



Kansas AgrAbility Project earns additional grant funding

Each year, more than 5,000 Kansas farmers and agricultural workers sustain injuries or acquire a health condition that affects their ability to work.

Thanks to a new round of federal grant funding, the Kansas AgrAbility Project will continue to be a resource for Kansas farmers and ranchers dealing with disabilities and chronic illness.

The U.S. Department of Agriculture's National Institute of Food and Agriculture recently awarded Kansas AgrAbility a new, four-year \$720,000 grant to extend operations until at least 2022. USDA-NIFA's competitive grant funds projects in 20 states.

Since receiving its first grant in 2002, Kansas AgrAbility has focused on directly assisting Kansas farmers, farm employees and farm family members



Among the services the Kansas AgrAbility Project helps to coordinate is assisting farmers and ranchers with lift chair technology so they can access their farming equipment.

who have become injured or have an activity-limiting health condition/limitation to remain actively engaged

in production agriculture for as long as they choose.

The project is a partnership between K-State Uni-

versity Research and Extension, Southeast Kansas Independent Living in Parsons, and the University of

Kansas Lifespan Institute.

Kansas AgrAbility Agriculture Assistive Technology Specialists combine their knowledge of agriculture with disability expertise to provide specialized services needed to safely accommodate disabilities in everyday farm and ranch operations. These services cover the entire state of Kansas and include collaboration with extension educators, disability experts, rural professionals and volunteers in offering an array of services.

Kansas AgrAbility actively promotes education and networking among rural and disability-service organizations to increase capacity for serving farmers with disabilities and to promote understanding around challenges faced by

those farmers in an effort to break down service barriers and promote successful outcomes.

AgrAbility also provides educational resources to avoid primary and secondary injuries on the farm by recommending safe practices and tools to minimize back and joint injuries.

The grant is administered in Kansas State University's Department of Biological and Agricultural Engineering by project director John Slocombe and project coordinator Tawnie Larson.

For more information, contact Kansas AgrAbility by calling 800-CAN-DO-IT (800-526-3648), visit the website at www.agrability.ksu.edu or email agrability@ksu.edu.

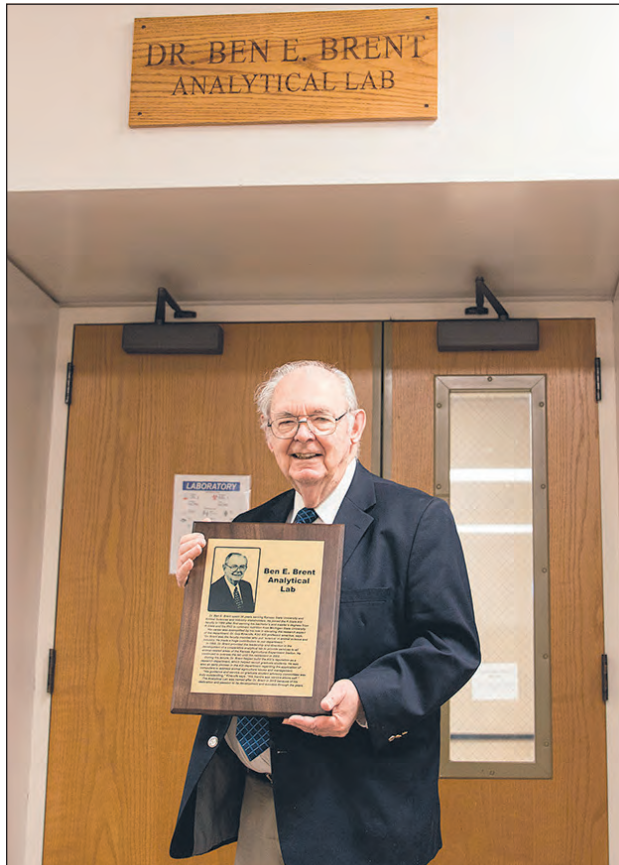
K-State ASI Analytical Lab renamed after Dr. Ben E. Brent

The Kansas State University Department of Animal Sciences and Industry Analytical Lab in Weber 202 was renamed on Friday, December 14, the Ben E. Brent Analytical Lab.

Dr. Ben Brent, Manhattan, spent 36 years serving K-State and Animal Sciences and Industry stakeholders. He joined the K-State ASI faculty in 1966 after first earning his bachelor's and master's degrees from K-State and his doctorate in ruminant nutrition from Michigan State University.

His career was exemplified by his role in elevating the research component of the department. Dr. Guy Kiracofe, KSU ASI professor emeritus, explains, "Ben was the faculty member who put 'science' in animal science and industry. He made a huge contribution to our department."

Dr. Brent provided the leadership and direction in the development of a cooperative analytical lab to provide services to all animal-related areas of the Kansas Agricultural Experiment Station.



The K-State Animal Sciences and Industry Analytical Lab was recently renamed the Ben E. Brent Analytical Lab. Dr. Brent provided the leadership and direction in the development of a cooperative analytical lab to provide services to all animal-related areas of the Kansas Agricultural Experiment Station.

to provide services to all animal-related areas of the Kansas Agricultural Experiment Station.

Dr. Kiracofe explains that Dr. Brent helped build ASI's reputation as a research department, which helped recruit graduate students. He was also an early pioneer in the ASI department regarding the application of computers to address animal agriculture applications.

"His guidance and service on graduate student advisory committees was truly outstanding," Kiracofe says. "His mantra was service above self."

Today, Dr. Brent stays active in the Manhattan area playing in the Community Band and is treasurer for the First United Methodist Church. He also has a passion for commodity trading and is a founding partner of Buchanan and Company in Manhattan. His wife of 44 years, Ellie, passed away in December 2016.



The coronation party for Brooke Wallace, 2019 Miss Rodeo Kansas, will be held in Abilene on January 12. Wallace, a native of Solomon, will represent the Sunflower State at pro rodeos across the nation next year.

Photo by Amber Thompson Photography

2019 Miss Rodeo Kansas coronation party to be held in Abilene Jan. 12

Royalty will be in Abilene, Kansas next month.

The 2019 Miss Rodeo Kansas, Brooke Wallace, will hold her coronation party at Sterl Hall at the Central Kansas Free Fairgrounds in Abilene on Saturday, January 12.

The evening kicks off at 5 p.m. with a welcome and proceeds with the coronation, dinner, silent and live auctions, and a dance.

Silent and live auction

items include a grill, furniture, gun, horseshoe art, paintings, Wild Bill Hickok rodeo buckles, and more.

A fried chicken dinner will be served, provided by Brookville Hotel. Wallace, whose hometown is Solomon, served as the 2016 Miss Rodeo K-State and made appearances at Abilene's Wild Bill Hickok Rodeo that year. She is a 2017 graduate of Kansas State University.

• Cont. on page 3

Concordia Tractor, Inc. CEO Harley Adams selected as 2018 Dealer of the Year

The Western Equipment Dealers Association (WEDA) is honored to present the prestigious Merit Award to Harley Adams of Concordia Tractor, Inc. (CTI), as the 2018 Dealer of the Year.

As a true mark of excellence, the annual WEDA Dealer of the Year award recognizes exceptional performance and outstanding

community service that is an inspiration to our industry. By presenting this annual award, WEDA honors an individual dealer for their leadership within the industry, high business standards and tireless efforts to improve their communities and the world around them.

Harley was raised on a wheat, cotton, and cattle farm in southwestern Oklahoma. The Adams family also operated a custom combine and cotton harvesting business. He married his high school sweetheart after graduation and the two frightened farm kids went off to college. He and Darla will celebrate their 50th anniversary in 2019.

He was the first in his family to attend college, and consequently, not well-prepared as the young couple ran out of money at mid-term. Desperate for a job, Harley visited Paul DeFehr, the local John Deere dealer, hoping to capitalize on his custom harvest background. DeFehr explained that they did not hire in January, and to come back later in the

spring. After three visits in three days, DeFehr relented and Harley had the job that would set the course for the rest of his life.

After graduation, Harley took a job with John Deere Company, Kansas City. He located in Salina as a trainee in August 1972 and was promoted to territory manager in March 1973, becoming the youngest TM ever appointed at age 22. His equipment knowledge and dealer experience were paying off and he was well

on his way in the corporate world, but he had a different idea.

In 1978, Harley became a partner and worked in ag sales at Concordia Tractor, Inc. (CTI), a John Deere dealer in north central Kansas. Harley's brother Johnny joined the company in 1980, also becoming an owner. The original partner retired unexpectedly in 1984 and Harley became the GM of the dealership with a new partner.

Harley, along with his

brother, had promised their local customers that if they would support them, they would totally commit themselves to supporting their customer's business. That meant 100% of their time, energy, and resources – no distractions, no other business interests, just total devotion to John Deere and supporting the local customers.

CTI concentrated on parts and service support and developed a great group of employees, and when the sales demand started in the early '90s, they were ready. Customers came from other dealer areas to do business with CTI – they had survived, and their commitment had paid off.

The Adams brothers grew to four locations between 2000 and 2007 and increased their level of customer support with inventories, training, and technology. Son Kyle and nephew Michael joined along the way. Harley shared, "John Deere was the vehicle during the ride, but the customers and employees have been the passengers, and they are the most important." With a primary



Wally Butler, left, president of the board of directors, Western Equipment Dealers Association, presents Harley Adams, CEO, Concordia Tractor, Inc., with the prestigious Merit Award as the 2018 Dealer of the Year.

Insight

KANSAS FARM BUREAU
The Voice of Agriculture

The Christmas Spirit Is Not What You Drink

By John Schlageck,
Kansas Farm Bureau

Many, many traditions exemplify Christmas – a decorated tree, colored lights, gift giving, parties and turkey or ham dinners. Most of these traditions are recent additions.

The greatest gift associated with Christmas is the one of caring for one another. This gift is also the ultimate Christmas story – God's love for man.

A tradition that continues in our family is going to church and Midnight Mass. In the small, northwestern Kansas community where I grew up, church was the spiritual and social center for life among rural farm people. As a youngster, I remember mother dressing us in our Sunday best and then bundling us up for the walk to St. Martin of Tours.

Magic dwelled inside

our church during Christmas. On the right side, miniature statues of cattle and sheep surrounded Mary, Joseph and the Christ child. On the altar, candles flickered as their dark, tongued-shaped shadows danced on the sacristy wall. Christmas carols streamed out of the choir loft as organist Lilly Kingston offered her gift to the newborn babe.

I enjoyed every minute of the service, but it was pure torture to stay around and visit in front of the church afterwards. While we attended church services, Santa dropped by our home.

I couldn't wait to run home and rip open packages. Like every other youngster, I counted the days. It seemed like Christmas would never arrive.

As a young child, I don't remember seeing Santa until I was four. That's about the time the jolly, old fat man dropped down our chimney with gifts galore.

While Santa was a big part of Christmas in our family, the Christ child was of course more important. My family did a good job balancing the two.

My parents grew up during the Great Depression. Anything that cost money was rare at Christmas. Gifts for mom and dad consisted of useful things like clothing and maybe one toy for each child – if crops and harvest had been bountiful. Ice cream and fresh oranges were always a special treat reserved for the celebration of the Christ child.

We were more fortunate in the gift department. Santa always came to our door toting a bulging bur-lap bag filled with toys. You see, the Schlageck

children were very good little girls and boys – at least that's the way we pictured ourselves, especially before Christmas.

Probably my favorite gift was a "wind-up" toy train. I played for hours with that wonderful gift. If this wasn't heaven, it was the next best thing.

Until the mid-1960s our family always celebrated Christmas with a real tree. Then plastic, artificial trees dominated the market. Unfortunately, we erected one too.

Mom decorated our house with brilliant red poinsettias. While she was decorating, she would tell us the legend of how the poor Mexican boy prayed to Christ for a gift he could give. As he arose from his knees a poinsettia plant grew at his feet. The boy broke off the branches and took the beautiful poinsettia to the altar.

Our dining room table was a celebration of food during the holiday season. Christmas dinner consisted of turkey, mashed potatoes and gravy, cranberries, fresh-baked crescent rolls, green peas and a relish dish. For dessert, pumpkin pie and freshly whipped cream was the fare that completed the feast. That was our favorite, and my mother made the best.

Mom also made chocolate fudge with walnuts. I ate too many walnuts as a five-year-old, so I picked out the walnuts and ate only the fudge. Homemade peanut brittle was another specialty my mother made for us during Christmas.

As a youngster I had plenty to be thankful for during the holiday season. A wonderfully decorated home, the smell of baking turkey and the anticipation of Christmas are memories I will cherish forever.

This Christmas, like so many folks, we will celebrate Christmas with our family and friends. We celebrate Christmas in our home with traditions of our own.

Christmas is truly for children and those who love them. The joy we see in the eyes of a child will remain always in our hearts.

Remember during this holiday season that joy springs from the heart of anyone dedicated to caring and helping others. The Christmas spirit dwells inside each of us.

This holiday season, say a prayer of peace for all, and worship the Christ child like many have for more than 2,000 years.

Merry Christmas.

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

Prairie Ponderings

By Donna Sullivan

As I write this, it's five days before Christmas, and by the time you read it, it will be at least one day after the big holiday. Five days out and I have a good portion of my shopping done and just a few things left to buy. My tradition of not starting until after Thanksgiving and pushing it to the very last minute will once again be upheld in all its radiant, frazzled, harried glory.

As I think back over gifts I've received over the years, some material and some not, a few stand out in my mind.

My husband and I got engaged on Christmas Eve. While the ring was nice, the 37-year-and-counting marriage is better.

I was given the gift of motherhood four days before Christmas in 1983 when my oldest son was born. He was due on December 4 but didn't decide to make his appearance until the 21st. He was supposed to have been Baby Jesus in the church Christmas program, but we weren't out of the hospital yet. Three more children would follow and motherhood will always be at the top of the list of the greatest gifts God has given me.

I learned that I would become a grandmother for the first time on Christmas Day in 2009. A little construction paper mitten said Baby Sullivan, arriving 2010. I'm pretty sure my whoops and hollers could be heard for miles.

2009 was quite a Christmas for me. Along

with notification of an impending grandchild, my husband bought me a violin and my oldest daughter had a novel published that I'd written several years prior. The novel served as a reminder to my family that I do have at least one good talent when the violin had them wondering if there would ever be peace on our little corner of the earth again.

Looking back on that Christmas, a lot has happened in our family since then. Six more grandchildren, a precious great-niece, the loss of my parents, laughter, tears... so many things.

As 2018 winds down, my overwhelming sentiment is one of extreme gratitude. I'm thankful for the family, with all of our quirks and craziness, that God has blessed me with. I'm thankful for our home and health, for a job that I love and am honored to do, for a country where, even with all its problems, I am free to pursue my dreams and practice my faith.

But most of all, I'm thankful for the baby whose birth we just celebrated. It's His life, death and resurrection that gives meaning to every other aspect of my life.

I hope your Christmas was wonderful and that the coming year will be your best yet. Thank you for welcoming *Grass & Grain* into your home every week.

May God bless you and yours in the year to come.

COWPOKES®

By Ace Reid



"Santa, all I can say is that it's a pity that one of yore reindeer had to go lame in Hoss Trader Wilbur's territory!"

DUST ON THE DASHBOARD

by Glenn Brunkow



All I wanted for Christmas is to be caught up. I know in the world of farming and ranching that is an impossible task. I just wanted to be at a point where I didn't feel hopelessly behind. In short, I wanted to be able to enjoy Christmas and not be like Thanksgiving where I was eating and running out the door to get as much time as I could in the combine. My number one wish was for harvest to be done by Christmas.

I am happy to report that the never-ending harvest of 2018 is in the books. For those of you who are still harvesting you have my sympathies and I feel a little guilty writing that I am done. I have to say that in my relatively short span of experience that this was the most difficult and frustrating harvest of my lifetime. We finished Saturday and I told Jennifer that I hoped this would be the harvest we tell the grandkids and great-grandkids about. For years they will hear me talk about the harvest of 2018 when we were in the field nearly up to Christmas. They will probably look at me the way I looked at Dad when he remembered a corn harvest that went into February. I guess it could be worse.

We slogged through the last of the soybeans a few acres at a time, getting out as early as I could to cut while the ground was still firm and frozen. That lasted until about mid-morning. I know many of you have suggested that I could have cut at night. That works fine if you have lights. Cutting in the dark in our fields would not be a great idea.

It came down to Saturday and I had the last four acres to cut. I know you are thinking, "Why didn't he cut them the day before?" Trust me when I say there was a very definite time when you quit or got stuck. In any case, I had four acres left, but Saturday was also the day I had finally scheduled the vet to come preg-check the cows. I also know that preg-checking was one of those things that should have been done in October or November. However, due to the rain and not being able to get the cows out on stalks, it had to wait until the middle of December.

That left a tough dilemma. How was I going to finish cutting the last four acres of beans, put the finishing touches on the electric fences and preg-check

the cows all at the same time? That was when I once again learned how well I had married and that I had raised a capable cow hand. Jennifer and Isaac assured me that they could get the preg-checking, sorting and hauling done with the help we already had coming. In fact, they seemed to think they might be better off without me. I hate to admit it, but they are probably right.

The finish to harvest went off without a hitch. Unless you count me hitting a corner post with the header and bending up a shield a hitch. I may have been a bit distracted. We took the bent shield off and finished the patch in no time flat. Next, I hurriedly worked to get fencers working and fence up before the cows started coming. My crew was amazingly efficient, and the loads of cows started before I had the finishing touches up. Fortunately, I did get all the gates closed and all the holes plugged.

In a perfect world we would have had the electric fences up soon enough the deer could get used to them. We would have also hauled cows out a little earlier in the day, so they would have had a full three or four hours of daylight to walk the perimeter and see the fence. Usually the illusion of an electric fence is all my old cows need. If they get shocked by the first fence, that usually keeps them in for a while at least.

Like I said, in a perfect world – and this fall was anything but perfect. I guess you could say it was the perfect storm maybe. The last load of cows came with the last little bit of daylight, I was a bit nervous to say the least. That night I made a couple of laps to check and thankfully found no cows out of place. In fact, the next morning I found the cows just a few yards from where they were turned out, happily grazing. I guess they were as relieved as I was.

I am not sure I have ever been so happy to have harvest done and the cows on stalks. The only thing I can compare it to is getting a nasty thorn out of your thumb. The relief offsets the memory of the pain it caused earlier and to say I was relieved would be an understatement. Christmas will be the best this year, I can finally enjoy the season. Best of all, I don't care what I get because the best present of all came early for me this year.

The Grass & Grain office will be closed Tuesday, January 1. Delivery of the paper will be delayed by at least one day due to the holiday.



GRASS & GRAIN
Published by AG PRESS

785-539-7558
Fax 785-539-2679

Managing Editor — Donna Sullivan
gandgeditor@agpress.com

— Advertising Staff —
Steve Reichert
agpress2@agpress.com

GRASS & GRAIN (USPS 937-880)
The newsweekly for Kansas and southern Nebraska, published each Tuesday at 1531 Yuma (Box 1009), Manhattan, KS by Ag Press, Inc. Periodicals postage paid at Manhattan, Kansas and additional offices. Postmaster send address changes to: Ag Press, Box 1009, Manhattan, KS 66505.

Subscription — \$76 for 2 years. \$41 for 1 year, plus applicable sales tax. Outside Kansas, \$51 for 1 year, \$95 for 2 years.

MEMBER OF
Associated Press

www.grassandgrain.com

Miss Rodeo Kansas party to be held, cont.

with a bachelor of science degree in apparel textile design and production. She designs custom western wear and does wood-burning, working with her aunt, Sara Prochaska, and Lazy P Creations in Ellsworth.

For the year 2019, she will crisscross the state and the nation, representing Kansas at pro rodeos such as Abbyville, Garden City, Longford, Dodge City, Cheyenne, Wyo., Rapid City, S.D., Pendleton, Ore., the RAM National Circuit Finals Rodeo in Kissimmee, Fla., and more. In December 2019, she will participate in the Miss Rodeo America pageant, with the goal of being crowned the Miss Rodeo America 2020.

Tickets for the coronation party must be purchased by January 1. Adult tickets are \$20; children ages twelve and under are \$10, and children four and under are free. Tickets can be purchased by emailing Wallace at missrodeokansas2019@gmail.com. More information can be found on Facebook (search for Miss Rodeo Kansas or Brooke Wallace).

Kansas Agriculture and Rural Leadership accepting applications for Class XV; next class marks 30 years of impact by KARL

Kansas Agriculture and Rural Leadership, Inc. is accepting applications for Class XV. KARL, Inc. is an intensive two-year program designed for those engaged with agriculture and rural Kansas.

"The overall goal for KARL is to further develop emerging leaders for Kansas. Those who want to be on the leading edge of decisions that impact agriculture and rural communities will benefit greatly from going through this program," said Jill Zimmerman, KARL president. "Graduates of the program become part of a network and have gone on to serve in legislative bodies, farm and commodity organizations, agribusiness, and their local communities, which is vital for the future of Kansas. Participants engage in a series of seminars throughout the state, in Washington, D.C., and through an international study tour."

Interest is expected to run high for the limited number of seats available in Class XV as KARL embarks on its 30-year anniversary in 2019.

The program got its start when in mid-1989, a group of individuals representing various segments of Kansas agriculture met to discuss the need and potential for an extensive educational program designed to build a leadership base for the state's agriculture and related industries. The first class of 30 participants began leadership development training in 1991. Since then, more than 400 participants have completed the program.

"That's kept Kansas out front in providing leaders who not only influence our communities and our state, but the agriculture industry both here in the U.S. and abroad," Zimmerman said.

Applications are due April 15, 2019. The online application and program participation details can be found at <http://karlprogram.com/class-xv-application-materials/>.

Finalists will be interviewed by a selection committee in May. The official class roster will be announced in June. Successful candidates demonstrate leadership potential and willingness to serve in decision-making roles upon completing the program.

The KARL program is a non-profit, educational organization dedicated to developing leaders for agriculture, business and rural communities, and is a member of the International Association of Programs for Agricultural Leaders (IAPAL), represented in 40 states and multiple countries. For more information about KARL, call Jill Zimmerman at 785-532-6300, email karl@ksu.edu or visit the KARL website at <http://karlprogram.com>.

Major retailers announce antibiotic policy in beef

Recently major retailers announced new standards regarding antibiotic use in meat animals.

McDonald's set new policies to reduce overall use of antibiotics important to human health which applies across 85% of the company's global beef supply chain. The company will monitor antibiotic use in its top ten beef sourcing markets and set reduction targets for medically important antibiotic use. Specifically, McDonald's will:

- Partner with supplying beef producers in the top ten beef sourcing markets to measure and understand current usage of antibiotics across a diverse, global supply chain.
- By the end of 2020, establish reduction targets for medically important antibiotics for those markets.
- Beginning in 2022, report progress against antibiotic reduction targets across the top ten beef sourcing markets.

Costco Wholesale also updated its animal welfare standards to include an antibiotic policy that

it says will limit the use of antibiotics important to human medicine in the company's meat and poultry supply chains.

Costco said it will work with its suppliers and producers over the next two years to develop and apply protocols for assessing compliance with this policy, which may include:

- Requiring the provision of certificates or affidavits by producers;
- Review of audits commissioned by producers and suppliers;
- Audits commissioned by Costco Wholesale; and
- Product testing.

Feeders PLUS LLC

HAY FEEDERS AND BUNKS

Calvin D. Wiebe
 (620) 242-6410 cell
 (620) 732-2143 home
calvin@feedersplusllc.com



See all our products at: www.feedersplusllc.com

5-S Livestock	Selden	785-386-8075
Tyler Kasl	Belleville	785-527-0753
Dan Brooks	Wamego	785-458-9504
Farmers & Ranchers Livestock	Salina	785-825-0211
Flint Hills Welding	Alta Vista	785-499-6469
Greg Vering	Marysville	785-562-7164
Midwest Farm & Dairy	Hutchinson	877-221-7221
Tim Deters	Baileyville	785-294-0523

AERIAL SPRAYING: Herbicide \ Insecticide \ Fungicide





(316) 882-1540
VersaAir.com



SINK, GORDON & ASSOCIATES LLP

PUBLIC ACCOUNTANTS

How will the "Tax Cuts and Jobs Act" affect you?

Our experienced tax professionals can give you year-end steps to help you save taxes.

Farm/Tax Planning & Preparation • Individual/Business Tax & Consulting
 Estate & Financial Planning • Accounting & Payroll Processing
 Certified Quickbooks Proadvisors

www.sinkgordon.com

MANHATTAN (785) 537-0190
CLAY CENTER (785) 632-2550
WATERVILLE (785) 363-2263
MARYSVILLE (785) 562-3858
HIAWATHA (785) 713-0962

Built with the farmer in mind. Today's and tomorrow's.



The future will expect more. More crop from less land. Pinpoint precision and management of every detail. The farmers of the future will have a legacy to live up to and tougher expectations to meet than any generation before them. They'll have to manage yields and compaction. They'll have to control losses in the field and everywhere else. And they'll have to put it in the bin clean.

The next-generation Gleaner features our new Vision™ cab with unparalleled control, comfort and convenience. With next-generation powertrain, SmartCooling™ and feeding, the Gleaner S9 Series is the perfect combine to make your farming legacy what you want. *You can learn more at gleanercombines.com or from your Gleaner dealer.*

THE NEXT GENERATION

GLEANER

AGCO • 4205 Silver River Parkway, Duluth, GA 30096 • www.gleanercombines.com

\$96 \$97 \$98

Mt. Hope & Winfield:
SCHMIDT & SONS, INC.
316-445-2103 • 620-221-0300

Linn:
KUHLMAN IMPLEMENT
785-348-5547

Minneapolis:
LOTT IMPLEMENT
785-392-3110

Marysville:
KANEQUIP, INC.
785-562-2377



KANSAS AG REPORT





Ken Rahjes, Host

For TV Show times check your local listings or watch at kansasagreport.net

Never miss an issue of

GRASS & GRAIN

Subscribe or renew today!

New Subscription _____ Renewal _____

Name: _____

Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Email: _____

Activate Online Edition? _____

Online Edition is FREE with purchase of Print Subscription; Email is required.

In-State Print Edition Rates:

1 Year; \$41 + sales tax _____

2 Years; \$76 + sales tax _____

3 Years; \$105 + sales tax _____

Call if unsure about total sales tax; varies by location. TAX MUST BE INCLUDED IN PAYMENT.

Out-Of-State Print Edition Rates:

1 Year; \$51 _____ 2 Years; \$95 _____ 3 Years; \$132 _____

Call for info about our 1st Class or Online Only rates

Check/Cash Enclosed: _____

or

Credit/Debit Card:
 Visa, Master Card, Discover, American Express

Expiration Date: ____/____/____

V-Code (3 digits on back of card): ____

Signature: _____

Mail to: P.O. Box 1009, Manhattan, KS 66505
 OR Stop by the office: 1531 Yuma St., Manhattan, KS 66502
1-877-537-3816

GRASS & GRAIN **Our Daily Bread**

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

The Final G&G Woman's Page Recipe Contest Winner For 2018 Is Lucida Anstaett
 Winner Lucinda Anstaett, Topeka: "These cookies were a big hit at our Thanksgiving gathering! Something a little different."

PUMPKIN CHEESECAKE COOKIES
 8 ounces cream cheese, room temperature
 1/2 cup butter, room temperature
 1/2 cup canned pumpkin
 1 1/2 cups granulated sugar
 1 teaspoon vanilla
 2 cups flour
 1/2 cup graham cracker crumbs
 1 1/2 teaspoons pumpkin pie spice
 1/2 teaspoon cinnamon
 1/2 cup graham cracker crumbs
 1/4 teaspoon pumpkin pie spice (optional)

Preheat oven to 350 degrees. In a large bowl stir together cream cheese, butter and pumpkin until smooth. Add in the sugar and vanilla. Stir well. Add flour, 1/2 cup crumbs, pumpkin pie spice and cinnamon. Carefully mix until it is completely mixed and smooth. Scoop into small balls and roll in remaining crumbs (with the 1/4 teaspoon pumpkin pie spice mixed in if desired). Place on parchment paper-lined cookie sheet and bake about 11 to 15 minutes. Remove from oven and slightly press down so they will be flat. Bake for 3 more minutes. Let cool and store in refrigerator. They are best when served cold like regular cheesecake.

Marilyn Sommers, Silver Lake:
ORANGE GELATIN SALAD
 3-ounce package orange gelatin
 1 package tapioca pudding
 1 package vanilla instant pudding
 1 small can mandarin oranges
 1 package Dream Whip
 2 1/2 cups boiling water
 Mix gelatin and both puddings into boiling water. Let cool (don't refrigerate). Drain and add oranges and prepared Dream Whip to mixture. Refrigerate.

NOTE: Liquid from oranges can be part of your boiling water.

Nancy Rhodes, Abilene:
SWEET SOUTHERN CORNBREAD
 2 cups cornbread meal
 2 1/2 cups white flour
 1/2 teaspoon salt
 2 teaspoons baking soda
 1/2 cup butter, room temperature
 1 1/4 cups brown sugar
 2 eggs, beaten

1 1/2 cups buttermilk or sour milk
 Preheat oven to 350 degrees. Sift dry ingredients together. In a separate bowl cream butter, brown sugar, eggs and milk. Combine with dry ingredients. Spoon into greased 9-by-13-inch pan and bake for 25 to 30 minutes or until knife inserted in middle comes out clean.
 TIP: Sour milk is 1 1/2 cups milk with 1 tablespoon vinegar; let set for 3 to 5 minutes.

JoAnne Breault, Wamego: "This is a great recipe that is not only delicious for a holiday meal, but is easy to prepare."
PORK TENDERLOIN WITH HERB CRUST
 1 boneless pork loin, with fat on (about 4 pounds)
 5 cloves garlic, minced
 2 tablespoons olive oil
 1 tablespoon salt
 1 teaspoon basil or 2 teaspoons fresh basil leaves
 1 teaspoon dried rosemary or 2 teaspoons minced fresh rosemary

1 teaspoon dried thyme or 2 teaspoons minced fresh thyme leaves
 5 tablespoons Dijon mustard
 Preheat oven to 475 degrees. Place pork loin on rack in a roasting pan. Brush the entire pork loin with Dijon mustard. Combine all other ingredients in a small bowl. Pat ingredients onto pork loin, covering all meat and fat. Place pork loin fat side up in roasting pan. Roast for 30 minutes, then reduce heat to 425 degrees and roast an additional hour. Test with instant read thermometer. When temperature reads 155 degrees remove roast from oven and let set for about 20 minutes before carving. The roast will continue to cook while it rests.

Kay Kruse, Hays: "Very good! Makes 1 gallon of salsa. Store in refrigerator."
FAVORITE SALSA
 Puree:
 2 can diced tomatoes
 1/2 onion, chopped
 2 to 3 cloves garlic, chopped
 2 small cans chopped jalapenos, drained
 Puree above ingredients together in a blender.

(6) 15-ounce cans tomato sauce
 3 to 4 pinches chopped cilantro
 Salt & pepper, to taste
 Garlic salt, to taste
 Place tomato sauce into a large pot. Add puree and stir together. Heat to a boil then simmer 15 minutes (be sure to stir once in a while). Add cilantro, salt, pepper and garlic salt. Let cool. Enjoy after refrigerated and cool.

Katrina Morgan, Americus:
VEGETABLE CASSEROLE
 15-ounce can French-cut green beans, drained
 15-ounce can white corn, drained
 1/2 cup chopped onion
 8-ounce can water chestnuts, chopped
 1 can cream of celery soup
 16 ounces sour cream
 1 cup grated Cheddar cheese
 Ritz crackers
 Layer green beans, corn, onion and water chestnuts

in a 9-by-13-inch pan. Mix celery soup and sour cream and spread over vegetables. Top with 1 cup cheese. Sprinkle on top 1 package crushed Ritz cracker crumbs. Bake in a 350-degree oven for 35 to 45 minutes.

Bernadetta McCollum, Clay Center:
A REAL GOOD COOKIE
 1/2 cup butter
 1 cup flour
 1/2 cup brown sugar
 2 eggs
 1 cup brown sugar
 2 tablespoons flour
 1/2 teaspoon baking powder
 1 1/2 cups coconut
 1 cup chopped nuts
 Combine the butter, flour and 1/2 cup brown sugar. Pat into the bottom of a 9-by-13-inch pan. Bake at 325 degrees for 20 minutes. Combine the eggs, 1 cup brown sugar, 2 tablespoons of flour, baking powder, coconut and chopped nuts. Spread over baked layer. Bake at 325 degrees for 20 minutes. Cool and cut into squares and enjoy!

Rose Edwards, Stillwater, Oklahoma:
SWEET POTATO BISCUITS
 2 1/2 cups flour
 1 tablespoon baking powder
 1 teaspoon salt
 1/3 cup shortening
 15 3/4-ounce can sweet potatoes, drained
 3/4 cup milk

In a large bowl combine the flour, baking powder and salt. Cut in shortening until mixture resembles coarse crumbs. In another bowl mash the sweet potatoes and milk. Add to the crumb mixture just until combined. Turn onto a floured surface and knead 9-10 times. Roll to 1/2-inch thick and cut with a 2 1/2-inch biscuit cutter. Place on an ungreased baking sheet. Bake at 425 degrees for 8-10 minutes or until golden brown. Remove to wire racks. Serve warm.

Janis Mickelson, Lyndon: "Doesn't this sound great after a busy day this time of the year?! I've had this recipe for many years. Enjoy!"
SLOW COOKER SUPPER
 1 can sauerkraut, drained & rinsed
 2 tablespoons white sugar
 3 or 4 Granny Smith apples, chopped
 6 red potatoes, cut in half
 4 or more bratwurst or any wurst
 Chicken broth for liquid
 Add all ingredients to slow cooker and cook on low for 7 hours. DON'T PEEK! Serve with a hot mustard.

Millie Conger, Tecumseh:
CRANBERRY CHICKEN ENCHILADAS
 2 1/2 cups shredded cooked turkey
 1 can black beans, rinsed & drained

1 cup shredded Colby/Monterey Jack cheese, divided
 1 can whole cranberry sauce, divided
 1/2 cup sour cream
 1 3/4 cups salsa, divided
 4 green onions, sliced
 1 teaspoon cumin
 1 teaspoon chili powder
 1/2 teaspoon pepper
 (8) 8-inch tortillas, warmed
 Preheat oven to 350 degrees. Combine turkey, beans, 3/4 cup cheese, 2/3 cup cranberry sauce, sour cream, 3/4 cup salsa, green onions, cumin, chili powder and pepper. Place 3/4 cup mixture on each tortilla. Roll up and place in a greased 9-by-13-inch baking dish. Combine remaining salsa and cranberry sauce and pour over enchiladas. Cover and bake 25 minutes. Uncover and sprinkle with remaining cheese. Bake until cheese is melted.

Kathleen Hogue, Topeka: "This one is exciting for sure ... a must try!"
GOLDEN FRUITCAKE



16 ounces vanilla wafers
 2 cups pecans
 1 cup milk
 16 ounces mini marshmallows
 8 ounces golden raisins

Line four 3-by-5-inch mini loaf pans with 12-inch strips of cling wrap. Finely crush wafers in a food processor in three batches. Place in a large bowl. Chop pecans in food processor in two batches to the size of tiny peas. Stir into wafer crumbs. Bring milk to a boil in a Dutch oven. Reduce heat, add marshmallows and stir constantly until melted. Stir in the raisins. Pour into wafer mixture and blend well. Spoon into loaf pans, gently press and seal cling wrap over the top. Keep refrigerated. Freezes well.

Darlene Thomas, Delphos, shares the following:
ORANGE & CIDER WINTER PUNCH
 1 cup sugar
 1 teaspoon cinnamon
 1 teaspoon allspice
 64-ounce bottle apple cider, divided
 12-ounce can frozen orange juice concentrate
 1 liter ginger ale, chilled
 1 orange, sliced
 In a small saucepan combine sugar, cinnamon, allspice and 1 cup cider; bring to a low simmer stirring until sugar is dissolved (about 2 minutes). Remove from heat and stir in orange juice concentrate. Transfer to pitcher. Stir in remaining cider

and refrigerate until cold (about 2 hours). To serve, transfer cider to a punch bowl; top with ginger ale. Garnish with orange slices and a large ice block.

Linda Kepka, Dorrance:
TURKEY DELUXE
 4 cups turkey (or chicken)
 3 eggs, beaten
 10.5-ounce can cream of celery soup
 4 cups broth
 1/2 teaspoon onion powder
 1/2 teaspoon pepper
 1/2 teaspoon salt
 1 1/2 cups grated Cheddar cheese
 4 cups crushed Ritz crackers (about 3/4-pound)
 Mix all ingredients together and bake in a 10-by-13-inch pan at 350 degrees for 1 hour.

Jackie Doud, Topeka:
DRESSING CASSEROLE
 1 1/4 pounds ground beef
 10 regular-size hamburger buns
 1 1/2 cups diced celery
 1 1/4 teaspoons ground thyme
 1 1/2 teaspoons ground sage
 3/4 teaspoon pepper
 1 1/2 to 2 cups chicken broth (more if needed to be moist)
 In a large mixing bowl tear buns into pieces and let dry. Fry ground beef and drain. Mix all together in casserole dish. Bake at 350 degrees for about 35 minutes.

Kimberly Edwards, Stillwater, Oklahoma: "Nice to put in bags for gifts."
PEANUT BUTTER SNACK MIX
 (2) 11-ounce bags small pretzels
 12-ounce package peanut butter chips
 7-ounce jar marshmallow creme
 1/2 cup butter
 4 tablespoons honey
 4 tablespoons milk
 6 cups confectioner's sugar, sifted

Place pretzels in a very large bowl. Stirring constantly, melt peanut butter chips in a medium saucepan over low heat. Add marshmallow creme, butter, honey and milk; stir until smooth. Pour peanut butter mixture over pretzels and stir until evenly coated. Coat pretzel mixture with sugar in batches. For each batch place 2 cups sugar into a large brown paper bag. Add 1/3 pretzel mixture, close bag and shake briefly. Spread mixture onto waxed paper. Cool completely. Store in an air-tight container. Makes about 23 cups snack mix.

CENTRAL KANSAS AG AVIATION
 Call to book your Service Lespedeza & Fall spraying needs!

 STEVE DONOVAN
 Cellular: 785-366-0513 • Office: 785-258-3649

Need Senior Insurance?
 * Medicare Supplement
 * Long Term Care
 * Final Expense
800-373-9559
PHILLIPS INSURANCE
 Jim- The Answer Man!

Prize for Dec. 25, 2018 & JANUARY 2019!
"Our Daily Bread" Recipe Contest Prize

Our Family Recipes Keepsake Organizer
 Pass down favorite recipes to your children or grandchildren with Our Family Recipes Keepsake Organizer. It includes pages for appetizers, soups, salads & sandwiches, side dishes, main courses, desserts and more. It also offers kitchen tips, cooking definitions, wine pairings and more.
 Has a pocket on the back cover. 6 1/4"W x 8 1/4"L. Hardcover, 144 pages.

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

UPCOMING AUCTION
JAMES MULLEN ESTATE REAL ESTATE & PERS PROPERTY 2-DAY AUCTION
 Household items at 411 E Walnut St Salina, KS Sat, Jan 5, 10 am House, appliances, vehicles, mower, motor scooter 856 Roach St, Salina Sun, Jan 6, 2 pm
 More information at www.soldbywilson.com
 Wilson Realty & Auction Service
 Lonnie Wilson 785-826-7800 Dave Hunt 785-201-5257

BARN BUILDERS DT CONSTRUCTION
 918-527-0117
 Free Estimates! All Workers Insured Est. 1977
One Year Warranty

 30x50x10 enclosed Galvalume \$9,100
 12' slider, 1 walk door...Colored metal \$10,100
 40x60x14 enclosed Galvalume \$16,100
 2 12' sliding doors...Colored metal \$17,500
 40x100x16 enclosed Galvalume \$24,600
 20' split sliding door...Colored metal \$26,600
 Price includes labor and material.
 www.DTCBarns.com

Kansas POWERTRAIN & EQUIPMENT LLC
785-861-7034
 1534 NW TYLER TOPEKA, KANSAS
 Complete Drivetrain Specialists • Drive Shafts Rear Ends and Heavy Duty Parts

Dorothy Bramlage Public Library and Munson's Prime Restaurant Present
PETERSON FARM BROTHERS LIVE!
7:30, Friday, January 18
C.L. Hoover Opera House
TICKET PACKAGES ON SALE NOW AT DBPL & MUNSON'S PRIME FOR \$50 EACH

 • Each package contains one ticket valued at \$25 and one \$25 gift card for Munson's Prime Restaurant.
 • Tickets also available for \$25 each upon purchase of one \$25 meal at Munson's Prime
 • Individual tickets will go on sale January 11 for \$40 each while supplies last.
 • All seating is General Admission.
 Moneys spent for the tickets portion of the package will be tax deductible and go towards the library building campaign.
 Dorothy Bramlage Public Library and Munson's Prime would like to recognize and thank the following sponsors:
 Harris Crop Insurance, LLC
 Geary Grain
 LISA EICKHOLT
 Smoky Valley Seeds • Flint Hills Ag Services - Vernon Bohn IronStone Wealth Advisors • State Farm - Karen Jameson Rawhide Corrals • Moyer Farms
 Geary County Convention & Visitors Bureau
 Bruna Implement Co. • Farm Credit • Ronnie Strauss

George, Shawnee:
CRANBERRY WHITE CHOCOLATE COOKIES
 1 cup butter
 3/4 cup sugar
 3/4 cup brown sugar
 2 large eggs
 1/3 cup cranberry juice
 1 teaspoon vanilla
 3 cups flour
 2 teaspoons baking powder
 1/2 teaspoon salt
 2 cups dried cranberries
 2 cups vanilla or white chips
Glaze:
 2 cups vanilla or white chips
 2 teaspoons plus 1 1/2 teaspoons shortening
 In a large bowl cream butter and sugars until light and fluffy. Beat in eggs, cranberry juice and vanilla. In another bowl combine the flour, baking powder and salt. Gradually add to creamed mixture and mix well. Fold in cranberries and vanilla chips. Drop by rounded teaspoonfuls 2 inches apart onto greased baking sheets. Bake at 350 degrees until edges begin to brown, 10-12 minutes. Cool for about 2 minutes before removing to wire racks to cool completely. For glaze microwave vanilla chips and the shortening at 70 percent power until melted; stir until smooth then drizzle over cookies. Makes about 7 dozen.

2 1/2 teaspoons garlic salt
 5 teaspoons hickory smoke salt
 Mix all ingredients well; cover and refrigerate for 3 days. Form into 3 rolls. Lay on broiler rack pan and bake 8 hours at 175 degrees. Cool and wrap in foil.

10 cups popped popcorn
 1 cup chopped pecans
 4 ounces white baking chocolate, coarsely chopped
 2/3 cup butter
 4 cups miniature marshmallows
 Combine popcorn, pecans and chocolate in a large bowl. In a medium saucepan melt butter over medium-low heat. Add marshmallows and stir constantly until marshmallows melt and mixture is smooth. Pour over popcorn mixture; toss until well-coated. Dampen hands and shape mixture into 2 1/2-inch balls. Cool completely on greased aluminum foil. Wrap each ball in plastic wrap.

refrigerate until ready to serve with chips. You can make half a recipe.

CROCK-POT BLACK-EYED PEAS & HAM
 1 1/2 pounds dried black-eyed peas, rinsed & soaked overnight
 4 cups water
 8 ounces smoked lean ham steak, cubed
 1 medium onion, chopped
 2 cloves garlic, minced
 1 or 2 cups green chilis, to taste as you like it
 1 1/2 teaspoons chili powder
 1 1/2 teaspoons pepper
 1 teaspoon cumin
 Soak beans overnight in a large bowl with 6-8 cups water. Drain the next morning. Add beans to slow-cooker. Add water, ham, onion, garlic, green chilis, chili powder, pepper and cumin. Stir gently to combine. Cook on high for 6 hours and check seasoning. Add in additional salt and other seasonings as needed. Keep cooking until ready to serve.



Home and Away

Wishes for a New Year

By Lou Ann Thomas
 Merry Christmas!! May your holiday celebration be filled with fun, family and friends and may the light and joy of this season extend well into the New Year.
 That's right, in less than a week we can bid adieu to 2018! I don't know how the year unfolded for you, but I'm not that sad to see the end of it. I'm looking forward to a fresh start that a new year offers. This last year held some challenges for me. That's not necessarily a bad thing, since it is usually life's challenges that prompt me to stretch and grow. I don't seem to use the jolly and fun times as fodder for personal growth in the same way as I use the times that feel like my world is wobbling a bit.
 Not only are the wobbles good teachers, but they also make me even more appreciative of having the opportunity for a fresh start in the New Year.
 So, here are some of my wishes for us all in 2019:
 First of all, may we be well. We've all heard that as long as we have our health, we have everything. In my younger days I thought that a bit too simplistic, but with time I understand the truth of this. As each year draws to a close there are always family and friends who

didn't make it to another new year, so good health is at the top of my list with the reminder to not take those I love for granted.
 May we all get plenty of sleep, exercise, laughter and chocolate. All are good for one's soul.
 May we always feel appreciated and accepted. And may that begin inside each of us so if someone else forgets or gets too busy to remind us, we'll already know we are unique and special.
 May we enjoy our own company. We, after all, are the person we spend the most time with every day so it makes those days much more comfortable when we like the constant companion with whom we share our life.
 May we have new adventures and opportunities to learn new things this coming year. We never grow too old to learn, to reach, stretch and have new experiences. It's exciting, even as it's challenging, to step out of our comfort zones and try something different or go somewhere we've never been before. Let's make 2019 a year of doing some of the things we've always wanted to do, but haven't.
 And lastly, may we all have enough - of everything, including love and support, true friends and comfortable shoes.

Lydia J. Miller, Westphalia, shares the following two cookie recipes:
MONSTER COOKIES
 12 eggs
 2 pounds brown sugar
 4 cups sugar
 3 teaspoons vanilla
 3 teaspoons white syrup
 8 teaspoons baking soda
 1 pound oleo
 3 pounds peanut butter
 18 cups oatmeal
 1 pound M&Ms
 1 pound chocolate chips
 Mix ingredients in order given in plastic dish pan. Scoop with ice cream scoop onto a cookie sheet, about 6 to a sheet. Bake at 350 degrees for 10 to 12 minutes. Yield: About 12 dozen large cookies.
 NOTE: There is NO FLOUR in this recipe.

MONSTER COOKIES
 3 eggs
 1 cup brown sugar
 1 cup regular sugar
 3/4 teaspoon vanilla
 3/4 teaspoon Karo syrup
 1/2 cup M&Ms
 2 teaspoons baking soda
 1/2 cup oleo
 1 1/2 cups peanut butter
 4 1/2 cups oatmeal
 1/2 cup chocolate chips
 Combine all ingredients and bake at 350 degrees for 10 to 12 minutes. Yield: 4 dozen cookies.

 Carolyn Peterson, Council Grove:

Lydia J. Miller, Westphalia:
FROZEN FRUIT SALAD
 1 large can peach pie filling
 1 large package frozen sweetened strawberries (in juices)
 1 large can crushed pineapple, undrained
 3 bananas, thinly sliced
 1 cup chopped pecans
 Mix all ingredients together and pour into bundt pan or 9-by-13-inch pan. Freeze solid 48 hours. To serve, remove pan from freezer and place in luke warm water several seconds. Turn onto plate or cutting board for cutting into 1-inch servings.
Topping:
 Whipped cream
 1 jar marshmallow creme
 8-ounce package cream cheese
 Top with whipped cream or combine marshmallow creme and cream cheese and mix well and use as topping.

 A couple more from Kimberly Edwards, Stillwater, Oklahoma:
EGGNOG FRENCH TOAST WITH CRANBERRIES
 2 eggs
 1/2 cup heavy cream
 1/2 cup milk
 1 teaspoon cinnamon
 1/2 teaspoon nutmeg
 3/4 cup pure maple syrup, divided
 4 slices Texas Toast bread
 2 tablespoons butter
 1/2 cup cranberries
 In a baking dish whisk eggs, heavy cream, milk, cinnamon and nutmeg with 2 tablespoons maple syrup. Soak bread in egg mixture for 2 minutes per side. In a large skillet cook bread in butter over medium-low until golden, about 4 minutes per side. In a saucepan simmer cranberries with remaining maple syrup over medium heat until berries begin to burst, about 5 minutes. Top French toast with cranberries. Serves 4.
 NOTE: You can double the recipe.

PEPPERMINT STICK ICE CREAM SAUCE
 1 1/2 cups finely crushed peppermint candies
 1 1/2 cups whipping cream
 7-ounce jar marshmallow creme
 In a saucepan combine all ingredients. Stirring constantly with a wooden spoon, cook over medium heat until smooth. Remove from heat. Pour into an airtight container and refrigerate. Serve chilled over ice cream or cake.

 And more from Millie Conger, Tecumseh:
WHITE CHOCOLATE POPCORN BALLS

Picky poinsettias? Not Really. The Festive Plants DO Like It Cool
 MANHATTAN — Nothing says winter holidays like a colorful poinsettia. A Kansas State University specialist says it's not hard to keep them looking healthy and bright through the season.
 "Modern poinsettia varieties stay attractive for a long time if given proper care," said Ward Upham, Master Gardener coordinator with K-State Research and Extension. He says:
 Place your poinsettia in a sunny window or the brightest area of the room, but don't let it touch cold window panes. The day temperature should be 65 to 75 degrees Fahrenheit, and 60 to 65 degrees at night. Temperatures above 75 will shorten bloom life, and below 60 may cause root rot.
 Move plants away from drafty windows at night or draw drapes between them to avoid damage from the cold.
 Poinsettias are somewhat finicky in regard to soil moisture. Avoid overwatering because poinsettias do not like "wet feet." On the other hand, if the plant is allowed to wilt, it will drop some leaves.
 Maintain proper moisture by checking the potting soil daily. Stick your finger about one-half inch deep into the soil. If it is dry to this depth, the plant needs water. When it becomes dry to the touch, water the plant with lukewarm water until some water runs out of the drainage hole, then discard the drainage water.

Are poinsettias poisonous?
 MANHATTAN — Despite rumors to the contrary, poinsettias are not poisonous, said Ward Upham, horticulture specialist with K-State Research and Extension.
 Though there may be an allergic reaction to the milky sap, Upham said, there has never been a recorded case of poisoning. This rumor has been so persistent that members of the Society of American Florists have sought to dispel it by eating poinsettia leaves for the press.
 In the 1985 American Medical Association Handbook of Poisonous and Injurious Plants, the poinsettia "has been found to produce either no effect (orally or topically) or occasional cases of vomiting. This plant does not contain the irritant diterpenes," which is the toxin in other members of the genus Euphorbia to which poinsettia belongs.

KBS A FULL LINE GRAIN HANDLING COMPANY
 KBS Agri Systems, LLC
 1-800-544-6530
 WWW.KBSAGRISYSTEMS.COM
 A member of the Custom Agri Systems family

Visit One Of These Quilt Shops TODAY!

Overbrook Quilt Connection
 A Full Service Quilt Shop!
 500 Maple (Hwy. 56) OVERBROOK, KS 66524
 Phone: 785-665-7841
 Quality Quilting Fabrics
 Patterns, Books & Notions
 Classes
 Mention this ad & receive a FREE GIFT!
 oqc@embarqmail.com
 www.overbrookquilts.com
 HOURS: Tuesday-Saturday 10:00 AM to 5:00 PM
 LIKE US ON FACEBOOK!

Quilters' Paradise
 713 8th Street, BALDWIN CITY, KS
 785.594.3477
 www.quiltingfabricsupply.com
 www.facebook.com/quiltersparadiseks

Need an extra copy of GRASS & GRAIN?
 Pick one up at any of our Box locations:

Dara's Fast Lane:
 - 5321 Tuttle Creek Blvd, Manhattan. KS -
 - 8811 US-24, Manhattan. KS -
 - 1132 Pillsbury Dr., Manhattan. KS -
Sharp's:
 - 118 W. Randolph St., Randolph. KS -
The Store:
 - 104 E Barton Rd., Leonardville. KS -

Chisholm Trail: - 507 SE 36th St., Newton. KS -
Bluestem Farm & Ranch: - 2611 W. Hwy 50, Emporia. KS -
Pioneer Farm & Ranch: - 427 NE 14th Abilene. KS -

Or Stop by the Grass & Grain Office:
 - 1531 Yuma St., Manhattan. KS -
Office Hours: Monday-Friday, 8am-5pm

Building Solutions You Can Trust
 "Experience the Difference"

K-Construction
 Pre-Engineered Wood Frame Metal Buildings
 Check us out online or Call us today for a FREE ESTIMATE!
Your Building. Your Dream. Your Way.
K-Construction Inc.
 Alta Vista, KS
 785-499-5296
 www.k-constructioninc.com

TIFFANY CATTLE CO., INC.
 A Complete Cattle Feeding & Marketing Service
 Family Owned & Operated
 Tiffany Cattle Company is excited to announce the acquisition of a new location in McPherson county! Now with a total capacity of 32,000 head we are looking forward to providing multiple feeding and marketing options to our existing and new customers in both locations. With pen sizes of 50 to 200 head, we are equipped to service customers of any size.
Production Services
 Objective is simply: Least Cost Per Pound of Gain! Ration formulation and cost analysis, health program designed and maintained by veterinarian, special pens and attention to sick animals, feed financing and cattle purchasing available.
Marketing Services
 Marketing finished cattle is top priority at Tiffany Cattle Company. You have the option of selling on the cash market, forward contracting or grid pricing through multiple Kansas packers.

Tiffany Cattle Company
 1333 S. 2500 Road
 Herington, KS 67449
 (785) 258-3721

Tiffany Cattle West
 758 Pioneer Road
 Marquette, KS 67464
 www.tiffanycattle.com

Shawn Tiffany
 (785) 229-2902
 shawn@tiffanycattle.com

Shane Tiffany
 (785) 466-6529
 shane@tiffanycattle.com

Kansas NRCS signs wetland restoration with Prairie Band Potawatomi Nation

The U.S. Department of Agriculture's Natural Resources Conservation Service (NRCS) Kansas state conservationist, Karen A. Woodrich; Prairie Band Potawatomi Nation (PBPB) tribal chairman, Joseph Rupnick; and U.S. Department of Interior's Bureau of Indian Affairs (BIA) superintendent, Antoinette Houle, recently signed a 30-year contract which allows for the restoration of degraded wetlands on PBPB Tribal land. This contract is the first of its kind in Kansas where

the PBPB, BIA, and NRCS restore degraded wetlands on Tribal land, and provide for the management of the wetland, wildlife and related cultural significance of the restored wetlands on a long-term basis. According to Jamie Johnson, NRCS District Conservationist, Holton, approximately 30 acres will be restored and then protected and managed for the contract life through the NRCS's Agricultural Conservation Easement Program-Wetland Reserve Easement (ACEP-WRE). "NRCS places special

emphasis on working with tribes and building tribal partnerships; we are excited for the opportunity to work with the Prairie Band Potawatomi Nation to restore their wetland," said Johnson. After an initial meeting, NRCS conservation planners, including Johnson, walked the PBPB property to evaluate the condition of the wetland, associated floodplains and uplands, and discussed their goals. NRCS's ACEP-WRE addresses former or degraded wetlands that have been used to produce food



Pictured from left are Prairie Band Potawatomi Nation Tribal Chairman, Joseph Rupnick; Department of Interior's, Bureau of Indian Affairs Superintendent, Antoinette Houle; and Department of Agriculture's, Natural Resources Conservation Service Kansas State Conservationist, Karen A. Woodrich signing a 30-year contract to restore degraded wetlands on PBPB Tribal land.

thankful for the opportunity to return this portion of land back to its natural wetland condition and for the area's high potential to provide environmental education," said Joseph Rupnick, PBPB tribal chairman. "We look forward to having our youth and the community visit the site and experience direct learning about the unique attributes a wetland provides for water resources and the environment. Over the long-term, the restoration will provide a tribal land preserve. The preserve is envisioned to offer recreational, cultural, and educational opportunities which can enhance the quality of life for tribal citizens," he said.

Woodrich added, "Protecting these lands preserves America's heritage, natural resources, and open space." Easements are also important tools for people who are trying to improve the management of their land. This partnership with the Prairie Band Potawatomi Nation is instrumental in achieving greater wetland acreage and maximizing benefits to the tribe and local community," she concluded.

and fiber, where the hydrology has been significantly modified and will be substantially restored. NRCS will work with the PBPB to develop the wetland restoration plan. Wet-

lands are one of nature's most productive ecosystems providing many ecological, societal, and economic benefits. "The Prairie Band Potawatomi Nation is

TALLGRASS COMMODITIES

"Big Enough to Deliver. Small Enough to Care."

Tallgrass Commodities
420 Lincoln St.
Wamego, KS 66547

785-494-8484
Call Today For All Your Feed Needs!

GRASS & GRAIN

FARM TUFF New, Remanufactured and Recycled Ag Replacement Parts

AbileneMachine
Ag Replacement Parts

It's Time for Winter Repairs

Give your cab an update and ask your salesperson about our Quik-Fit Cab Upholstery Kits

- Seats & Cushions
- Glass
- Doors
- Roofs
- Lights
- Fenders
- Step Kits
- Upholstery Kits
- ... and More!

Seat & Suspension Assembly

Update Your Ride to a ...

GRAMMER

For John Deere®
7200, 7210, 7400, 7410, 7500, 7510, 7600, 7610, 7700, 7710, 7800, 7810, 8100, 8110, 8200, 8210, 8300, 8310, 8400, 8410

Toll Free: 800-255-0337 • www.AbileneMachine.com • See Us on Facebook

Crownline Hay Beds

Starting At \$4195 Starting At \$6695

Cattle Feeders

- Direct drive enclosed motor
- 6" auger • 10 ga. metal
- Sliding lid • Digital counter
- Optional auto. chute
- Powder coat paint

22"(1100lb.)- \$1850 32"(1500lb.)-\$1950
42"(2100lb.)-\$2050 *In Stock*

DIAMOND L SUPPLY
White City, KS • 785-466-6495

LIVESTOCK SERVICES AT KANSAS STATE UNIVERSITY



Our team provides routine and specialty veterinary care for all livestock species.

On-Farm

- Herd-health programs
- Calf processing
- Breeding soundness exams
- Pregnancy diagnosis
- Reproductive services

Hospital

- Advanced diagnostics
- Lameness evaluation
- Specialty care
- Surgery
- Neonatal intensive care

24-hour Emergency Care

Helping livestock producers reach their health and production goals while teaching the next generation of veterinarians is our passion.



Contact us today for assistance with your operation's health program or to make an appointment.

1800 Denison Avenue
Manhattan, KS 66506
785.532.5700
www.vet.k-state.edu/vhc
facebook.com/VeterinaryHealthCenter

Veterinary Health Center

AT KANSAS STATE UNIVERSITY

K-State Soybean Production School scheduled for January 16

Corn might be considered 'king' in many commodity crop discussions, but it could be said that soybeans pay the bills. Case in point from the 2019 Kansas State University Farm Management Association cost return budgets: the return on 145 bushels per acre corn: (\$2.35)/A. The return on 45 bushels per acre soybeans: \$14.45/A. It's not a lot of difference, but it's the difference between profit and loss.

What if there were things we could tweak a little further to make that soybean crop even a little more profitable? That's the focus of the nine K-State Soybean Production Schools scheduled throughout the state in late January. Sponsored by the Kansas Soybean Commission, our north-east Kansas event will be held on Wednesday afternoon/evening January 16th at the Northeast Kansas Heritage Complex south of Holton.

Registration will begin at 3:00 p.m. at the fairgrounds located at 12200 214th Rd. (two miles south of Holton on Highway 75 to 214th Rd. and one quarter mile west on the south

side of the road). The program will start at 3:30 with a rapid-fire overview of all things soybeans from multiple K-State Research and Extension specialists. Grain marketing economist Dr. Dan O'Brien will share an overview of his observations of the soybean market. Dr. Doug Jardine, Extension Plant Pathologist, will give an update on diseases of importance to soybean pro-

ducers, followed by a team presentation on agronomic factors that might be limiting soybean production from KSU cropping systems specialist Dr. Ignacio Ciampitti and Northeast Area Extension agronomist Dr. Stu Duncan.

Dr. Dorivar Ruiz-Diaz, KSU soil fertility specialist will discuss soil fertility considerations important to soybean production, and we'll wrap up the eve-

ning with everyone's favorite soybean challenge: weed control. Dr. Dallas Peterson, K-State Research & Extension weed specialist will discuss weed control challenges – and solutions – during the supper session. We'll wrap up the evening around seven with questions for

the presenters. Your evening meal is provided courtesy of the Kansas Soybean Commission. There is no cost to attend, but participants are asked to pre-register by January 9th to allow for meal arrangements. You can do so by contacting the Holton Office of

the Meadowlark Extension District at (785) 364-4125 or via e-mail to David Hallauer at dhallaue@ksu.edu. Online registration is available at K-State Soybean Schools (<http://bit.ly/KSUSoybean>). Please contact them for questions or further details. Hope to see you there!

QSI YEAR END SAVINGS
Quality Structures, Inc.



Now through December 31st

First Time Ever!
SAVE \$1.00 Per sq. ft.*
Off your building price!
*Excludes lean-to's and porches.

Build a 30x40 → Save \$1,200
Build a 40x60 → Save \$2,400
Build a 60x80 → Save \$4,800

**THE BIGGER THE BUILDING,
THE MORE YOU SAVE!**

qualitystructures.com • 800-374-6988

WHEN YOU'VE SHOWN THE WORLD WHAT WORKS, THERE ARE BOUND TO BE SOME IMITATORS.

For over 50 years, Case IH and KanEquip have left the competition with some pretty big tracks to fill. But in the rush to keep up, there are a few things the copies have missed. KanEquip offers a **FULL PARTS DEPARTMENT** and **CERTIFIED TECHNICIANS**.

YOUR PARTNER BEFORE & AFTER THE SALE



KanEquip.com Your Partner and Full Service Dealership

Ottawa, KS 785 • 242 • 1463
Wamego, KS 785 • 456 • 2041

CASE IH
AGRICULTURE

Val 6 Infrared Heater

SUNLIGHT WARMTH Val 6's Radiant heat penetrates evenly and directly into surfaces just like sunlight.

EXCELLENT FOR INDOOR & OUTDOOR USE Val 6 is not affected by wind as forced air heaters that suffer from heat loss in the ambient air.

HEAT TRANSFER Val 6 generates infrared heat directly to the object without any air movement creating a dust-free environment.

ODORLESS Val 6's combustion system produces no odor and no smoke while running.

ENERGY SAVINGS State of the art combustion chamber enables virtually 100% fuel to energy conversion.


QUIET Produces very little noise which makes it more desirable to work around.

PORTABLE Take it anywhere you need heat. Will run off of a 12 volt battery (with optional inverter).

FUEL Runs on Kerosene or Diesel Fuel

3 Sizes to choose from • 100% Satisfaction Guaranteed • Sales & Service • Delivery Available

HEARTLAND AG SUPPLY • LINN, KANSAS
Cell No. 785-747-7850 Day or Night




2019 Topeka Farm Show

Kansas Expocentre, One Expocentre Drive, Topeka, Kansas

January 8th, 9th & 10th

FREE HORSE TRAINING CLINICS
in Domer Arena with Scott Daily

Tuesday 12:30 PM & 3:30 PM
Wednesday 1:00 PM & 6:00 PM
Thursday 11:30 AM & 2:30 PM

Celebrating

30

YEARS

Kansas Soybean Expo 2019
Wed. - January 9th, 8:30 AM

Free Parking
Free Admission

Shawnee & Osage County Farm Bureau
free well water nitrate testing

Hoyt's Truck Center is giving away a free Midsota Dump Trailer
Sign up in Domer Arena

REGISTER TO WIN

midland GENETICS

"Built by Family...
Backed by Performance"

50 units of Soybeans
treated with our
Edge seed treatment

Approximate value \$3475

Free Health Care

For a list of the services provided, or information about the time schedules, check our website at

www.tradexpos.com
or call 800-949-3976

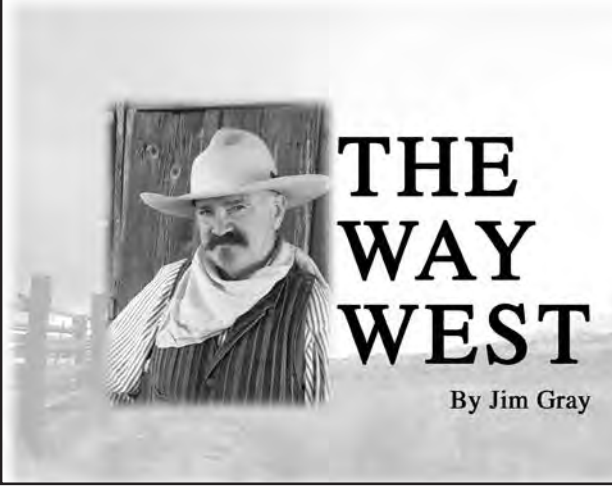
SHOW HOURS

Tuesday 9 AM - 5 PM
Wednesday 9 AM - 8 PM
Thursday 9 AM - 4 PM

Don't miss any of this show!
It's located in:

DOMER ARENA
LONDON ARENA
EXHIBITION HALL

For more farm show information call Tradexpos 800-949-3976 or visit our website at www.tradexpos.com



THE WAY WEST

By Jim Gray

Over the Ratons

On Christmas Day, 1867, Frank Blue fired the shot that started The Christmas Day War at Trinidad, Colorado Territory. The fight arose out of ethnic tension between the original New Mexican (Hispano) settlers and the Anglo-Americans who were aggressively overwhelming the settlers. Frank Blue killed his man, was arrested, escaped, and ultimately took refuge with other Americans in a hotel. The locals, led by their sheriff, surrounded the hotel but Blue again escaped, leaving Trinidad behind. Military martial law finally brought order to town in late January, 1868. Trinidad's Dr. Michael Beshoar treated the wounded from both sides and noted, "It was a case of bad booze and bad blood." Frank Blue seemed to disappear from sight. No mention was made in the reports that he was ever brought to justice for shooting a man to death, or for his part in inciting the riot that swelled to the infamous Christmas Day War.

gina Kingsley mentioned Frank Blue in her book, *South By West*, published in 1874. During the winter of 1871-72 she joined her brother Maurice in Colorado Springs. "One of our daily excitements is the arrival and departure of the coach, and taking the new arrivals on to Pueblo, Maxwells, or Santa Fe in New Mexico." Kingsley was completely "taken" by the sight of the coach "with its four splendid bays, standing in front of the office." She completed the scene, "The horses held by two men, a third with the reins ready; the 'messenger' stowing his mail-bags safely away; the passengers bundling in for a period of misery of varying length. When all is ready, and not till then, out walks the great man, in yellow blanket coat, and hat securely tied down with a great comforter. He mounts the box, arranges himself leisurely; the messenger is beside him, wrapped in buffalo robes; then the reins are put in his hand, and as he tightens them, away go

the horses with a rush that takes one's breath away." Late in December, 1870, the year before Rose Kingsley had arrived, Maurice had occasion to take the stage "over the Ratons." At the station on the other side of the mountains a change in drivers brought him face to face with Frank Blue. Over "some steaming beef-steaks" Blue told Maurice the next forty miles would probably be one sheet of ice, and that was on top of what was already "the roughest piece of road in Western America." Being the only passenger, Maurice jumped up on the box-seat next to Blue, while the messenger, Dutch Sam, crawled into the coach to take a "snooze." In five seconds the mules "lay themselves down" and with a tremendous plunge the stage was on its way. The road was dry and easily traveled all the way to the summit, but the calm night suddenly turned furious as a piecing cold blast struck them from the freezing north wind. Deep snow covered the road ahead. Before beginning the decent the wheels were tied with ropes to help brake the stage. Suddenly Sam's heels flew up in the air, and down he fell "on the broad of his back." With a laugh Blue shouted, "Jump on board! I'm going to run 'em down!" Maurice crawled inside the stage with Sam and in another second the stage was sliding over a sheet of ice at twelve miles an hour "on a gradient of one foot in ten." An abrupt jolt, and a half-choked groan from one of the mules, followed by a half-smothered curse

from Frank Blue was not a good sign. One of the mules was down on her side with the stage careening down the frozen slope! With uncommon dexterity, Blue drove the stage into a snowdrift. Maurice ran to calm the leaders while Sam caught the harness of the downed mule. On Blue's orders Maurice swung the leaders across the road to give the mule room. She struggled and fell before she could regain her feet. The team lunged, and Maurice fell hard. With a second try Maurice again went down, but this time the mule kept her feet! Maurice and Sam loaded up and they were on their way. A half-mile down the way the same mule lost her feet and before they could stop, they had dragged her thirty or forty yards. Over the next mile she fell several more times, but the team and that poor mule finally pulled into the station at the bottom of the pass. When she was inspected "not a single hair" was left on her left side "from the point of her ear to the root of her tail," and in places the skin had come off. Frank Blue dryly observed, "But anyway, she's only a mule." And sure enough, a year afterwards Maurice found the same mule in harness ready as ever to take him over the Ratons on The Way West. "The Cowboy," Jim Gray is author of the book *Desperate Seed: Ellsworth Kansas on the Violent Frontier, Executive Director of the National Drovers Hall of Fame. Contact Kansas Cowboy, P.O. Box 62, Ellsworth, KS 67439. Phone 785-531-2058 or kansascowboy@kans.com.*



The old year ends, the new begins. Our only constant is change. It was Frank's idea that I cohost *Around Kansas*. I didn't know Frankie C. that well; our paths had crossed many times, and we had some of the same circles of friends, but we had never worked together. I don't know why he had gone down the list of qualified folks and had run out of names. Anyhow, I got the call. The show has evolved over the years. At first, Frankie or I would pick a topic and focus the show on that topic, and we were solo. I think it was my idea for the opening chats where Frankie and I truly became cohosts. That's how we got to know one another and those times were the most fun. Often folks would comment, "You and Frankie must have the best time!!! You are so funny!!!" In reality, those times we sat down together were the only times we spent together. We were simply too busy outside the show to hang out. But those times were a treasure! Frankie is eternally good-natured, smart, funny. Sometimes, Frankie became my straight man. Often, Frankie and I and

our camera man Michael would be laughing so hard we had to stop taping and restart. We used to try to sign off together... We'll see you somewhere Around Kansas, except my timing was never right so finally we decided upon Frankie's saying, "We'll see you somewhere, and then I joined him in the chorus of *Around Kansas*. When I moved to western Kansas, frequent trips to Topeka became problematic and Frankie did the show opens alone. Oh, how I have missed him! Now Frankie has decided it is time to retire. I don't know anyone who has earned retirement more than Frankie but he leaves a void on our TV screen and in our hearts. Frank has spent his career in the media - radio, television, and then advertising. He has been a true professional - his integrity is unquestioned. I can honestly say he is the most decent man I have ever known. I speak for everyone at AGam when I say that truly every moment spent with you, Frank, has been a pleasure. We all wish you happiness in this new adventure. I hope you won't mind, Frankie, that every now and then we share a rerun of one of your segments, or of the two of us, just for old times sake, and just because it was so much fun, and just because we miss you. We'll be seeing you, Frankie, somewhere Around Kansas. Deb Goodrich is the co-host, along with Frank Chaffin, of *Around Kansas TV Show*. She also serves as the *Garvey Historian in Residence at Fort Wallace Museum*. Contact her at author.debgoodrich@gmail.com.

HAPPY HOLIDAYS!

Post Frame Buildings
Residential Slab Homes
Metal Roofing

call us Today!

40' x 60' x 12' BUILDING
3 - 10' x 10' Overhead Door
1 - 36" Steel Entry Door
1 - 3' x 3' Single Hung Window
4" Concrete Floor

All for \$37,900.
Price is good through Dec. 2018
Exterior Concrete is not included in the price.

YUTZY
1-800-823-8609

Tell them you saw it in Grass & Grain!

RANCHERS: OWE 2018 TAXES?

GOBOB PIPE & STEEL
Cattle Equipment qualifies for **SEC. 179**

FIND OUT MORE:
GoBobKansas.com (866)-287-7585

Since 1954
GRASS & GRAIN

Subscribe today at **785-539-7558** or online at **grassandgrain.com**

- Classifieds
- Our Daily Bread
- Baxter Black
- Yard & Garden Tips
- Auction Listings
- Special Issues

Wednesday, January 9, 2019 • Topeka
Maner Conference Center (SW 17th St. & SW Western Ave.)
No registration fees, thanks to the soybean checkoff!

8:30 a.m. Registration & exhibits
9 a.m. Welcome
9:15 a.m. Kansas Soybean Commission partner updates

- Oklahoma Department of Transportation waterways program
- North Central Soybean Research Program

10:15 a.m. Keynote address - Bob Farmer, Farmers' Almanac
11:30 a.m. Luncheon (limited seating in Heritage Hall)

- Master of ceremonies - **Tom Brand**, executive director, National Association of Farm Broadcasting
- Featured speaker - **Rep. Lynn Jenkins (invited)**
- Awards & recognitions, including 2019 Young Leaders**
- Kansas Soybean Association Annual Meeting

1:30 p.m. Kansas Soybean Yield & Value Contests results
2 p.m. K-State Research & Extension updates

- "Increasing the Rate of Genetic Gain for Yield in Soybean-breeding Programs" - **Bill Schapaugh, Ph.D.**, soybean breeder
- "Dicamba: A Look Back & a Look Ahead" - **Dallas Peterson, Ph.D.**, weed-science specialist
- "Soybean Price Outlook: How Low for How Long?" - **Joe Janzen, Ph.D.**, assistant professor of agricultural economics

3:45 p.m. Reception
Meet Kansas Soybean Association & Kansas Soybean Commission leaders
<http://KansasSoybeans.org/expo> • 877-KS-SOYBEAN (877-577-6923)

Preregister by Jan. 2, 2019, to guarantee your seats at lunch & be eligible for the early-bird prize drawing.

The Kansas Soybean Expo is a project of the Kansas Soybean Association, the voice & advocate for Kansas' 15,000 soybean farms, with checkoff funding from the Kansas Soybean Commission.



SUN UP TO SUN DOWN AND EVERY FIELD IN BETWEEN, WE'VE GOT YOU COVERED.

You need a tractor that fits the way you farm. Case IH tractors are designed with you in mind. With horsepower ranges from 65 to 140, and a variety of rugged, reliable models - Farmall® C series, Farmall® 100A series, Farmall® U series or the Maxxum® series tractors - they are ready to handle farmstead chores, all day long. And, every Case IH tractor offers a best-in-class operator environment to help make your long day in the field seem shorter. No matter what you want to accomplish, Case IH makes a tractor that's right for your operation and budget. To learn more, visit us at caseih.com.

Bruna Implement 5 Kansas Locations
www.brunaimplementco.com

SEE US TODAY!

Straub International 7 Kansas Locations
www.straubint.com

Rossville Truck & Tractor Rossville, KS 785-584-6195

CASE IH AGRICULTURE

Feed the soil, feed the body: a biologist's odyssey into the microbial world

By Tom Parker

Anne Biklé's journey into the hidden world of microbiomes began in the least likely way possible: house-hunting. Actually, yard-hunting. In Seattle. To hear her tell it, the house was practically secondary, nothing more than a place to decompress while she transformed a boring patch of lawn into a lavish and intricate vegetable community, some edible, some not. The house she and her husband, David Montgomery, finally settled on fit all her basic requirements: four walls, roof, big yard.

It was built in 1918 by, Biklé suspected, Norwegians. "Norwegians did not come from a gardening race," she said. "Norwegians left us a hodgepodge of a yard. It looked green, but it wasn't biologically interesting or rich." Biklé, a biologist, is all about biology, and an unbroken expanse of sod was a violation of the natural order. With the meticulousness of an architect, she set out to draft a botanical blueprint. She schemed and dreamed, drew diagrams, charted the sun's trajectory, and improvised dozens of composites of photographs and texts that littered the house. They looked like ransom notes from crazed botanists, Montgomery said.

And then they ripped up the sod. The underlying soil wasn't dark and friable; it was khaki-colored concrete. Technically, it consisted of bits of Canada scraped off by a mile-high wall of ice, bulldozed down over the Puget lowlands, and compressed into a hardpan nearly impossible to sink a shovel into. There wasn't a single worm in it.

"This was the beginning of my education as a gardener in what I call the Organic Matter Chronicles," she said. She bought a wheelbarrow and painted it with flames to make it look speedier. In retrospect, she said, she should have painted it with micro-organisms.

Biklé's chronicle, which eventually expanded into a book, *The Hidden Half of Nature: The Microbial Roots of Life and Health*, was shared in a keynote address at the Kansas Rural Center's annual Food and Farm Conference, held November 16-17 in Wichita. Other speakers included her husband, a geologist, who expanded on the history of soil and its relationship to the demise of ancient civilizations, while Biklé honed in on the soil biome and the human gut biome.

Most of the world's life-forms are hidden from view. They burrow beneath the ground in incomprehensible numbers, they swarm beneath our skin in an intricate choreography that can enable, enhance or destroy life. Some are visible to the naked eye; the rest require specialized equipment.

Microbiomes are the one-celled microbial community found in every living entity, Biklé said. They're native to a particular soil or host organism, whether human, dog, wombat, oak, or dandelion. Yeasts that ferment grapes into wine or milk

into yogurt are one-celled organisms, and so, in some senses, are mushrooms. Because their cells are not completely closed off from one another, their cytoplasm flows like a river throughout the entire fungal body, making them a single-celled organism spreading both above and below ground.

Even the dirt in Biklé's yard had its own unique microbiome, though to be sure there wasn't much of it. For her to have a successful garden, she would have to build that microbiome, in essence to create a healthy living soil teeming with micro-organisms from a foundation uncannily similar to beach sand. She needed organic matter, and lots of it.

Anything she could get her hands on went into the mixture: wood chips fuzzy with fungi, fresh leaves, grass clippings, coffee grounds, pine needles, zoo doo (animal waste from the zoo), worm compost. That first summer the soil started changing in color, darkening to a light mocha. Each succeeding year it grew darker still, and more pliable, too. She planted a forest of maple trees and flowers and vegetables radiating outward from a small lawn. An ec-lawn, she called it, harvesting the grass clippings for the nitrogen. Within a geologic fraction of a second—ten years, in human terms—the soil took on a life of its own. It wasn't as fertile as Midwestern soil, but it was growing at a pace that far outstripped anything in nature.

"It takes nature about 100 years to build an inch of soil," she said. "Who'd have thought you could change soil that rapidly? I thought I was doing all the heavy lifting, but what was really doing the work was soil organisms."

Witnessing it firsthand led her deeper into the world of microbiomes, and she began to glimpse their importance not only for plants and agriculture, but for people and medicine and health. Though humans aren't rooted in the soil, their bodies have at least one microbial cell for each of their own, and in some cases as many as three. Adding the genes we inherited from our parents, the bacterial members of our microbiome, and all the rest, it's estimated that our bodies contain between four to six million genes. "Suddenly, we're not who we think we are," she said. "That's either creepy or it's kind of cool, or maybe it's both."

The field of the human microbiome has exploded over the past 20 years, and new discoveries have led to a revised view of our digestive system that sounds a lot like plant biology. Our bodies are an ecosystem unto themselves, and its heart is the large intestine, or colon. Everything we eat ends up there, which makes the colon a nutrient-rich, all-you-can-eat buffet for microbes. Most members of the body's biome live in a thick layer of mucus lining the interior of the colon. Most of the body's immune system cells and tissues, on the other hand, are wrapped around the outside of the colon. A complex system

of interaction between the biomes and the immune system either keeps the system in balance, or sends it wildly out of control.

"We should be thinking of gardening our gut, because it is an ecosystem after all, and we know the kinds of things the critters inside that system are after," she said. "And when they do well, we do well. This is our internal landscape."

Scientists know that what affects our genes and our environment influences our health and well-being. They charted a decrease in infectious and chronic diseases in the postwar years following the introduction of clean water, antibiotics and vaccines, while at the same time noting an increase in other infectious diseases from 1950 until the present time. They theorized that some of our microbes were missing. But why?

The inappropriate use of antibiotics certainly contributed, Biklé said, but something else was responsible, something not so obvious. The culprit, they discovered, was our diet.

Most food contains carbohydrates, composed of fiber, starch and sugar, which the body breaks down into simple sugars, the main source of energy for the body. Modern people consume about the same amount of carbohydrates as their ancestors did in 1910, but back then carbohydrates derived primarily from whole plants or grains. Now they're "busted up," Biklé said, processed into various forms of component parts, and our digestive system can't process them as well. The end result is that few nutrients ever make it down to the microbiome, and the microbiome goes hungry. Many scientists believe that our modern diet of high-carb processed foods is responsible for the explosion of Type 2 diabetes cases.

"We know that it matters what we eat," she said, "but we don't know what the role is in the agronomic system that produces those foods." Biklé and Montgomery are currently researching that topic for another book.

The subject of microbiomes is infinitesimally deep and complex, and it doesn't help that micro-organisms are tiny and small and full of surprises. "Just when you think you have them figured out, some new piece of information comes along and throws your world upside-down," Biklé said. To keep it simple, she suggests, it helps to remember that our bodies are no different than the soil or the plants. Our gut is our root system, and when it's well, we're well.

"There are only six words you need to remember," Biklé said. "Mulch your soil inside and out. That's what it all comes down to."

Grass & Grain Area Auctions and Sales

Sealed Bid Land Auction (bids accepted until Dec. 27 @ 3 pm CST) — 4 Tracts, 472 Ac. +/- Reno County land located at Nickerson. Contact National Land Realty, Rusty Riggan.

December 26 & 27 — Retirement farm machinery auction online at www.brunaauctions.com & www.auctiontime.com. Auctioneers: Bruna Auctions.

December 29 — Tractors, combine, trucks, trailers, farm machinery held Northeast of Overbrook for Faust Farms. Auctioneers: Cook Auction Company & Wischropp Auctions.

January 5, 2019 — Collectibles inc. tobacco items, milk jars, hand planters, advertising & more, pedal tractors, vintage toys, comics, vintage fishing items inc. reels & rods, plugs & lures, glassware & misc. at Lawrence for Steve & Jo Ellen Kasson. Auctioneers: Elston Auctions.

January 5 & 6, 2019 — Estate real estate (house) & personal property including appliances, vehicles, mower, motor scooter auction at Salina for James Mullen. Auctioneers: Wilson Realty & Auction Service.

January 8, 2019 — Real Estate Auctions: (1) 3 BR/1.5 BA home w/14 acres of pasture & cropland; (2) 3BR, 2BA walkout rancher with 124 acres of pasture & cropland held at Lyndon. Auctioneers: Sanders Auctions, Coldwell Banker Griffith & Blair, Inc., Jim Sanders.

January 9, 2019 — 312 acres m/l of Marshall County farmland, grass, hay ground, waterways & timber held at Frankfort for Kennedy Trust. Auctioneers: Joe Horigan Realty & Auction.

January 10, 2019 — 567 acres m/l of grassland in Pottawatomie County, 3 tracts by multi-parcel held at Randolph. Auctioneers: Gene Francis & Associates, Real Estate Brokers & Auctioneers.

January 10, 2019 — Special Bred Cow & Heifer Sale held at Beatrice, Nebraska for Beatrice 77 Livestock.

January 12, 2019 — Advertising, signs, vintage toys, lots of collectibles, candy containers, JD pedal tractor, die cast toys & much more at Benton. Auctioneers: Sundgren Auction, Jeremy & Joe Sundgren.

January 12, 2019 — Signs & collectibles including toys, glassware & more at Salina for Bob Thorup. Auctioneers: Thummel Real Estate & Auction, LLC.

January 12, 2019 — Vehicle, trailer, lanterns, cast iron items, knives, 1900s Match Book Collection, wood planes, collectibles & primitives at Lawrence for Darrell Shuck Living Estate. Auctioneers: Elston Auctions, Mark Elston & Jason Flory.

January 13, 2019 — Furniture, collectibles including an original patent applied automatic drop corn planter with papers & much more at Salina. Auctioneers: Thummel Real Estate & Auction, LLC.

January 13, 2019 — Furniture, glassware, tools, household, etc. at Osage City. Auctioneers: Wischropp Auctions.

January 19, 2019 — Neon lighted signs & clocks, advertising signs inc. 70+ porcelain, flange double sided, single side porcelain & more, collectibles inc. pedal tractors, advertising oil cans of all sizes, coin banks, 40+ vintage sports felt pennants held at Lawrence. Auctioneers: Elston Auctions.

January 26, 2019 — Advertising, juke box & coin op machines, clocks, thermometers, antiques furniture & collectibles, tools & more at Salina for Duff Dolton. Auctioneers: Thummel Real Estate & Auction, LLC.

January 26, 2019 — 240 acres m/l of Nemaha County farmland, pasture & timber w/wildlife habitat held at Corning for Clarence J. Hochard Trust. Auctioneers: Cline Realty & Auction, LLC.

February 3, 2019 — Art & Indian collectibles inc. oil paintings, woodblocks & lithographs by Prairie print makers & Kansas artists & more, advertising & collectibles held at Salina. Auctioneers: Thummel Real Estate & Auction,

LLC. February 9, 2019 — Farm toys & related collectibles, mostly John Deere at Osage City for Ed & Mina Slusher. Auctioneers: Wischropp Auctions.

February 16, 2019 — Vehicles, tractors, machinery, collectibles & more held South of Hunter at Ash Grove, KS for Phyllis & Tony Cheney Estates. Auctioneers: Thummel Real Estate & Auction, LLC.

February 21, 2019 — 150 acres m/l of Dickinson County farmland, Smoky Hill River Bottom held at Abilene for Ruth E. Bernard. Auctioneers: Reynolds Real Estate & Auction Co.

March 2, 2019 — Farm machinery, iron, tools & misc. held South of Chapman for Loren Peck. Auctioneers: Kretz Auction Service.

March 5, 2019 — 31st Annual Lyons Ranch sale held at the ranch (Manhattan) for Lyons Ranch.

March 7, 2019 — Hereford bull sale held at Courtland for Jensen Bros.

March 14, 2019 — 18th Annual Sale held at the ranch in Manhattan for BJ Angus Genetics.

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

March 16, 2019 — (Rescheduled from Dec. 1) — Real Estate & personal property at Maple Hill for Dan & Judy Burdach. Auctioneers: Murray Auction & Realty.

LAND AUCTION

568 acres +/- of grassland
Pottawatomie County, Kansas

Thursday, January 10th at 7:00 pm
Senior Center, 109 S. Front St, Randolph, KS

568 acres +/-, 3 tracts by multi-parcel
Grassland, rolling terrain, timber, wildlife habitat, ponds & creek

TRACT 1 — 33 acres +/-: The West Half of the Southeast Quarter of Section 19, Township 7 South, Range 7 East, Pottawatomie County, Kansas lying East of the Centerline of Wyandot Road.

TRACT 2 — 212 acres +/-: The West Half of the Southeast Quarter of Section 19, Township 7 South, Range 7 East, lying West of the Centerline of Wyandot Road and the West Half of Section 19, Township 7 South, Range 7 East, Pottawatomie County, Kansas lying South of the South right of way line of K-16 Highway.

TRACT 3: 325 acres +/-: The West Half of Section 19, Township 7 South, Range 7 East of the Sixth Principal Meridian, Pottawatomie County, Kansas lying North of the North right of way line of K-16 Highway less a 24.9 acre tract (brief legal) and NW 1/4 and the E 1/2 SW 1/4, Section 18, Township 7 South, Range 7 East, Pottawatomie County, KS and part of Section 13, Township 7 South, Range 6 East, Pottawatomie County, KS (brief legal).

DIRECTIONS: From Olsburg, travel approximately 3.25 miles west on Highway 16 to Tract 1 at the southeast corner of Wyandot Rd., Tract 2 on the south side of Highway 16 and Tract 3 approximately 3.5 miles west on the north side of Highway 16.

GENE
FRANCIS
& ASSOCIATES
REAL ESTATE BROKERS & AUCTIONEERS

Lori Rogge • Broker & Auctioneer
785.556.7162 • lori@genefrancis.com

see www.genefrancis.com for full auction flyer

AUCTION #2

SATURDAY, JANUARY 5, 2019 — 9:30 AM
2110 Harper, Dg. Fairgrounds, Bldg. 21 — LAWRENCE, KS
This is Second Auction for the Kasson's as they have sold their Farm.

COLLECTIBLES
'50s Red & Yellow Chrome Kitchen Dinettes w/matching chairs (Very Nice Sets!); Sewing Rockers; Cast Iron #11 Salesman Stove; "Corn King" Sandwich wooden corn sheller; David Bradley size enamelware washer; "Rush Park Seed Co." wooden box; KU Theatre Seats; 1969 KU decanter; ATSF RR safety kit; RR lantern; Santa Fe RR oil can; Wyeth fuel can; RR nail display; hanging & produce scales; wash boards; **Tobacco Items:** Tuxedo glass jar, Dan Patch, Lucky Strike, Horse Shoe Solace, scales; brass hose nozzles (Fire); Midjet duster; hand dusters; Cross Country Broadcast Lawn Seeder (Salesman Sample); hay hooks; feed scoops; Gem Dandy Electric Churn w/cow; Dandy churn; pickle jars; colored jars of all sizes; **Milk Jars:** Fritzel/Pigg/Law. Sanitary. Many others of all sizes!!; milk wooden & metal crates; produce baskets; letter/number stamps sets; wood planes; Stanley metal levels; wooden box tap/die & reamer sets; **20+ Hand Planters:** Little Giants/Kohler, etc.; Sodbury Soil Test kit; wooden snow sleds; KS license plates; **Advertising:** Remington, Winchester, Browning oil cans, Standard Garden Dust, Royal Knicks, Firestone, Monkey Grip, Mobil, Handy oil, JD 4-Leg, 100s of advertising pens; wash boards; Bloomfield French Fryer cutter.

100+ VINTAGE TOYS
Pedal Tractors: Flyer Jet, JD 20 Model D-65 Tractor, JD 520 Tractor, Murry Tractor; Nylint Michigan Model T-24 Crane (Rare!); **1950/60's John Deere:** 2 row-corn picker, 4-manure spreaders, 12A full type combine, plows, etc.; **True Scale:** Cater Model Wagon W/box, Tractor w/loader, square baler; pull type combine, hay elevators, gravity boxes; NIB JD 430/70 Row Crop/D/3010 Tractors, JD crawlers Yellow & Green; 2-Pink Tonka Jeeps; Buddy L Wrecker; Lunar Power Grader; 2-Nylint Ford Broncos (Rare!); **Cast-Iron:** Mule & Cart, Two 2-Horse Fire Trucks, 1 Horse Milk & Ice Wagons, 2 horse Fire Patrol, 2 Horse Covered Wagon; **Fisher Price:** "Western Town" w/box, "Play Family", "Main Street", Airport, Farmhouse, pull types; **Lunch Boxes:** Gunsmoke, Grizzly Adams, Adam-12; **100+ Comics.**

VINTAGE FISHING
1930s Lucky Two In One Floater minnow bucket; Tack-L-Toter minnow bucket; AL. Foss Pork Rind Minnow tin; **100+ Reels & Rods:** #1893 Pflueger Akron, Shakespeare, Marhoff 1964 & 1797, Zebco 707, Johnson, Many More!; **100s Plugs/Lures:** Heddon, River Runt, Bomber, South Bend, Bass, ORENO, Jit-terbugs, Wooden, Many More!!; River rods; Wooden & Bamboo rods; file knives; Fishing tackle of all sorts!

GLASSWARE/MISC.
50+ pieces of Moon & Stars Red Amberina pitchers, compotes, relish, ash trays, goblets, lamp, butter, etc.; Aladdin Model B lamp; oil lamps; pink & green Depression glass; McCoy bowl; Fireking; 2 Pyrex Primary Refrigerator Sets; **Pyrex:** Friendship, Spring Blossom, Daisy, Gooseberry; 100+ Enamel Ware Pieces of All Colors; Quilts/Afghans; Wilton cake pans; **MANY ITEMS TOO NUMEROUS TO MENTION!**

AUCTION NOTE: Steve & Jo Ellen have lived on the Farm that was homesteaded in the mid-1890s & is the former childhood home site of Leo Beuerman. Leo was the little man that sold pencils from a little red cart in Downtown Lawrence in the '50s & '60s! Very Large Auction & 2 Auctions Rings Part of The Day! Many Rare Items!

SELLER: STEVE & JO ELLEN KASSON
*** Join us for Our 25th Year Serving Your Auction Needs!!
Complementary Refreshments & Raffles All Day! ***
Concessions: Worden Church Ladies

Auctioneers: ELSTON AUCTIONS
Mark Elston & Jason Flory • (785-594-0505) (785-218-7851)
"Serving Your Auction Needs Since 1994"

Please visit us online at www.KansasAuctions.net/elston or www.FloryAndAssociates.com for 150+ pictures!

LAND AUCTION

WEDNESDAY, JANUARY 9, 2019 • 10:00 AM
Auction Location: American Legion, 708 N. Locust
FRANKFORT, KANSAS

East 1/2 3-5-9, 312 acres +/- Marshall County, KS
312 Taxable Acres.

LAND LOCATION — From Frankfort: 4 miles South on Hwy. 99 to Zenith Road then 1/2 mile East, property is on the North side of Zenith Road.

FSA Information (estimated):
• 124.85 DCP crop acres
• 123.94 reported planted in 2018
• Estimated base acres of 117.36
• Wheat 50.52 acres w/39 bu yield
• Grain Sorghum 38.05 acres with 111 bu yield
• Soybeans 28.8 acres with 28.79 bu yield
• Enrolled in PLC

★ Rural water and one energy free waterer, one pond.
★ 124 acres planted 2018, remainder grass, hay ground, waterways, and timber.
★ 2018 taxes were \$3,022.07

Opportunity to buy a good stock farm with the possibility of more crop acres. Crop, grazing & hunting opportunities!

SELLER: KENNEDY TRUST

Terms & Conditions: 10% down day of auction. Sale is not contingent upon financing. Closing on or before February 25, 2019. **Possession** at closing subject to present tenants rights (Present tenants have approximately 14 acres of wheat planted, tenants will have right to harvest wheat. Wheat is 100% tenants). Remainder of land is open for 2019. **Seller shall retain Royalty Rights of 35%** of the gross revenues from any development or use of the property for wind, solar, mineral or other non-agricultural use of the land for 30 years. **Buyers will be responsible for building part of a north boundary fence.** 2018 taxes paid by Seller. All 2019 paid by Buyer. 2018 crops and USDA payments will be retained by Seller. Title insurance will be split 50/50. Property selling as is, where is. Make all inspections and inquiries before auction. Seller nor Auction Company is making any warranties, expressed or implied. **Joe Horigan Realty & Auction Co. is acting as an agent for the sellers and not as an agent for the buyer.** Not responsible for accidents. Statements made day of sale take precedence over any other information.

Auction by: Joe Horigan Realty & Auction Company
Joe Horigan, Auctioneer • 785-250-5148
www.jhorigan.com

REAL ESTATE AUCTION

240 Acres, m/l, of Nemaha County Farmland,
Pasture & Timber w/Wildlife Habitat
SATURDAY, JANUARY 26, 2019 — 1:30 PM

AUCTION LOCATION: The Corning Community Center,
CORNING, KANSAS

PROPERTY LOCATION: 3 miles south of Corning, KS on Ks. Hwy. 63 to 24th Rd., then 1 mile west to "K" Rd., then 1 3/4 mile south on the west side.

LEGAL DESCRIPTION: The Southeast Quarter and the East Half of the Southwest Quarter of Section 27, Township 5 South, Range 12 East of the 6th P.M., Nemaha County, KS. This property consists of 240 acres, M/L, of which 83 acres are being farmed. Of the 83 acres, 55 acres are Red Vermillion River bottom acres. The balance of acres includes 101 acres of mix grass pasture with a large pond, wildlife habitat and 56 acres of hardwood timber with riverbed. This property has excellent wild turkey and deer hunting potential.

For more info or viewing, please call John E. Cline 785-532-8381

TERMS: The Seller requires 10% down day of sale with the balance to be paid, upon closing, on or before February 26, 2019. Possession to be, upon closing. Buyers and Seller to equally split the title insurance and closing costs of the Nemaha County Title and Abstract Company. Statements made sale day take precedence over printed material. Sale subject to seller's confirmation. **Cline Realty & Auction, LLC represent the Seller's interests.**

SELLER: CLARENCE J. HOCHARD TRUST

Auction Conducted By: **CLINE REALTY & AUCTION, LLC**
ONAGA, KANSAS • 785-889-4775
John E. Cline, Broker-Auctioneer, 785-532-8381
www.mcclivestock.com/clinerealty



A Christmas Tree

A Christmas tree is one of those things
Like popcorn balls or angel wings
That children make in the snow.

Things with beauty unsurpassed
That touch our lives but never last
More than a week or so.

It shines from every living room
Like someone in a bright costume
That's happy to see you drop by.

And in a world that never slows down
To see their lights all over town
Warms you up inside.

And it's nice to get to know one well
To know each tinsel and jingle bell
That often as not don't ring.

I can stare at the lights

and never stop
Look back at the angel on top
And imagine he can sing.

Even the scraggiest Christmas tree
Seems to have some dignity
Guarding the gifts below.

But all the ones I've seen up close
Seem to be smiling and acting the host
To all who say hello.

Sometimes I think, if I were a tree
The most that I could hope to be
Is one of those wonderful pines.

That gets to spend a week with friends
When even a grown-up kid pretends
That all the world is fine.

www.baxterblack.com

2019 Kansas Corn Management Schools scheduled

Kansas Corn is partnering with K-State Research and Extension to offer winter learning sessions for Kansas corn farmers. Kansas Corn Management Schools will be held in January at Salina, Oakley and Lawrence, and Pre-Plant Schools will be held in February at Parsons, Hesston and Garden City. The one-day schools, to be held in western, central and eastern Kansas, will feature information targeted to each area. Participants will have the opportunity to hear the latest research and production information, hear updates on corn issues and enjoy lunch and networking. These sessions are free for farmers to attend and staff is working to ensure CCA credits are available.

"The schools will cover a number of issues facing corn producers in each region including: weed control, crop production practices, markets, nutrient management and soil fertility, insects, irrigation and disease management. These events have a long-standing tradition and reputation in offering a solid set of topics of great relevancy to our corn growers across the state of Kansas," said Dr. Ignacio Ciampitti, associate professor and corn specialist in the Department of Agronomy, Kansas State University.

Kansas Corn director of industry relations Stacy Mayo-Martinez said participants will hear from a variety of speakers including other farmers.

"At the January Corn Schools, we will feature farmers from each area who will talk about how they are incorporating various technologies and practices. At the Hesston, Garden City and Oakley schools, local farmers and

specialists will talk about lessons and opportunities with irrigation tools and other technologies."

The school and lunch are offered at no cost, but participants are asked to pre-register before Jan. 3 for the January schools and before Feb. 4 for the pre-plant schools. Farmers can register online at ksccorn.com/cornschool, by phone by calling Kansas Corn at 785-410-5009, or at their local extension offices.

More information and agendas for each school are available online, ksccorn.com/cornschool

KDA announces Riparian Quality Enhancement Initiative

The Kansas Department of Agriculture-Division of Conservation announces the Riparian Quality Enhancement Initiative (RQEI) to provide financial assistance for the enhancement of riparian areas. This initiative will be made available to designated areas within the Delaware River, Stranger Creek, Little Arkansas River and Rock Creek Watersheds. Riparian areas are the vegetation and habitats along rivers and streams.

This initiative will support practices that provide new alternative water sources, increase riparian fencing, and enhance the riparian area. Projects will receive 80 percent cost share, with a limit that varies based on the type of project; funding will be through the Riparian and Wetland Protection Program. The streams that have been targeted for this initiative were selected because they are labeled as Total Maximum Daily Loading

(TMDL) for E. coli or fecal coliform bacteria by the Kansas Department of Health and Environment. All areas that are part of a producer's grazing system are eligible for cost share — pasture, range and cropland — so long as livestock have access to the riparian area for water or shelter.

Interested producers should consult with their Conservation District or the USDA Natural Resources Conservation Service to submit a project proposal. All applications for the RQEI will be due by Feb. 15, 2019, and successful applicants will be notified by March 15, 2019.

For a full list of practices that can be included in the RQEI initiative, a map of the targeted watersheds, and additional program guidance, along with a link to contact information for Kansas Conservation Districts, go to agriculture.ks.gov/Riparian.

Farmers & Ranchers AUCTIONS EVERY MONDAY & THURSDAY

Selling Hogs & Cattle every Monday

RECEIPTS FOR THE WEEK TOTALED 5,351 CATTLE & 101 HOGS.

STEERS		HEIFERS	
300-400	\$173.00 - 188.00	40 blk	Wakefield @1475.00
400-500	\$170.00 - 184.00	14 blk	Sedgwick @1475.00
500-600	\$160.00 - 174.00	9 blk	Little River @1475.00
600-700	\$142.00 - 158.00	10 blk	Mahaska @1450.00
700-800	\$135.00 - 149.00	18 red	Minneapolis @1425.00
800-900	\$131.00 - 146.25	40 blk	Wakefield @1425.00
900-1,000	\$128.00 - 148.35	24 blk	Mahaska @1400.00
		HEIFER PAIRS	
300-400	\$162.00 - 177.00	5 blk	Tescott @1800.00
400-500	\$145.00 - 169.00	9 blk	Tescott @1800.00
500-600	\$134.00 - 147.00	5 blk	Glen Elder @1575.00
600-700	\$129.00 - 144.00	COW/CALF PAIRS	
700-800	\$128.00 - 144.25	8 blk	Salina 3-4 @ 1825.00
800-900	\$124.00 - 139.00	5 red	Osborne 3-5 @ 1750.00
900-1,000	\$112.00 - 127.00	2 blk	Osborne 3-5 @ 1750.00
		8 blk	Salina 3-4 @ 1750.00
		3 red	Salina 3-5 @ 1735.00
		3 blk	Tampa 3 @ 1725.00
		9 blk	Glendale 4-6 @ 1685.00
		16 blk	Salina 3-4 @ 1685.00
		3 blk	Salina 3-4 @ 1675.00
		3 blk	Salina 3-5 @ 1660.00
		2 bwf	Salina 3-5 @ 1635.00
		2 char	Osborne 3-5 @ 1550.00
		10 mix	Smolan broke @ 1050.00
		BRED COWS	
		6 blk	Overbrook 3-4 @ 1760.00
		11 blk	Overbrook 3-4 @ 1750.00
		34 blk	Gypsum 3-5 @ 1725.00
		18 blk	Overbrook 3-4 @ 1710.00
		24 blk	Gypsum 3-5 @ 1710.00
		35 red	Clafin 3 yrs @ 1700.00
		61 blk	Overbrook 3-4 @ 1610.00
		13 red	Clafin 3 yrs @ 1610.00
		22 blk	Westmoreland 3-5 @ 1585.00
		11 blk	Salina 3-5 @ 1535.00
		5 blk	Westmoreland 3-5 @ 1475.00
		10 blk	Westmoreland 3-5 @ 1460.00
		15 blk	Bennington solid @ 1410.00
		6 mix	Smolan 6-7 @ 1300.00
		6 mix	Meridan broke @ 1000.00
		18 mix	Bennington broke @ 950.00
		17 blk	Bennington broke @ 900.00
		11 mix	Smolan broke @ 900.00

THURSDAY, DECEMBER 20 FEEDER SALE:

STEERS		HEIFERS	
6 blk	Ellsworth 362@188.00	5 mix	Ellsworth 322@177.00
2 blk	Salina 425@184.00	25 mix	Ellsworth 418@169.00
11 mix	Clyde 479@183.00	11 mix	Ellsworth 400@163.00
15 blk	Ellsworth 518@174.00	19 mix	Ellsworth 486@163.00
6 blk	Tescott 546@171.00	4 blk	Assaria 353@161.00
6 blk	Inman 526@171.00	29 mix	Clyde 490@154.50
33 mix	Clyde 567@168.50	4 blk	Glasco 595@147.00
16 mix	Lorraine 556@166.00	3 mix	Abilene 507@147.00
11 blk	Ellsworth 579@163.00	10 char	Tescott 741@144.25
5 mix	Tescott 574@163.00	18 blk	Hope 724@144.25
20 blk	Oak Hill 662@158.00	12 mix	Ellsworth 563@144.00
7 blk	Inman 600@158.00	15 blk	Geneseo 664@144.00
4 blk	Geneseo 610@158.00	4 blk	Canton 736@143.50
7 blk	Galva 666@149.00	12 mix	Lorraine 548@143.00
7 blk	Assaria 712@149.00	4 blk	Salina 743@142.50
67 blk	Whitewater 904@148.35	15 mix	Assaria 702@141.75
43 blk	Oak Hill 725@148.00	36 blk	Hope 662@141.50
60 mix	Hope 922@148.00	8 mix	Inman 627@139.00
12 blk	Oak Hill 825@146.25	7 blk	Canton 804@139.00
63 blk	Abilene 878@145.50	3 red	Ramona 608@139.00
25 blk	Assaria 894@145.25	3 blk	Culver 780@138.00
65 mix	Hope 886@144.60	8 blk	Newton 800@135.00
52 mix	Assaria 923@144.00	63 blk	Leoti 1032@130.00
		10 blk	Manchester 899@129.00
		2 blk	Manchester 933@127.00
		7 blk	Newton 912@127.00

MONDAY, DEC. 17 CATTLE & HOG SALE:

HOGS		BABY CALVES	
1 sow	Brookville 815 @ 33.25	1 bwf	Glendale 230@450.00
2 sows	Jewell 593 @ 32.25	1 red	Randolph 280@335.00
10 sows	Abilene 572 @ 32.10	1 blk	Smolan 185@300.00
		1 blk	Smolan 220@285.00
		BULLS	
		1 blk	Beloit 1960@71.50
		1 wf	Salina 2035@70.00
		1 char	Chapman 2180@70.00
		1 blk	Salina 2215@69.00
		1 blk	Little River 1840@68.00
		1 blk	McPherson 1855@68.00
		COWS	
		3 blk	Longford 1593@70.50
		4 blk	McPherson 1614@70.50
		1 char	Lost Springs 1790@70.00
		1 YE	Solomon 1675@70.00
		2 blk	McPherson 1545@70.00
		3 blk	Wells 1660@69.50
		1 blk	Beloit 1775@68.50
		1blk	Bavaria 1635@68.50
		1 red	Bennington 1720@68.00
		1 red	Glasco 1670@67.00
		2 blk	Solomon 1558@66.50
		1 blk	Hutchinson 1700@66.00
		1 bwf	Glasco 1695 @ 66.00

TUESDAY, DECEMBER 18 SPECIAL COW SALE:		BRED HEIFERS	
24 bwf	Davis, OK @1550.00	33 blk	Mahaska @1525.00
15 blk	Minneapolis @1485.00	32 blk	Mahaska @1485.00

IN STOCK TODAY:

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

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211
MONDAY — HOGS & CATTLE
Hogs sell at 10:30 a.m. Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

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

AUCTIONEERS: KYLE ELWOOD, ANDREW SYLVESTER & GARREN WALROD

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

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

UPCOMING SPECIAL SALES:
SPECIAL COW SALES
• TUESDAY, JANUARY 15 • TUESDAY, FEBRUARY 19
• TUESDAY, MARCH 19 • TUESDAY, APRIL 16
• TUESDAY, MAY 7

WEANED/VACCINATED SALES
• TUESDAY, JANUARY 8
• TUESDAY, FEBRUARY 5
All Special Sales START AT NOON!

OTHER SPECIAL SALES:
★ Monday Evening, March 4th: Don Johnson Angus Sale
★ Saturday, March 23rd: New Frontier Bucking Bull Sale
★ Saturday, May 18th: Spring Spectacular Horse Sale

Our FIRST SALE OF 2019 will be Thursday, January 3rd!

EARLY CONSIGNMENTS FOR THURSDAY, JANUARY 3:
65 steers and heifers long time weaned fall vacc bunk broke 750-800; 220 black steers and heifers 2nd vacc weaned 650-750; 25 black steers weaned 60 days home raised 2nd vacc no implant 700; 55 steers and heifers home raised fall vacc weaned 50 days 600-750; 24 heifers 700; 60 steers 800; 40 steers long time weaned home raised vacc 650-750; 60 heifers long time weaned home raised off wheat vacc 650-750; 90 black/CharX steers and heifers weaned 75 days home raised vacc 500-700; 40 steers and heifers weaned Oct vacc 600-700; 102 black steers no sort 850; 150 steers and heifers home raised long time weaned vacc 600-700; 15 steers and heifers home raised long time weaned vacc 500-700; 20 steers and heifers weaned 60 days 2nd vacc 600-700; 69 mostly black heifers 2nd vacc open 775; 61 steers 875-900

EARLY CONSIGNMENTS FOR TUESDAY, JANUARY 8, WEANED/VACC SALE:
12 red steers 700; 16 steers bunk broke home raised 550-650; 10 steers and heifers 2nd vacc weaned 120 days 450-600; 12 black steers and heifers weaned Nov vacc bunk broke 600-700; 75 black steers and heifers home raised 2nd vacc weaned 60+ days 600-700; 40 black steers and heifers weaned Oct McCurry Angus sired 2nd fall vacc 550-600; 30 black heifers 650-800; 60 black steers and heifers 500-600; 80 black heifers long time weaned 650; 35 black/BWF steers and heifers 700-900; 183 black steers home raised off wheat 3rd vacc 650-750; 50 steers and heifers home raised 650-800; 75 Sim/AngusX steers and heifers open 600-800; 120 black Sim/Angus steers and heifers cattle trace tags 600-700; 50 black steers and heifers weaned Sept 600-750; 45 black steers and heifers long time weaned 2nd fall vacc 600-750; 105 steers and heifers 500-650; 34 steers and heifers 500-700; 100 black Sim/Angus steers and heifers home raised 750-900; 44 mostly black steers and heifers weaned 60 days fall vacc 600-700; 78 black steers and heifers weaned Oct 25th Johnson Angus sired 575-700; 70 Red Angus steers and heifers 800-900; 65 steers and heifers long time weaned fall vacc bunk broke 750-800; 41 steers and heifers 2nd vacc weaned 90 days 650; 160 black steers 700-800; 140 black heifers 700-800; 210 black steers and heifers 550-750; 240 black steers and heifers 550-650; 135 Black Sim/Angus steers 700-800; 112 steers and heifers 550-700; 200 black/BWF/Red steers and heifers 550-700; 11 steers and heifers 600-750; 32 black steers and heifers 700-800; 115 steers and heifers home raised off cover crop; 75 Angus/Red Angus sired steers and heifers weaned Nov; 105 Angus/Red Angus sired steers and heifers weaned Nov; 155 steers and heifers 600-800; 20 steers and heifers weaned 60 days home raised 600-700; 60 steers and heifers 600-700.