th Cavalry, led by

the famed scout Buffalo Bill Cody, scoured north central Kansas in search of the Dog Soldier village. Major Frank North's Pawnee Scouts, mortal enemies of the Dog Soldiers, supported Carr's command.

June 28th was the turning point for Carr's scouting foray. A trail of lodge poles perhaps a week old was discovered. The village was on the move. On June 29th supply wagons from Fort McPherson reached Carr and his troops with a telegram from General Schofield. The telegram, with the Alderdice information confirmed that Carr was chasing the same Indians that had committed the depredations in the Saline River valley. For the first time, Carr learned that the Dog Soldiers held two captive women.

Continuing west, Carr's expedition camped very near the site of the Beecher Island fight of nearly a year before. He then turned north to Frenchman Creek near present-day Holyoke, Colorado. There, an abandoned village was discovered.

The command continued closing in. Sunday morning, July 11th, they knew they were very close. With scouts searching in every direction

the village was soon located at a place called Summit Springs. Although within two miles of the village, the Dog Soldiers were still unaware of Carr's presence. At two o'clock on a hot, windy afternoon the charge was sounded. No one in the village heard a sound over the wail of the wind. Death was at hand. The reckoning had begun.

A young brave of perhaps 15 years of age, herding horses on the prairie, was the first to recognize the attack. He quickly mounted the best horse in the herd to move the horses toward the camp. According to Luther North, brother of the commander to the Pawnee Scouts, "He was mounted on a very good horse and could easily have gotten away if he had left the herd, but he took them all in ahead of him, then at the edge of the village he turned, joined a band of warriors that were trying to hold us back, while the women and children were getting away, and there he died like a warrior. No braver man ever lived than that fifteen-year-old boy."

The battle lasted about 20 minutes as warriors fired from the canyons of the chalk bluff to the east. Drawing fire, war-

riors fought valiantly while their women and children escaped to the prairie. Tall Bull was shot from his horse as he openly directed a defense of his village. When the fight was over Susanna was found dead. Killed, it is said, by Tall Bull's wife. She was buried at the site in a grave that has yet to be relocated. Maria was shot through the breast but was saved by the company surgeon.

The battle at Summit Springs broke the resistance of the Dog Soldier Society. Their great leader Tall Bull was dead, and their people scattered to the wind. What had been would be no more.

In Lincoln County a monument was erected on the courthouse square in 1909. With names inscribed its final declaration reminds the onlooker to "Remember the days of old." And so we do, on The Way West.

"The Cowboy," Jim Gray is author of the book Desperate Seed: Ellsworth Kansas on the Violent Frontier, Ellsworth, KS. Contact Kansas Cowboy, 220 21st RD Geneseo, KS. Phone 785-531-2058 or kansascowboy@kans.com.

Corn, soybean can be good cover crops on prevented planting acres in 2019

Rain and flooding prevented many farmers from planting corn and soybean this year. Now they want to protect these unplanted fields by seeding a cover crop.

Cover crops do just that: The plants cover the ground, and their roots stabilize the soil. Cover crops provide a simple and natural way to reduce soil erosion, maintain soil health, suppress weeds and protect water quality, said

Rob Kallenbach, University of Missouri agronomist and interim associate dean for agriculture and environment Extension.

The large number of "prevented planting" acres this year means that seeds for many common cover crops are in short supply, Kallenbach said. That situation prompted MU Extension agronomists to take a close look at the data on several cover crops.

In a June 28, 2019, letter to Missouri farmers, Kallenbach reports that the agronomists "concluded that corn, soybean and grain sorghum – in addition to several other plant species – can be used appropriately as cover crops

to meet the soil conservation needs present in 2019."

The issue is important to farmers with prevented planting coverage through the USDA's federal crop insurance program. Farmers must follow USDA Risk Management Agency (RMA) provisions regarding cover crops to remain eligible for prevented planting payments.

RMA has posted updated provisions on cover crops and prevented planting insurance at rma.usda.gov/en/Fact-Sheets/National-Fact-Sheets/Prevented-Planting-Insurance-Provisions-Flood.

Kallenbach highlights some of the key provisions for 2019: Cover crops may not

be planted until after the late planting period; no grain or seed may be harvested from the cover crop; and farmers must wait until Sept. 1 to hay, graze or cut a cover crop for silage (this earlier date is for 2019 only).

"Check with RMA or your crop insurance agent before planting or harvesting cover crops," Kallenbach said. Farmers enrolled in cover crop incentive programs with the Natural Resources Conservation Service need to follow the separate rules provided by that agency.

Contact your local Extension center to find out more.

Kansans named to U.S. Agricultural Trade Advisory Committees

Kansas Secretary of Agriculture Mike Beam congratulated two Kansans recently appointed by U.S. Department of Agriculture Secretary Sonny Perdue to serve on two of six commodity specific Agricultural Technical Advisory Committees (ATACs). The ATACs offer technical advice and information about specific commodities and products.

Thad Geiger, Troy, was appointed to the Agricultural Technical Advisory Committee for Trade in Animals and Animal Products. Ron Suppes, Dighton, has been named to the Agricultural Technical Advisory Committee for Trade in Grains, Feed, Oilseeds, and Planting Seeds.

"These outstanding Kansans bring a wealth of production agriculture knowledge and international experience to these USDA committees. By providing insight and practical application into discussions to help advance opportunities to expand trade of agricultural goods, these Kansas leaders will be an asset," said Beam. "Not only will they represent our state's agricultural industry well through their service to these committees, their contributions will help drive the entire agriculture sector forward."

In 2018, over \$3.8 billion dollars of Kansas' agricultural goods were shipped around the globe to 74 different countries.

Congress established the advisory committee system in 1974 to ensure a private-sector voice in establishing U.S. agricultural trade policy objectives to reflect U.S. commercial and economic interests. The USDA and the Office of the U.S. Trade Representative jointly manage the committees.

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Red, White, & Blue Night
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Hitting back at sericea

By David G. Hallauer, Meadowlark District Extension agent, crops & soils/horticulture

There are many characteristics of sericea lespedeza that allow it to thrive in grasslands. It's ability to produce a tremendous amount of seed – and for that seed to lay dormant for a time before sprouting – has resulted in large seed banks that will persist for years to come. There are no known biological controls to keep it at bay. Herbicide programs can be successful, but will need to be repeated. It's no wonder it's one of our most troublesome noxious weeds. Here are some management tips from KSU rangeland management specialist Dr. Walt Fick.

Identification is a key first step in a control program. Sericea is a perennial legume with trifoliate leaves. These leaves are club or wedge shaped, lining a stem (vegetative now, more woody later...) that is typically about three feet tall – or taller. Blooming starts in August with white to cream colored flowers exhibiting a purple 'throat.' Seed will be produced in September.

Mechanical control options can be successful in combination with chemical control efforts. Grazing with goats (four to five goats per acre of sericea) can help reduce seed production. Frequent mowing in mid-late July is an option, as long as it doesn't damage desirable plants. Herbicide application four to six weeks later help in increasing control.

Work using prescribed burning has shown it can be a remedy. Spring burns increase seed germination, requiring in-season herbicide applications to reduce sericea levels. Fall burns (August/early September) have been found to nearly eliminate seed production.

Herbicide programs also provide good results. Early season applications on vegetative stage sericea with triclopyr containing products (PastureGard HL/Remedy) work well. Products containing metsulfuron are more effective in late summer when sericea is actively blooming. Broadcast or spot applications are both effective when applied according to label directions.

For further information on product names/rates/etc..., request or pick up a copy of the 2019 KSU Chemical Weed Control Guide available from your local Extension Office.

Groups sue to force federal protections for prairie chickens

(AP) - Three conservation groups are suing the federal government to force it to protect the lesser prairie chicken and its habitats.

The lawsuit was filed recently in U.S. District Court in the District of Columbia by the Defenders of Wildlife, the Center for Biological Diversity and WildEarth Guardians.

The lawsuit alleges that the U.S. Interior Department's Fish and Wildlife Service has not done enough to protect the bird. The

groups want the agency to determine whether the lesser prairie chicken is a threatened or endangered species.

The Interior Department said it cannot comment on pending litigation. The bird was listed as threatened in 2014 but a federal court overturned the designation.

The bird roams parts of Kansas, Oklahoma, Texas, New Mexico and Colorado, but the groups said fewer than 38,000 remain.

Are forage tests important?

By Wendie Powell, Livestock Production Agent, Wildcat Extension District

For nearly four decades, scientists have been refining the ability to test forages for quality. This research is being done in an effort to improve animal nutrition and, consequently, animal production. In the past, analytical procedures required a week or more to complete. They can now be done in less than ten minutes, with greater accuracy than before.

As procedures for analyzing forages have improved, knowledge of how to use test results to increase animal efficiency and performance has also improved. Despite these advancements, there are still livestock producers out there that do not recognize forage quality testing as a valuable management tool.

Greater net profit is the

primary reason livestock producers need to know the quality of forages they are feeding. Not knowing the forage's exact quality acts as a two-edged sword that can cut into profits either way it swings.

Dairy producers who estimate the crude protein (CP) content of their haylage to be just 2 percent lower than it actually is, and the crude protein content of their corn silage to be just 1 percent lower than it actually is, end up feeding more supplemental protein in their ration than necessary. This extra crude protein in the ration will add \$0.09 per cow per day in feed costs. For a herd of 100 cows, this is equivalent to \$9.00 per day. It would take just a little over three days of not knowing the quality of the forages and feeding extra protein, as in this example, to pay for the

cost of quality analyses.

The other edge of this two-edged sword cuts into profits when forage quality is overestimated. Unfortunately, the animals are being "short-changed" of crude protein, and this can lower milk production, especially in early lactation.

Guessing at fiber and mineral content also will have an enormous economic impact. For example, the neutral detergent fiber or NDF content of a forage helps determine how much of the forage an animal will consume. Estimating the NDF too high or too low can adversely affect intake, animal performance and health. Knowing the actual NDF content not only saves or makes more money, it also allows managers to provide better animal nutrition. Better nutrition results in greater production and improved efficiency.

Knowing the quality of the forages you're selling or buying is economically wise as well. This fact is confirmed at some New England hay auctions. Hay quality is analyzed and the results posted on each load of hay before the auction. At selling, each percent increase in the crude protein resulted in a selling price of \$8 more per ton. Selling ten tons of an estimated 18 percent CP, when the hay is actually 20 percent CP, will cost the seller about \$160.

Remember, the results will only be as good as the sample taken. Follow the appropriate steps to collect a representative sample for an accurate analysis.

For more information on forage analysis, give me a call at the Wildcat Extension District, 620-784-5337.

Kansas NRCS announces funding to plant cover crops on flooded cropland acreage

USDA's Natural Resources Conservation Service (NRCS) is offering a special Environmental Quality Incentives Program (EQIP) sign-up for farmers in Governor-declared counties in Kansas who could not plant their crops because of flooded or wet fields. This sign-up provides technical and financial assistance to help farmers plant cover crops, an alternative to letting fields go fallow and uncovered. The deadline to apply is July 26, 2019.

Excessive moisture and flooding in 2019 have prevented or delayed planting on many farms across the country. Many producers are unable to plant crops by a final planting

date or have experienced significant delays in planting.

Fields that are saturated for an extended period can lose important soil organisms. Cover crop roots add organic matter and create pathways for air and water to move through the soil, which is key to restoring its health.

"Cover crops help farmers

to manage soil erosion, weeds, and pests and to improve soil health," said Karen A. Wodrich, NRCS state conserva-

tionist in Kansas. "They can also help your soil health recover after a flood or a long period of remaining wet."

To apply for this special EQIP funding, contact your local NRCS office.

MKC makes available Land O'Lakes Cooperative Farmer Member Health Plan

In response to the growing demand for more affordable and extensive healthcare options, through a partnership with Land O'Lakes, Inc., MKC is proud to offer the Land O'Lakes Cooperative Farmer Member Health Plan to its producer members in Kansas.

The Land O'Lakes Cooperative Farmer Member Health Plan, administered by Gravie Administrative Services LLC, a Minneapolis-based benefits marketplace, allows producers to choose from several ACA-compliant plans — all of which cover each of the ten Essential Health Benefits (EHBs). It also gives them access to a broad, national provider network and year-round guidance from licensed advisors.

"MKC recognizes that access to quality, affordable health care is a major concern for our member-owners," said Dave Christiansen, MKC president and CEO. "Connecting farmers to this health care option for their family and employees allows us to deliver more value to their operation in the form of an affordable and improved health care coverage."

Land O'Lakes first launched the Land O'Lakes Cooperative Farmer Member Health Plan in Minnesota in 2018. The company then expanded the plan to Nebraska in 2019, making it available to approximately 46,000 eligible producers across the two states. It intends to continue to grow this solution for its member producers and farmers within its cooperative system.

"I am proud of the instrumental role MKC played in bringing this opportunity to the farmer members of Kansas cooperatives as recognized by Land O'Lakes," Christiansen said. "In true cooperative fashion, this is just another example of the important work we

can accomplish when working together."

The requirements for participation in the Land O'Lakes Cooperative Farmer Member Health Plan include residing in Kansas and being an eligible voting member of MKC.

For coverage starting January 1, 2020, the Open Enrollment period is from October 28, 2019, through December 20, 2019, at 5 p.m. Central time.

Producers can call Gravie at 844-538-4690 or visit gravie.com/coop to learn more.

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River Valley District to host Youth Drone Day Camps

The River Valley District, in conjunction with the Dane G. Hansen Foundation, will be conducting two Drone Day Camps for youth on Thursday, July 18 at the Cloud County Fairgrounds in Concordia.

The workshops will be age appropriate with the morning workshop being for youth ages 11 through eighth grade. This workshop will be from 10:00 a.m. to 11:30 a.m. The afternoon workshop will be for youth who are incoming freshman in high school through age 18. The afternoon workshop will be more in-

ASA, Corteva Agriscience seek Young Leader applicants

The American Soybean Association (ASA) and Corteva Agriscience are seeking applicants for the 2019-20 Young Leader Program.

The Young Leader Program, sponsored by Corteva Agriscience and ASA, is a two-phase educational program for actively farming individuals and couples who are passionate about the future possibilities of agriculture. The women and men who participate in this program are the

leaders who shape the future of agriculture.

"The training and interaction with fellow growers and ASA leaders this past year has been an invaluable asset to me personally, and a source of new ideas and avenues for my family farm," Stuart Sanderson, Class of 2019 said.

Phase I of the 2019-20 Young Leader program takes place in Indianapolis, Indiana Dec. 3-6, 2019. The program continues Feb. 25-29, 2020

depth and will run from 1:00 p.m. to 4:00 p.m.

Youth will learn about: drone safety rules, FAA rules for flying drones, and coding for drones. The day will also include some hands-on time working with and flying drones.

There is no cost to attend, but registration is required as space is limited. We must have at least five participants to host a session and the Day Camp size is limited to 16 per session. The registration deadline is Monday, July 15. To reserve your spot, please call the River Valley District Extension office in Belleville at

Leader program is special because it focuses on building the grower's potential, while helping create meaningful and lifelong relationships with growers from across the U.S. and Canada."

Soybean grower couples and individuals are encouraged to apply for the program, which focuses on leadership and communication, the latest agricultural information and the development of a strong peer network. Spouses, even

(785) 527-5084. Information due at registration includes: participant's name, age, grade, cell phone number, and parent/guardian cell phone number.

Snacks and drinks will be provided. For more information or questions please contact River Valley District Director John Forshee at (785) 632-5335 or River Valley District 4-H Agent Jordan Schuette at (785) 527-5084.

The Drone Day Camps are being funded through the Dane G. Hansen Foundation.

those not employed full-time on farm, are encouraged to attend and will be active participants in all elements of the program.

ASA, its 26 state affiliates, the Grain Farmers of Ontario and Corteva Agriscience will work together to identify the top producers to represent their state as part of this program.

"The young leader program cultivates agriculture advocates and has played a

pivotal role in developing the next generation of engaged grower leaders for over three decades. Corteva Agriscience is proud of our longstanding collaboration with the American Soybean Association and is proud to support the young leader program," said Matt Rekeeweg, U.S. Industry Affairs Leader.

Interested applicants should visit soygrowers.com for additional program information and to apply.

Ethanol outlook weak amid sluggish demand

Operating margins for ethanol producers will likely remain weak for the remainder of 2019 under the weight of abundant production. Declining corn production this year will also squeeze margins and some ethanol plants will be forced to shut down or idle their production due to high corn prices or insufficient supplies.

According to a new report from CoBank's Knowledge Exchange Division, exports remain one area of optimism for ethanol producers, but that optimism is based on China's plans to convert to E10 blend gasoline nationally by the end of 2020. In the meantime, domestic U.S. ethanol demand will likely be flat over the next two years.

"For margins to go up, supply will need to go down," said Will Secor, economist, grain and farm supply, for CoBank. "This will be a painful process for some higher-cost producers as they look to reduce production or exit the industry. Consolidation and a slow grind to higher margins will be themes in the coming years as the industry works through changes to absorb excess production capacity."

Ethanol plants had expanded capacity after several years of positive margins. However, margins began sliding in the summer of 2018 and plants have struggled to remain profitable

since then. With stocks expected to remain above 900 million gallons through the remainder of 2019, margins are expected remain low.

One potential growth area is E15, as this fuel blend containing 15% ethanol can now be sold year-round. Some retailers will need to invest in additional infrastructure to support E15 sales and will have to weigh the costs of new pumps, tanks or other equipment against the potential profits from offering E15.

Increased demand for ethanol due to E15 will be limited in the next three years as retailers make these investments and consumer acceptance builds. Longer-term, the E15 fuel market will be able to provide stronger support to ethanol plant margins.

Persistent, low margins will also drive ethanol plants to diversify their revenue streams. "The ethanol plant of today could turn into the corn bio-refinery of tomorrow," said Secor. "One could expect co-product offerings to expand and investments in these co-product lines to increase. These co-product investments may include equipment to produce high-protein dried distiller grain with solubles, corn oil optimization, and new buyers for carbon dioxide."

Nitrogen: a farmer's analysis in soil nitrogen chemistry

By James Coover, Crop Production Agent, Wildcat Extension District

In previous articles we have talked about (P) Phosphorus, we have talked about (K) Potassium, but now we continue on this journey to talk about the big one, (N) Nitrogen. This is good timing because nitrogen losses in corn production are currently a very relevant topic. However, like in the previous P and K articles, this one is going to be about nutrient chemistry and increase nutrient understanding, rather than just a current issue in agronomy. Nitrogen is by far the most applied, the most necessary, and it also the most difficult to quantify. The reason for its elusiveness is because it is mobile within the soil, it's always changing forms, and can have gaseous losses (unlike P or K). To really get a handle on what is currently happening with nitrogen in the corn fields, right

now we need to understand all the pieces as play.

Nitrogen Forms

Ag producers know the forms of nitrogen, but should be covered just for completeness. Atmospheric nitrogen, N₂, is where it all starts and where it all ends up. It's highly stable so it takes microbes or human vast quantities of energy to convert it into a usable form. This form is usually ammonia or ammonium, neither of which is absorbable by plants in meaningful quantities. Microbes convert ammonium into nitrate, NO₃, which requires oxygen. This is called nitrification. In waterlogged soil where microbes can't get to oxygen, they use nitrate to breathe instead, converting NO₃ to N₂O or N₂ which are both gases that leave the soil. This is called denitrification. It is important to note that denitrification (NO₃ - N₂) is not the opposite of nitrification (NH₄ - NO₃). Also the process of

nitrification leaves the hydrogen behind, which is why nitrogen fertilizer acidifies the soil.

Fertilizer Types

Unlike every other nutrient, fertilizer type is an important part of understanding nitrogen because it all behaves differently in the soil. The most common types of nitrogen fertilizer are anhydrous ammonia, urea, UAN (urea ammonium nitrate), and the DA part of DAP (Di-Ammonium Phosphate). Anhydrous ammonia chemical formula is NH₃. Note that ammonium is NH₄ and ammonia is NH₃ but this transition from NH₃ to NH₄ is fairly quick, taking a couple of weeks at most and doesn't require microbes. However before that happens, the NH₃ is a toxic gas that suppresses microbes and kills crop seeds. Urea's chemical formula is complex, CH₄N₂O, but no need to worry because microbes convert it into ammonium. UAN is a mix of urea, ammonium and nitrate. The nitrate part is an important distinction because it's already in the usable, a potentially losable, nitrate form. N-serve, encapsulation or other forms of nitrification inhibitors work by slowing down the microbes from converting ammonium

into nitrate.

Nitrogen In the Soil

Each form of nitrogen moves differently in the soil. The ammonia in anhydrous is a gas but easily dissolves in water. This is why the application conditions when is applied is important because if it can escape the knife without touching the water in soil, it's gone. Ammonium is a cation that adsorbs onto soil surfaces, which is why is mostly immobile in the soil. Only nitrate, being an anion, moves with the water it is dissolved in.

Nitrification and Denitrification

Both nitrification and denitrification requires certain conditions to be present for microbes to perform their processes. Like previous mentioned, nitrification requires oxygen, but the process is sped up with warm temperatures, reaching an optimum at 75 to 80 degrees F and somewhat slowed down in acidic soils below 6.5 pH. At the point of anhydrous injection, the microbes are suppressed for a while, which also slows down nitrification. In a way, anhydrous is its own nitrification inhibitor. Denitrification also speeds up in warm temperatures, but requires a lack

of oxygen. Except when the soils are frozen or extremely dry, there is always some nitrification and denitrification happening and often at the same time.

The Current Nitrogen Situation

The importance of the current situation is that while our soils have been incredibly waterlogged for weeks, which would normally have huge denitrification losses, the ammonium fertilizers will have stayed safe because the microbes never got the oxygen they needed to convert it into nitrate. It is hard to determine how much fertilizer we have lost due to denitrification. It is likely a large portion of the nitrates have been denitrified but only 25% or less ammonia has converted to nitrate. Higher parts of the fields could have received more oxygen but were also less waterlogged. It is likely that nitrogen levels, both ammonium and nitrates, are very uneven throughout a field. It is hard to soil test for nitrogen during a growing season because much of it is "hiding" on soil surfaces and in different forms. Also, normal nitrogen soil test will only test for nitrate. The ammonium soil test is a separate, additional soil test add on. Corn only needs small amounts of nitrates during its early vege-

tative stages but then increases dramatically, shortly before tasseling. Young corn that was yellow this year was because of "wet feet" roots that couldn't get to the available nitrogen, which is why it is greened up when the soils dried out. I personally suspect that before it is all done we will have a fairly high denitrification year. It is difficult to tell if corn will need a top-dressed application. If you suspect it will need it, or want to play it safe anyways, 30 to 50 lbs N per acre can be side dribbled anytime in the few weeks before tasseling. Ideally, leave a strip or two of the field without top-dressed application and another where it is doubled as check strips. This only gives you an answer after the fact so it is more of a learning observation thing.

This detailed focus on the soil chemistry of nitrogen is intended to give a whole picture view about what is going on in the field, rather than just fertilizer rate prescriptions. If you have any questions about top dressing nitrogen on corn or other crop fertility questions, please give me a call.

For more information, please contact James Coover, Crop Production Agent, jcoover@ksu.edu or (620) 724-8233.

REAL ESTATE & PERSONAL PROPERTY AUCTION
SATURDAY, JULY 20, 2019
TIME: Personal Property: 9:30 AM • House & Autos: 11:00 AM
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Sealed Bid Auction (bids due by 2pm July 16) — 158.92 acres ag land located near Hanover Township, 8 miles NW of Sylvan Grove). Go to www.soldbywilson.com. Wilson Realty & Auction Service.

July 8 — 2BR home, partial basement, detached garage on desirable lot held at Manhattan for Betty K. Naslund Trust. Auctioneers: Gannon Real Estate & Auctions.

July 9 — Ford 2110 gas tractor w/front loader, Zipper zero turn mower, riding mower, flatbed trailer, lawn & garden items, shop tools, work benches, wrenches, power tools, cut lumber & much more held at Wakarusa for Bill & Linda Black. Auctioneers: Wischropp Auctions.

July 11 — Tools, B&D electric mower, lawn sprayer, live traps & much more at Clay Center for Rollin & Ilene Newell. Auctioneers: Thummel Real Estate & Auction, LLC.

July 13 — Guns, vehicles including 2006 Cadillac DTS, 1995 Cadillac Seville, 2007 Ram pickup, tandem axle trailer, garage & shop items, farm items, tools, furniture & antiques held at Eskridge for Sandy & The Late Robert Grosfield Estate. Auctioneers: D4 Auctions, Dee Hill.

July 13 — Tractors, farm equipment, trailers, shop items, boat & fishing, saddles & tack, collectibles, pickup, storage, furniture & household, misc. held at Cassoday for Garry & Lisa Hoy. Auctioneers: Hancock Auction & Real Estate.

July 13 — 1-acre with home, Wick Building; also selling JD 520 tractor w/PS, 2003 Buick LeSabre, appliances held at Leon. Auctioneers: Chuck Korte Real Estate & Auction Service, Inc.

July 13 (9 AM) — Real Estate (3 BR home, 1 BA in

Salina), pickup, tools, collectibles & household at Salina for Ethel Linea Clark Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

July 13 (1 PM) — Antiques & collectibles, tools at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

July 13 — Crockery, advertising tins, doll, miniature, salesman sample collection, books, collectibles, glassware & miscellaneous held at Lawrence for Waneta D. Turner Estate. Auctioneers: Mark Elston & Jason Flory.

July 13 — Guns, coins, lawn & garden equipment, hunting & fishing items, tools, garage items, miscellaneous farm items held at Hartford for Ralph Elliott. Auctioneers: Kurtz Auction & Realty Service.

July 13 — Furniture, household & garage items held at Moundridge for Abe & Judy Schmidt. Auctioneers: Van Schmidt Auctions.

July 13 — Guns, 1999 Chevrolet Silverado 1500 pickup, riding lawn tractor, snow blower, shop tools, appliances, furniture, household & more at Manhattan for Helen L. Richter Trust. Auctioneers: Gannon Real Estate & Auctions.

July 13 — Huge toy train collection, guns, ammo, collectibles, household & misc. at Abilene for the Estate of Rodger Jacquet. Auctioneers: Kretz Auction Service.

July 13 — NE Kansas Absolute Real Estate & personal property (Livestock starting & growing facility) sold in 4 tracts held at Valley Falls for Kelly & Kim Kirkham. Auctioneers: Harris Real Estate & Auctions, LLC.

July 13 — Consignment horse sale selling horses, ponies, donkeys & tack held at Garnett for Anderson County Sales Co., LLC.

July 13 & 14 — Estate Auction #1 & #2 held at Lawrence for Waneta Turner Estate. Auctioneers: Elston Auctions.

July 14 — Tools, antiques, household, vintage, appliances & much more held at Osage City. Auctioneers: Wischropp Auctions.

July 20 — Consignment auction at Salina. Auctioneers: Wilson Realty & Auction Service.

July 20 — Restored 1955 Ford pickup, mechanic tools & shop equipment, wood-working tools, lawn & garden equipment, appliances, household furnishings & misc. held at Leroy for Mrs. Bill Brite. Auctioneers: Kurtz Auction & Realty Service.

July 20 — Antiques, collectibles, horse-drawn equipment & more held at Thayer for Fred & Louise Moulton Estate. Auctioneers: Larry Marshall, Mark Garretson.

July 20 — Real Estate (4 BR, 3 1/2 BA home on 2.85 m/l acres), 3 limos, 2001 Excursion, 2002 Corvette, 1999 Forest River motorhome, electronics, tools, furniture, housewares & more held at St. George for Michael Trout Estate. Auctioneers: Crossroads Real Estate & Auction, LLC.

July 20 — Tractors, harvesting, semi & grain trailer, machinery, ATV, trailers & miscellaneous held at Morrill for Larry & Judy Stover. Auctioneers: Harris Auction Service.

July 20 — Furniture, toys & household items, wood-working equipment & garage items held at Goessel for Loren & Leona Brandt. Auctioneers: Van Schmidt Auctions.

July 20 — Estate auction held at Lawrence for Ellen LeCompte Estate (The Trust Co. executor). Auctioneers: Elston Auctions.

July 21 — Tractor, car,

guns, tools, vintage furniture, household & more held at Harveyville for Mrs. Avis “Bud” Riffin. Auctioneers: Wischropp Auctions.

July 23 — 3 bedroom, 2 bath home held in Ogden. Auctioneers: Crossroads Real Estate & Auction, LLC.

July 27 — Annual July consignment auction including tractors, combines, plat-forms & corn heads, planters & drills, tillage tools, hay equipment, rotary cutters, construction pieces, lawn, garden & ATVs, grain, feed & material handling, sprayers & applicators, trucks, trailers, lots of livestock equipment held at Paris, Missouri (and online bidding at Proxibid.com). Auctioneers: Wheeler Auctions & Real Estate.

July 27 — Antiques, collectibles, vehicles, tractors, machinery & tools held East of Abilene for Betsy Baldwin, Ernie Wofford Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

July 27 — Firearms, coins, farm toys held at Lawrence for Melvin Krumm Estate, Northwood, Iowa). Auctioneers: Elston Auctions.

July 27 — Tractors, machinery, shop & lawn items held at St. Marys for Felix Hesse Estate. Auctioneers: Gannon Real Estate & Auctions.

August 10 — Collector Cars including 1959 Chev. El Camino, 1959 Chev. Sedan Delivery Biscayne, 1936 Packard 120 coupe, 1959 Cadillac El Dorado, 1940 Packard, 1946 Hudson, 1948 Nash & more; also car parts & other held at McPherson for Gerald Winslow Estate. Auctioneers: Thumel Real Estate & Auction, LLC.

August 10 — Farm machinery, livestock equipment & misc. held Southwest of Abilene for Mark & Patricia Berns. Auctioneers: Kretz Auction Service.

August 13 — 640 acres of Cheyenne County, KS cropland & CRP selling in 4 tracts. Auctioneers: Farm & Ranch Realty, Inc.

August 17 — Antiques &

collectibles including barber items, drug store items, political, signs, crocks & more held at Salina for Pat Powers Estate. Auctioneers: Thummel Real Estate & Auction, LLC.

August 26 — Farm machinery & misc. held South of Abilene for Gene & Cindy Hoffman. Auctioneers: Kretz Auction Service.

August 31 — 5 John Deere collector tractors, Chevy Silverado 1500, JD mechanic’s shop full of tools, some specialty tools held at Sabetha for James Meyer Estate. Auctioneers: Ash Realty & Auctions.

September 1 — Quilts & linens, 2500 pieces antique & vintage Jewelry, Native American items including jewelry, pottery & more, primitives held at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

ESTATE AUCTION

SATURDAY, JULY 20, 2019 — 9:00 AM
2202 New Hampshire — LAWRENCE, KANSAS

CAR
 2000 Toyota Camry CE 4 door, 5 sp. manual.

ART WORK (Some Signed)
 EL Borracho 1&2 Framed Pictures, Louis Copt (oil on Canvas), Roger Shimomura (prints w/print records), J Mears (Horse Pictures), Joan Foth, Delft pictures, numerous pictures & prints of all kinds!; Art Work Station Rolling Island Cabinet w/ matching Work Desk; Misc. Art Supplies; Many Unique Pottery/Clay Statue & Figurines of all shapes & sizes! Large Selection of Native American Southwest Pottery/Figurines/Jewelry/Kachina & Kokopelli figurines.

VINTAGE FURNITURE, COLLECTIBLES, HOUSEHOLD, MISC.

Lawyer's Stackable 4 tier Bookcase; Lawyer's 4 tier Cabinet w/Glass Doors; Oak Primitive Kitchenette Round Table; Oak Square Primitive Dining Table; 4 Oak Upholstered matching Chairs; Primitive Kitchen Painted Cabinet; Primitive Chest Trunk; Mid-Century Matching Side Chairs; Mid-Century Oak Leather Chair w/Foot Rest; Oak Ex. Chair; 2'x7' Parlor Table w/ Marble Top; Oak Coffee Table; Stained Glass Hanging Window

Auction Note: This is truly a Unique & Unusual One-of-a-Kind Auction! Very Clean & the Condition is Excellent! Do Not Miss The Opportunity! Plenty of shade.

SELLER: ELLEN “ELLIE” LeCOMPTE ESTATE
 The Trust Co., Executor

Auctioneers: ELSTON AUCTIONS
 (785-594-0505) (785-218-7851)

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AUCTION

SATURDAY, JULY 13, 2019 — 1:00 PM

Auction will be held in Kenwood Hall at the Saline Co. Expo 900 Greeley in SALINA, KS

ANTIQUES & COLLECTIBLES

2 Oak step back cupboards; 2 oak drop front desk; oak parlor table; 2 oak commodes; oak dresser; iron bed; library table; Howard Miller clock; wicker blanket chest & 2 tables; several camel & flat top trunks; night stand; curio cabinet; Jenny Lind baby bed; bridge lamp; assortment pictures inc: Maleta Forsberg; BB guns; child's rocker; school desk; assortment crocks inc: bowls, pitchers, jars; Persian rugs; wooden bowl; cast iron pieces; Raymar limited prints; Sunbeam door push; copper

rooster weather vane; Water-berry clock; 10 sets silverware; Lladro & other figurines; brass lamp; oil lamps; quilts; assortment linens & fancy work; bed spread; buttons; Christmas decorations; clock shelf; sewing items; German china pieces; Iris pitcher & glasses; pink Depression ice buckets; cookie cutters; brass master water meter; Fisher Price circus wagon; assortment toys; dolls; games; copper boiler; wood barrel; wood orange crates; wood pop cases; printer drawer; typewriters; sled; bicycles; flags; pens; fishing

items; wood churn; wash tub; pitcher pump; well pump; cast iron kettle & pots; assortment tools; assortment of other collectibles.

TOOLS

Craftsman tools: 5hp air compressor; 10" table saw; 12" band saw; router w/table; spindle sander; 3 hp compound miter; 4" belt 6" disc sander; brad stapler; Dewalt chop saw; Delta jig saw; **Duracraft** drill press, 12" wood lathe; lathe tools; grinder on stand; 3" vise; aluminum extension ladder; other hand tools; work bench; CH pressure washer; air bubble.

NOTE: We have combined 4 estates, there are many nice antiques and a good collection of tools. Check our website at www.thummelauction.com for pictures.

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

FARM EQUIPMENT AUCTION

SATURDAY, JULY 20, 2019 • 10:00 AM

AUCTION LOCATION: 2651 Foxtail Road, MORRILL, KANSAS

Directions: From Hiawatha, KS 4 miles West on 36 Hwy. to Goldfinch Road, 2.5 miles North to 260th Rd., 1 mile West to Foxtail Rd., 1/2 mile North. **Or from Morrill, KS** 2 miles South on Dewberry Rd. to 270th Rd., 2 miles East to Foxtail Rd., 1/2 mile South.

TRACTORS

- 2008 JD 7830 MFWD, power quad trans., 18.4x42 rear duals, 3 remotes, 540/1000 PTO, front fenders, front & rear weights, 1485 one owner hours, excellent condition, SN: RW7830R012758
- 2014 Case IH Maxxum Premium 125 MFWD, 16x16 semi powershift, 125 hp, 6 cyl, 3 remotes, deluxe cab, 2 sets rear weights w/Case IH 1755 loader, electronic joystick, quick lock system, 8' bucket, loader used very little, tractor and loader like new, 360 one owner hours, SN: ZDBE06688
- Case IH front bale prong, quick tach

HARVESTING

- 2012 JD S660 combine, rear wheel assist, long unloading auger, power fold grain bin extension, refrigerator and buddy seat, Auto Trac Ready, 816 actual separator hours, 2nd owner, SN: 1H0S660SCC0746920
- 2005 JD 620F flexhead, real nice
- 2014 JD 606C 6x30" row corn head w/auto header height, hyd deck plates, stock chopper rolls
- Ez Trail 680 header cart, low wheels, 26" bar
- Ez Trail 742 header cart, regular wheels 26" bar
- 2012 Demco 650 bu. Grain cart, roll over tarp, 24.5x32 tires, 1000 PTO, excellent condition
- Mayrath 8"x56" grain auger, PTO drive, used very little

SEMI & GRAIN TRAILER

- 2004 Freightliner semi truck, 3126 Cat, 6 sp Allison AT, single axle, AC, air ride cab and seat, new rear tires, 180,000 miles, really sharp, VIN: 1FUBCYAK34HM61658
- 2012 Neville 28' grain trailer, dual rear axles w/ 11R 22.5, side windows, roll over tarp, 750 bu, 1 owner, like new, VIN: 1N9GT2824CL175233

MACHINERY

2014 JD 1760 flex planter, 12-30" row, Econofold, 3 bu. boxes, air bag system, Keeton seed firmers, Yetter row cleaners quick adjust, corn and bean plates, Computer Trak 350 monitor, field ready, very nice; **2015 Patriot 4 box seed tender,** electric start, gas engine, 7'-19" adjustable fill spout, electric fold over auger lift, like new; **2016 Rhino 12' bat wing shredder,** airless tires, safety chain guards, 1000 PTP, excellent condition; Wil-rich 24' field cultivator, wing fold, 3 bar harrow; Krause 21' flex wing disk; IH 540 5 bottom steerable plow; JD 4 bottom mounted plow; JD 1610 chisel plow, 14' pull type; Eversman 2 ½ yd dirt scraper, front dolly wheels; 10' box scraper, new cylinder and hoses, pull type, used once; JD 670 pull type wheel rake, rubber mounted tines; 3 pt hd shop made rear bale prongs; 3 pt post hole digger, 8 & 12" augers; (4) JD 6' harrow sections; Big Og 8' 3 pt blade.

ATV

- 2013 Honda Rancher 2WD, 420cc, 5 sp electric shift, fuel injection, winch, 120 hours, like new
- Moose plow snow blade for ATV, 52" new

TRAILERS

- 8'x10' flat top hd dual wheel all steel trailer, over center drop down, hand winch, good tires
- 5'x10' carry on trailer, 3000 lb gvw, wood floor, ball hitch, folding ramp, always shedded, pulled once

MISCELLANEOUS

50 gal. PU fuel tank w/electric pump 2 yrs old; 15 gal. ATV spot sprayer; JD electric grease gun, 2 batteries; (6) Good used 15" tires; Large portable dog kennel, new.

Very few other small tools and misc. items. PLEASE BE ON TIME.

Larry has always been a meticulous caretaker & his machinery shows it. Most every piece has always been shedded & an excellent maintenance program. Please come prepared and buy with confidence. Portable Restrooms will be available • Lunch served by Carrie

LARRY & JUDY STOVER, SELLERS • Home Phone: 785-740-4242; Larry Cell: 785-991-0455

HARRIS AUCTION SERVICE • HOLTON, KS

Dan Harris, Auctioneer: 785-364-7137 • Larry Harris, Auctioneer: 785-249-4236

Cody Askren, Auctioneer: 785-364-7249 • Holton Livestock Exchange, Inc. 785-364-4114

Clerk & Cashiers: Cindy Grollmes, Garrett Harris & Blake Harris

View Pictures at Holtonlivestock.com

Spending bill increases funding for rural veterinary program

The American Veterinary Medical Association (AVMA) welcomes the passage of the agriculture spending bill by the U.S. House of Representatives, which increases annual funding for the Veterinary Medicine Loan Repayment Program (VMLRP) by \$1 million to \$9 million. This funding increase will help the program place more food animal veterinarians in rural areas to close veterinary access gaps. AVMA worked closely with Congress to secure this funding.

“The Veterinary Medicine Loan Repayment Program has been a tremendous success in connecting food animal veterinarians in rural communities that so badly need their services and public health veterinarians that are essential to maintaining the health of animals and humans alike. This funding is an important step toward helping the program expand its reach,” said AVMA president Dr. John de Jong. “We’re grateful to all of the lawmakers who in a bipartisan effort are committed to championing this program.”

The spending bill also maintains \$3 million in funding for the Veterinary Services Grant Program, which similarly helps meet rural veterinary needs by providing grants to support education and Extension activities and practice enhancement initiatives for food animal veterinary services.

Of additional importance to veterinary medicine, the bill provides a \$30 million increase for the Agriculture and Food Research Initiative, maintains level funding of \$16.3 million for the National Animal Health Laboratory Network, provides a \$2 million increase for the Animal and Plant Health Inspection Service (APHIS) Center for Veterinary Biologics, and provides an increase of \$4.2 million for APHIS Veterinary Diagnostics.

AVMA looks forward to working with Senate lawmakers as they develop their spending bill, and ensuring these funding levels remain in the final spending agreement between the House and Senate.



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AUCTION

SATURDAY, JULY 13, 2019 — 9:00 AM

Auction will be held at the home located at 1165 E Woodland in SALINA, KS

REAL ESTATE Sells at 9:00 a.m.

8 room home with 3 bedrooms, 1 bath, sun porch. Central heat & air, 3 car detached garage w/work area. The home is located at 1165 E. Woodland, Salina, KS. The home is on 1 ½ lots (Lot 13 & W ½ Lot 14). Empty lot next to the above home (E ½ Lot 14 & Lot 15). The seller will do no inspections or repairs on the

PICKUP, TOOLS, COLLECTIBLES & HOUSEHOLD

1964 Ford pickup 3 speed, 6 cy.; 3 pc. walnut bedroom set; princess dresser; oak desk; pine 2 door wall cabinet; upright piano; chrome drop leaf table; metal bed; chest; pine table; treadle sewing machine; flat top trunk;

'20s chest; '70s bedroom set; maple dropleaf table; pine couch & chair; new gun cabinet; 2 refrigerators; 2 dressers; metal locker; wire racks; 1 gal jug; wire stools; lamps; Elvis collection; 33 records; '60s stereo; farm toy sets; model cars; horse collars; lamps; electric trains; wash tub; wash bench; pedal grind-

er; yard art; iron wheel; pitcher pump; patio table & chairs; cream cans; gas cans; toy cement truck; other toy trucks; load locks; lawn aerator; Tupperware; post drill; ½" drill press; manual tire changer; bar clamp; assortment hand tools; aluminum ramps; large assortment other items.

NOTE: There are many boxes that are not unpacked.

Check our website for pictures at www.thummelauction.com.

ETHEL LINEA CLARK ESTATE

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



BAXTER BLACK

ON THE EDGE OF COMMON SENSE

Ol' Rookie

Old dogs. They write songs about 'em and watermelon wine. They have sayings about 'em learning new tricks. They even name feet after them, i.e., "My ol' dogs are shore tired!"

In a dog's lifespan they usually figure eight dog years equals one human year. Little dogs usually live longer than big dogs. Fourteen is old for a dog, and Rookie had turned fourteen that year.

Old Rookie was a good-sized spotted hound dog belonging to my friend Tink. I saw the two of them that summer. Tink was lookin' good. Rookie looked like a dyin' duck in a thunderstorm! He was drawn up and poor. He panted and gazed into space a lot of the time. He had trouble getting up and down. He stumbled over Popsicle sticks and tumblebugs. It would be fair

to say he had lost his bloom. We thought he was so deaf he couldn't hear himself bark. But after closer observation we noticed that when you called him, ol' Rookie would look the other way. I reckon he was just ignoring us. A privilege we grant older folks of any species. He practiced "snappin' flies." Only trouble was after they'd been snapped, he'd open his mouth and the fly would buzz lazily out. Rookie didn't have many teeth left, ya see.

He had fleas, ticks and a squadron of flies that hovered over him like groupies. I suggested we give him a bath and hang an insecticide ear tag on his collar. Tink said he'd considered that but he was afraid the ol dog would be lonesome.

I didn't understand. He said ol' Rookie is packin' his own peanut gallery! He'd doze off in the shade of a tree then sit up suddenly and start barking. Then he'd look around with a puzzled look and flop back down in the grass. Barkin' at old memories.

I saw him walk out to the road and visit with a Doberman female. They sniffed and I saw his tail wag a little and a silly grin slide across his ol' gray muzzle. I said, "Look at that. He's still got fire in the furnace!"

Tink glanced at his long time canine pardner and said, "Don't get yer hopes up. I think ol' Rookie's just havin' a flashback."

www.baxterblack.com



Bowdy Wilson, grandson of Rick Wilson, bottle-feeding his lamb in Marysville.

Email your Country Young'uns photos to gandgeditor@agpress.com



Hinrichsen Blackbird 8237 won reserve grand champion bred-and-owned female at the 2019 Kansas Junior Angus Association Preview Show, June 1-2 in Hutchinson. Eva Hinrichsen, Westmoreland, owns the April 2018 daughter of Silveiras S Sis GQ 2353. She first won junior champion. Brittney Creamer, Montrose, Colo., evaluated the 94 entries.

Photos by Jeff Mafi, American Angus Association



Moffitt Forever Lady 1834 won grand champion owned female at the 2019 Kansas Junior Angus Association Preview Show, June 1-2 in Hutchinson. Cohen Navinsky, Easton, owns the May 2018 daughter of Colburn Primo 5153. She first won intermediate champion.

Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

Selling Hogs & Cattle every Monday

BACK TO REGULAR SCHEDULE ON SALES!

NO MARKET REPORT THIS WEEK SINCE WE DID NOT HAVE A SALE!

EARLY CONSIGNMENTS FOR THURSDAY, JULY 11:

- 46 black steers & heifers, home raised, weaned 40 days, 2rnd vacc
- 25 black steers & heifers, home raised, weaned April, vacc, no implant, 450-550 lbs.
- 100 black steers, off grass, no sort, 1000 lbs.
- 90 mostly black heifers, checked open, weaned, vacc, 600-650 lbs.
- 55 mostly black heifers, home raised, 2rnd vacc, no implant, long time weaned, 750-850 lbs.
- 120 steers, off grass, 850 lbs.
- 100 mostly black steers & heifers, home raised, weaned April, 2rnd vacc, 700-800 lbs.
- 27 CharolaisX steers & heifers, home raised, weaned April, 2rnd vacc, 700-800 lbs.
- 8 black steers & heifers, home raised, vacc, 600-800 lbs.
- 120 mostly black steers & heifers, long time weaned, vacc, 500-600 lbs.
- 120 mostly black heifers, open, off brome, 750 lbs.
- 24 Hereford steers & heifers, home raised, weaned, vacc, 600 lbs.

EARLY CONSIGNMENTS FOR THURSDAY, JULY 18:

- 140 black steers & heifers, weaned April, 600-800 lbs.
- 100 black steers & heifers, weaned 30 days, 500-700 lbs.
- 70 black steers & heifers, open, vacc, 600-800 lbs.
- 50 black steers & heifers, 3rnd vacc, 650-800 lbs.
- 28 steers & heifers, off grass, 700-800 lbs.
- 60 steers & heifers, open, 2rnd vacc, 600-800 lbs.
- 75 black steers & heifers, home raised, 2rnd vacc, 650-800 lbs.
- 40 black steers & heifers, 650-750 lbs.
- 80 black & Charolais steers & heifers, home raised, vacc, mostly Vaughn Charolais sired, 500-700 lbs.

IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- 6'8" x 24' GOOSENECK STOCK TRAILER METAL TOP
- 6'8" X 24' GOOSENECK STOCK TRAILER

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

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

THURSDAY — CATTLE ONLY

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

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD

For a complete list of cattle for all sales check out our website www.fandrlive.com

CATTLE USA.com LIVE CATTLE AUCTIONS

FARMERS & RANCHERS HAS SWITCHED BACK to Cattle USA.com for our online auctions.

HORSE SALE PEOPLE:

Be getting your HORSES in!

Our Colt Sale is filling up quick!

Colts & Weanlings are due July 15th

Anything 2 & older is due August 1st

TENTATIVE COMING OFF GRASS SALES

- Tuesday, July 30 @ 9:00 am
- Tuesday, August 6 @ 9:00 am

UPCOMING SPECIAL COW SALE

TUESDAY, AUGUST 13 @ 11:00 am

Are You Ready for the LONG HAULER?!

Easy Enough For ANYONE in your life to DUMP!



INTRODUCTORY PRICE! \$6,750

Round Bale Dump Trailer



IN STOCK TODAY!

Invest in the Best!

- 42' Long
- Gooseneck
- Hauls 8 to 11 Bales

For Information or estimates, contact:

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Check our listings each week on our website at www.fandrlive.com

