# RASS&GRAIN

AGRICULTURE'S LOCAL NEWSPAPER

Published by AG PRESS

66th Year

No. 44

December 29, 2020

\$1.00

# Abilene Machine celebrates 40 years in ag parts business

The autumn of 1980 found 29-year-old Randy Roelofsen and his friend Loren Engel solving problems for the ever-changing agriculture industry. In the early '80s, farmers were facing lean times, as many factors were driving the prices of commodities as well as land value down.

As any farmer knows, despite these challenges, harvest must go on.

One of the many virtues that farmers are known for, especially during dark financial times, is thrift. Randy, who grew up on a farm and had also seen the inside of the salvage industry, had an idea that would connect old tractor parts with new users.

Recycling good used tractor and combine parts not only helped farmers stretch their budgets - it proved to be a business venture with legs. Taking root along Old Highway 40 between Solomon and Abilene, Randy and Loren grew their endeavor with hard work, a bit of good luck and the kind of gohard attitude that growing up as a farm boy instills.

Todd Roelofsen, Randy's nephew, joined the salvage parts and equipment resale operation in 1981. Eight years later, the business officially became Abilene Machine.

By 1990, the team was 50-strong. As the company grew and more employees joined the team, many things changed. But, one thing remained the same from day one.

"We think family all the way up and down the ranks. I preach that to my people," Randy said. "I'm proud of our outstanding team. They work tirelessly to ensure that every time a customer interacts with Abilene Machine, they receive the highest level of service and satisfaction."

In the early days, Todd saw opportunity to expand their operation.

"When I first started, I was the only parts guy," he said. "We kept getting calls for the same used parts. At times, we would sell our entire supply of certain used parts."

Rather than send customers away, the team found ways to rebuild old parts and even manufacture some new ones, leading to the company's



The Abilene Machine main warehouse and headquarters at 407 Old Highway 40, in Solomon, Kansas was built in 2005, after a fire destroyed the business' management, sales and accounting departments, and one used parts warehouse Aug. 10, 2004. The new facility boasts 39,000 square feet of space for warehousing new aftermarket tractor and combine parts. Photo by Torey Griffith, Digital Marketing Specialist

Ray Rahe, a fabricator at Abilene Machine, welds weights to an auger flighting, which balances the rotating assembly for smooth operation and longevity. Abilene Machine manufactures their own augers, which are purchased by farmers all over the U.S.

expansion into aftermarket agricultural machinery

"Our main goal was to acquire the ability to provide the parts our customers needed. We've always been here to help farmers succeed," Todd said.

Abilene Machine rehydraumanufactures lic pumps, fuel injection pumps for diesel engines, inal drives, and even complete engines and transmissions. Each is rebuilt to OEM (Original Equipment Manufacturer) specifications by team members who come from mostly agricultural backgrounds. The roots run deep here.

In 1992, Abilene Machine released its first parts catalog. With 72 pages featuring used and remanufactured parts, the company began to establish a national footprint in the ag parts industry.

Four decades later, the Roelofsens are still in the business of providing value to the agriculture industry with their family-owned and operated company. So what's the secret to success in this industry? In a word - innovation. Just like other sectors of the agriculture into the ever-changing con-

On the cusp of a worldwide economic recession. Randy and Todd faced the

dustry, these last 40 years have been about adapting ditions to overcome each challenge. For example, a 2004 fire destroyed Abilene Machine's main office and 15,000 square feet of warehouse and inventory.

Alex Shewmon, Combine Parts Technician at Abilene Machine, takes good used parts from a damaged John Deere Combine at one of the shops at the company's facility near Solomon. Abilene Machine started in 1980 as an agricultural machinery salvage parts and equipment resale operation. In addition to used parts, the company now sells new aftermarket parts, some of which are manufactured in-house.

task of rebuilding their business to replace what

Adaptation is key, ac-For decades, parts sales happened in person and over the phone. People ordered from catalogs, went to trade shows or learned about the company through word-of-mouth. Recent economic events have shown how important a strong digital presence is for a retail company's continued success. Or survival, for that matter.

A newly updated website enables a customer to cording to the Roelofsens. sign into a personal acher equipment to a "shed." Each personalized shed stores equipment information so the customer can easily look up and order parts in minutes. Once ordered, the parts are shipped right to their door.

"The new generation of farmers is adopting

ities and a 39,000-squarefoot new aftermarket parts warehouse at their Kansas headquarters, they have also built successful operations in Sioux Falls, South Dakota, and Bishopville, South Carolina.

e-commerce for everything

- from tractor parts to groceries," said Kenny Roe-

lofsen, Abilene Machine

digital marketing manag-

er. "We're meeting them

there, in the digital mar-

ketplace, where we are continuing the spirit of in-

novation that has brought

us this far. Even though

we're a large company,

every customer - wheth-

er at the parts counter or

on the internet – can still  $% \frac{1}{2}\left( \frac{1}{2}\right) =\frac{1}{2}\left( \frac{1}{2}\right)$ 

expect the same kind of

honest, personal, service

that Abilene Machine is

steadily growing to meet

increasing demand and

has evolved from that sin-

gle-car garage to one of

the largest single-site ag-

ricultural salvage yards

in the U.S. In addition to multiple manufacturing

and remanufacturing facil-

Abilene Machine is

known for."

"It's an amazing business," said Todd, who is now an owner and vice president. "We have a lot of great people working here, and each of them is just like family."

### Tradexpos postpones Topeka Farm Show

Tradexpos, Inc. has announced the postponement of the Topeka Farm Show. With regard to the restrictions caused by the pandemic, carrying out the annual Topeka Farm Show in January is no longer a reasonable possibility.

Tradexpos is working with the Stormont Vail Events Center on possible alternate dates.

The first Topeka Farm Show was in 1989 and has been a fixture of the local agricultural community ever since. Farmers and ranchers know that in early January they can attend the show and talk with an abundant amount of agriculture industry experts on how to improve their business at this

Tradexpos has been striving to produce top quality agricultural tradeshows since its inception

in 1988. The company also produces the Wichita Farm and Ranch Show, Fort Wayne Farm Show (Fort Wayne, Ind.), and the North American Farm and Power Show (Owatonna, Minn.). Based out of Austin, Minn., their five-person operation works yearround to serve the agricultural community with their events.

## **Tallgrass Prairie National Preserve** Quarter released

Who says you can't fit the prairie in your pocket? You can now carry a piece of the prairie with a beautiful butterfly in your pocket, and it won't matter if it gets

With much anticipation, the U.S. Mint released its 55th 2020 America the Beautiful Quarter honoring the Tallgrass Prairie National Preserve on November 25, 2020. The design depicts a skyward view of a Regal Fritillary butterfly among a background of Big bluestem and Indian grass, both iconic to the preserve. Educational materials about the preserve's quarter is available at the U.S. Mint's website, as well as information about the quarter's designer, Emily Damstra and sculptor, Renata Gordon. Go to https://www.usmint.gov/learn/educators/coin-program/america-the-beautiful-quarters-lesson-plans to download the materials.

The quarter is available locally at the Flint Hills Discovery Center, 315 S. 3rd Street, Manhattan, KS. Bring in your old quarter and exchange for a new Tallgrass Prairie National Preserve Quarter while supplies last.

Tallgrass Prairie National Preserve is located two miles north of Strong City on Kansas State Highway 177 (the Flint Hills National Scenic Byway). The preserve is a unique public/private partnership between the National Park Service and The Nature Conservancy.

For more details about the quarter, call 785-587-2726

or visit 315 S. 3rd St. in Manhattan.

### A social distancing reminder



Ron Wilson of Lazy T Ranch, Manhattan, stopped by the Grass & Grain office with a special delivery - a Llama-Gram. The official certificate included a light-hearted social distancing reminder to keep one llama length of space (six feet) between you and others due to the coronavirus pandemic.

### Breaking Tradition By Jackie Mundt, Pratt County farmer and rancher

This past year has been a hard one. Though we are close to the renewed hopes of a new year, we still face what could be the hardest days of 2020 for some.

No matter what you are celebrating this season — Christmas, Hanukah, Kwanzaa, Festivus – most plans have likely been altered. Some people have been lucky to experience only minor inconveniences or shifts, while others are facing a total breakdown of holiday celebrations and family traditions.

My heart goes out to people who are struggling with this change. I was once just like you.

When I was 12 years old, my oldest brother enlisted

in the Navy and left for basic training near Chicago just before Thanksgiving. Since the base was only a five-hour drive from home, our family was able to participate in a Christmas Adopt-a-Sailor program to spend the day

Looking back, I had a lot of pre-teen anxiety about the effects this had on our holiday celebration and fam-

with him.

ily traditions. It was the first time we ever changed our family routine, and I was convinced the changes were going to ruin Christmas. We had to shorten our visits with extended family on Christmas Eve so we could get a few hours of sleep before our 3 a.m. departure. We would not be opening presents around the tree on Christmas morning. It all just felt wrong.

Our Christmas in downtown Chicago ended up being a great adventure. The city was like a ghost town. The only restaurant open was a two-story McDonald's, and my siblings and I were so proud to rack up a \$30 total, which makes me laugh now as it would be a bargain for a family of six today. We visited an equally deserted Navy Pier where our entertainment became exploring a water gunboat and chatting with the on-duty firefighters staffing it. We ended the day watching the latest James Bond movie at the theater since it was the only thing we could find open.

This odd and presumably ruined holiday ended up being one of our most memorable Christmases. The highlights of the day were not presents, which I cannot even remember if we exchanged, or cool experiences. The greatness of the day came from the spoiled plans,

laughter and shared experience of making memories together.

We didn't know it at the time, but this was the last Christmas we spent together as a family. Ten months later, my middle bother died in a car accident; my oldest brother was away from home for six years in the Navy; and my sister and I became adults with our own careers and families to work around for the holidays.

I will not pretend that my family's Chicago Christmas was magical, tradition-worthy or even worth repeating. However, I am grateful for the time it gave us together and the way it mentally prepared me for the hard lesson of life's changes.

If you are anxious about how the holidays will turn out for your family and friends, I can share from experience that a break from tradition isn't the worst thing that can happen. Even if you are sad, mad or disappointed about the circumstances, you can still make memories and celebrate with loved ones. It will give you something to talk about in future years when you are enjoying your holiday celebrations and family traditions.

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

### Secretary Perdue announces groundbreaking proposal to transfer agricultural animal biotechnology regulatory framework to USDA

U.S. Secretary of Agriculture Sonny Perdue announced a significant step in modernizing regulations of agricultural animals modified or produced by genetic engineering. The U.S. Department of Agriculture (USDA) will be moving forward with an Advanced Notice of Proposed Rulemaking (ANPR) to solicit public input and feedback on a contemplated regulatory framework that would modernize our system into a scientifically sound, risk-based and predictable process that facilitates the development and use of these technologies for U.S. farmers and ranchers under USDA's authorities. This initiative follows President Donald Trump's Executive Order on agricultural biotechnology that called upon federal agencies to make regulatory improvements to rectify some of the long-standing barriers to innovation for U.S. agri-

"Our livestock producers need all the tools in the toolbox to help protect against animal diseases and continue to meet the challenge of feeding everyone now and into the future. If we do not put these safe biotechnology advances to work here at home, our competitors in other nations will," said Perdue. "Science-based advances in biotechnology have great promise to continue to enhance rural prosperity and improve the quality of life across America's heartland and around the globe. With this effort, we are outlining a pragmatic, science-based, and risk-based approach that focuses on potential risk to animal and livestock health, the environment, and food safety in order to provide our farmers and ranchers the tools they need to continue to feed, clothe and fuel the world.'

Background

Trump directed federal agencies to modernize the regulatory framework for agricultural biotechnology products by establishing regulatory approaches proportionate to the product's risks, avoid unjustified distinctions across similar products, and promote future innovation and competitiveness. USDA will publish an ANPR on animal biotechnology as a keystone effort in fulfilling this Executive

Order. This ANPR will transition portions of FDA's pre-existing animal biotechnology regulatory oversight to USDA. USDA will consult with FDA to ensure our reviews benefit from FDA's expertise, while providing developers with a one-stop-shop for their products at USDA. USDA looks forward to FDA experts participating in the development of our review process.

Through this ANPR. Last year, President USDA is proposing to establish a flexible, forward-looking, risk-proportionate and science-based regulatory framework that provides a predictable pathway to commercialization and keeps pace with advances in science and technology for certain farm animals (cattle, sheep, goats, swine, horses. mules, or other equines, catfish, and poultry) developed using genetic engineering intended for agricultural purposes.

USDA's proposed safety review would cover molecular characterization, animal health (including noninfectious, infectious, and zoonotic diseases), efficacy (for disease and pest resistance traits), environmental considerations, food safety evaluation of any expressed substance (including allergenicity and compositional analyses of key components), and food storage and processing. USDA's proposal would provide end-toend regulatory oversight from pre-market reviews through post-market food safety monitoring of animals. USDA will continue to coordinate closely with

the FDA to fulfill oversight responsibilities and provide the appropriate regulatory environment, ensuring the safety of products derived from new technologies, while fostering innovation at the same time.

Under the regulatory framework being contemplated, USDA would provide regulatory oversight from pre-market reviews through post-market food safety monitoring for certain farm animals developed using genetic engineering. USDA would promulgate regulations using the authorities granted to the Department through the Animal Health Protection Act (AHPA), the Federal Meat Inspection Act (FMIA), and the Poultry Products Inspection Act (PPIA). Pursuant to these authorities, the Animal and Plant Health Inspection Service (APHIS) would conduct a safety assessment of organisms developed using genetic engineering that may increase an animal's susceptibility to pests or diseases of livestock, including zoonotic diseases, or ability to transmit the same. The

Food Safety and Inspection Service (FSIS) would conduct a pre-slaughter food safety assessment to ensure that the slaughter and processing of animals developed using genetic engineering would not result in a product that is unsound, unhealthful, unwholesome, or otherwise unfit for human food.

### Coffee Shop Meetings begin January 14, 2021

Herbicides and Weed Control will be the topic on January 14, 2021 at the first session in this year's Coffee Shop Agronomy series of educational meetings, organized by the Riley County Extension Service. Sarah Lancaster, K-State Research & Extension Weed Scientist, will be the featured speaker.

The 2021 Coffee Shop Series will be hosted virtually on Zoom. Producers will attend from their home computer, using a link sent to each registrant. Coffee Shop meetings will start at 11:00 a.m. and adjourn by 12:00 noon every other Thursday from January 14 through February 11.

Meeting dates, topics, and speakers are:

• January 14 — Herbicides and Weed Control -Sarah Lancaster, K-State Research & Extension Weed Scientist

• January 28 — Plant Tissue Testing to Fine Tune Fertility Programs — Dave Mengel, K-State Research & Extension Soil Fertility Specialist (retired)

• February 11 — Best Management Practices for Row Crops — Ignacio Ciampitti, K-State Research tems Specialist Registration is required since a link will be needed to connect to each session. Producers are asked to register online at www.riley.ksu.edu by noon the day before each meeting.

For more information contact Riley County Extension Agent Greg Mc-Clure at 785-537-6350.



This week is my week of holiday chores. Chores get to be a grind, especially during the winter, but there is something about holiday chores that break the doldrums of the mundane and remind me of why I love what I do. What makes holiday chores so special, you ask? I cannot exactly put my finger on it, but see if you agree with me.

My kids are home, especially for Christmas. Ike lives nearby but usually we go to church on Christmas Eve and then come home and play cards and eat some snack stuff. It is one of the few nights he stays here instead of going back home for the night. Tatum will be home from college and for one night a year, we are all under the same roof at the same time. That alone is enough to do my heart good.

Christmas morning, we get up, the coffee is on and a good breakfast is planned out. We do not often eat much of a breakfast, but we do on Christmas morning. Then it is off to do chores. I get that Christmas morning for those of you with little kids is a bit more hectic. Enjoy those days, even the late-night assembly of Santa's presents, the time is fleeting and soon it will go away. Christmas with big kids is a lot more laid-back, at least at our house.

We attack chores with a lot more help than I am normally used to, and it really goes fast, except that it is a morning when we can stop and admire the animals that we are entrusted with caring for. I am not sure why but on Christmas morning it seems like the animals are a lot more laid back too. I know a scientist would tell you that it is probably all in my attitude and the signals I am giving off. I am also sure it is because I am in a good mood and more willing to forgive and forget. I chose to believe it is because it is Christmas morning, and all is right in the world, if only for a moment.

We look at the animals, maybe add a little extra feed and discuss plans and thoughts for the upcoming year. The traffic is another thing that seems to help the mood of the morning. There is no traffic. Roads are quiet as people are not moving that early in the day. All of

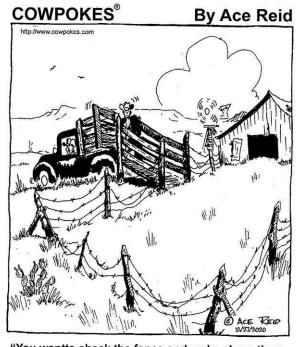
that lends itself to a stillness that adds to the nature of the morning and the awe of the season. I suppose chores are more relaxed too because we have done most of the feeding and watering the day before in anticipation of Christmas morning. We try to keep the chores light.

There is a difference, a lightness in our step, a bounce in our moods because it is Christmas. The animals also seem to have a calmness, a gentleness that comes with the day. It is the one morning we forget the troubles that bother us the rest of the year and focus on what is good. It could also be that we are looking forward and anticipating being done with chores and that second cup of coffee when we are opening presents.

That is my Christmas morning, and it is probably more laid-back because of the year and the fact that we are not going anywhere. I understand that for some it is more hectic as you hustle around earlier to get to a family Christmas that requires traveling. We have been there, done that and there are parts of those mornings that are special too. Christmas on the farm can be exhausting, but for us, this year, it will be casual and relaxing.

I also realize that this may be one of our last Christmas mornings like this. The kids will soon have their own families and we will not always have them Christmas Eve and Christmas all to ourselves, but the last two years have been amazing. I know this year has been challenging and I hope that this holiday season finds you with a chance to relax, reflect and enjoy all that you have been blessed with.

I hope that your holiday chores left you with a chance to take that deep breath, even if the morning was hectic, and see the peace that was all around you. Holiday chores only come around once a year, and that is a good or bad thing depending on your perspective. I hope your chores found you with everything in, all your waterers unfrozen, your batteries charged and your critters healthy. The secret of life is to enjoy the moment and find happiness in the little things like holiday chores.



"You wantta check the fence and make shore there ain't no place the calves can git out!"



785-539-7558 Fax 785-539-2679

Publisher - Tom Carlin Managing Editor — Donna Sullivan gandgeditor@agpress.com

 Advertising Staff – Kurtis Geisler, Shelby Mall kurtis@agpress.com, shelby@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

### You inherited the farm – now what?

A Knowledge @ Noon series titled, "You Inherited the Farm - Now What?" will be offered as a virtual conference, starting January 12, 2021. Sessions will be presented via Zoom at 12:00 noon on four Tuesdays, from January 12 through February 2. Greg McClure, Riley County Extension agriculture agent will be the conference host and presenter.

The first session will be an introduction to farm ownership, covering some of the decisions new landowners might face, including whether to keep the land with multiple owners, sell it, or divide it among multiple heirs.

Series dates and topics are:

- January 12 Intro to Farm Ownership Where do you begin now that you are a farm owner?
  - January 19 Lease Law and Common Leasing Practices
- January 26 Kansas Fence Law Who is responsible for fence maintenance? • February 2 - Soil Fertility Basics — Understanding soil fertility, fertilizers, and crop nutrient needs.

Landowners can sign up for the entire series, or for individual sessions, but registration is required by noon the day before each session. Zoom connection instruction will be sent to participants via email. Register online at www.riley.ksu.edu. For more information, contact Greg McClure at the Riley County Extension Office by phone at 785-537-6350 or by email to gmcclure@ksu.edu.

### Tool helps develop custom biosecurity plan for disease prevention in beef

In support of cattle producers across the country dedicated to preventing disease, improving animal welfare and reducing production losses, the Beef Checkoff-funded Beef Quality Assurance (BQA) program developed a Daily Biosecurity Plan for Disease Prevention template. The template, which helps cattle producers implement daily biosecurity measures on their operations, is available digitally as a PDF or can be printed for handwritten plans.

The template was specifically designed to be customizable, giving producers flexibility in determining management practices that work best for their cattle operation and covers everything from animal movement to worker training

The goal of this introductory and stepwise program is to provide beef farmers and ranchers across the country with the information needed to implement biosecurity plans. In addition to providing basic information, the tool emphasizes why biosecurity is vital on cattle operations and provides an opportunity for producers

to have conversations with their herd veterinarians, extension agents, and state BQA coordinators about

biosecurity preparedness. "Biosecurity is a top priority for the beef industry," said Kim Brackett, an Idaho cattle producer and chair of the BQA Advisory Group. "This Beef Checkoff-funded tool allows beef farmers and ranchers to develop their own biosecurity plans unique to their operations. Whether a cow-calf operation in California, a backgrounder in Mississippi or a feedyard in Kansas, being proactive and developing a written plan ahead of a crisis allows producers to implement and become familiar with biosecurity precautions. Even more importantly, producers will be prepared if a biosecurity threat were to happen."

The Daily Biosecurity Plan for Disease Prevention template was created in collaboration with the United States Department of Agriculture and its Secure Beef Supply plan. By intersecting these resources, producers that already have biosecurity steps in place for day-to-day operations are able to easily move to an enhanced biosecurity plan to prepare for a potential foreign animal disease outbreak

For more information about BQA and the BQA Daily Biosecurity Plan, visit BQA.org

### CONSIGNMENTS WANTED

for Axtell Knights of Columbus

### CONSIGNMENT AUCTION

**SATURDAY, FEBRUARY 6, 2021** 

Held in Axtell, Kansas Consignments Accepted Until Sale Day. Deadline for advertising is January 15.

Contact: Bob 785-736-2787 or Jim 785-736-2821

## Do you renew your **Grass & Grain subscription** at the Topeka Farm Show?

Since the show has been postponed from early January till mid-April, we are offering the same taxfree special we give at the show.

In-State TAX FREE Form Show Renewal Rates (Circle One)

1 year: \$41 - 2 years: \$76 - 3 years: \$105

Fill out the below portion and mail it with your payment to: PO Box 1009, Manhattan, KS 66505

OR call: 785-539-7558 and <u>mention the Topeka Farm Show special!</u>

This special is good now through January 31st 2021

NAME: ADDRESS: \_\_\_\_ EMAIL:



#### Grass & Grain, December 29, 2020 Reinke's ESAC wins two national awards

(ASABE) and the Irriga-

tion Association New

Product People's Choice

Award for agriculture ir-

rigation. A global leader

in irrigation systems and

technology, Reinke intro-

duced ESAC to growers in

the U.S. and Canada earli-

be recognized by these

organizations, especially

since they represent both engineers and growers."

said Chris Roth, Reinke president. "Our team

has worked for some time perfecting ESAC's ability

to improve water unifor-

mity on corners and help

producers grow more with

less. These awards are a

signal that we've achieved

those goals, by providing

the most advanced swing

arm corner in the irriga-

the only one of their kind,

celebrating product inno-

vations in the area of agri-

culture, food, and biologi-

cal systems. Only 50 prod-

ucts are recognized each

year; those ranked highest

The AE50 Awards are

tion market."

"We're very excited to

er this year.

ESACTM, Reinke Manin innovation, significant ufacturing's electronic engineering advancement swing arm corner technoland impact on the markets ogy, has won both an AE50 they serve. award from the American The Irrigation Association's New Product Awards Society of Agricultural and Biological Engineers

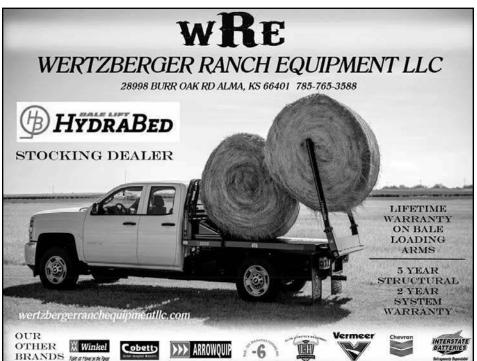
are determined during the annual Irrigation Show and Education Week. A total of 31 new products and technologies were entered in five categories, evaluated on innovation, design quality, increased water/resource-use efficiency, ease of use and product life expectancy.

ESAC will provide growers with highly efficient and uniform water application, increasing yields under their Swing Arm Corners. In field tests, ESAC showed major improvements for irregular-shaped fields and corner applications on rectangular and square fields. Based on GPS positioning, ESAC's electronic six or 12 zones control the precision application of water or chemical applications to individual field specifications. ESAC is available on all swing arm models.

Page 3

Visit Reinke.com/swingarm to learn more about ESAC and to find a Reinke dealer in your area.





# Never miss an issue of Subscribe or renew today! |

New Sub	scription	Renewal
Name:		
City:	State:	Zip:
Phone:		
Email:		
	ne Edition?	
**Online Edition	is FREE with purcl Email is requi	hase of Print Subscription; red.**
In-St	ate Print <b>F</b> d	ition Rates:
1 Year;	\$41 + additional	sales tax
2 Years;	\$76 + additional	sales tax
3 Years;	\$105 + additiona	l sales tax
		COUNTY AND MUST BE EAR. CALL IF UNSURE.**
Out Of	State Print	#diffion Rates#
1 Year; \$51 _	2 Years; \$95 _	3 Years; \$132
**Call for info	about our 1st Clas	ss or Online Only rates**
	Check/Cash Enc	losed:
	or	
Visa, Ma	Credit/Debit ster Card, Discover	Card: ; American Express
E	xpiration Date:	_/
	ode (3 digits on back o	·
Sig	nature:	

Mail to: P.O. Box 1009, Manhattan, KS 66505

OR Stop by the office: 1531 Yuma St., Manhattan, KS 66502 1-877-537-3816



### Mary Ellen Wetter, Marysville, Wins Weekly Recipe Contest

Winner Mary Ellen Wetter, Marysville: "Since the Holidays are approaching, thought I'd share a recipe that is great for using leftover meat: chicken, turkey or ham! I think it would work with any of these meats! Enjoy!" SPAGHETTI-HAM CASSEROLE

1 pound spaghetti, broken into 2-inch pieces

- 1 can cream of mushroom soup
- 1 cup milk
- 1 tablespoon finely chopped onion
- 1 teaspoon Worcestershire sauce
- 2 cups diced ham
- 1 cup shredded cheese
- 2 teaspoons salt
- 1/4 teaspoon pepper
- 1/4 to 1/8 cup parsley (I use 1/4 cup)

Cook spaghetti as directed on package. Drain. Heat oven to 375 degrees. Combine soup and milk; add rest of ingredients. Place in greased 2 1/2-quart casserole and bake 30 minutes or until hot and bubbly! Serves 8.

Darlene Thomas, Del-

#### HOT CHOCOLATE MIX

2 cups instant nonfat dry milk mixed with water 1/2 cup cocoa, unsweetened 1 cup sugar

1/4 teaspoon salt

Mix all ingredients and store in air-tight container. To make a cup of hot chocolate, mix 1/4 cup dry mix with 1 cup boiling water. Top with marshmallows, whipped cream or cinnamon and enjoy. Makes approximately 14 cups.

Susan Schrick, Hiawatha: "Great fudge in less than 20 minutes!"

#### **OLD-FASHIONED** FUDGE

- 2 cups sugar 4 tablespoons Hershey's
- cocoa
- 1 stick salted butter 5-ounce can Carnation

Nuts are optional

Mix sugar and cocoa in a saucepan then add a stick of butter and the can of evaporated milk; stir until the mixture starts boiling. Stir continuously for 7 minutes then remove from heat and add vanilla (and nuts if using them). Stir the mixture continuously for 3 minutes then pour into a buttered baking dish to set.

Rose Edwards, Stillwater, Oklahoma:

#### HAM DIP

- 8 ounces deli hickory smoked country ham, chopped fine
- 4 ounces cream cheese
- 1/3 cup mayonnaise
- 2 tablespoons chopped green onion
- 2 tablespoons mustard
- 2 teaspoons minced shallot
- 2 teaspoons hot sauce
- 4 tablespoons milk 6 cups powdered sugar 1 teaspoon black pepper Place pretzels in a very

honey and milk: stir until smooth. Pour peanut butter mixture over pretzels and stir until evenly coated. Coat pretzel mixture with powdered sugar in batches. For each batch place 2 cups powdered sugar into large ziplock bag. Add 1/3 cup pretzel mixture close bag and shake briefly. Spread mix on waxed paper. Cool completely. Store in an air-tight container. Makes about 23 cups.

stantly melt peanut butter

chips in a medium sauce-

pan over low heat. Add but-

ter, marshmallow creme,

Put ham in food proces-

sor and pulse until almost

smooth. Add cream cheese

and all other ingredients;

pulse until smooth. Cover

and refrigerate at least 2

hours. Dip with crackers,

Millie Conger, Tecum-

**BLUEBERRY CREAM** 

**MUFFINS** 

bread cubes, etc.

seh:

2 eggs

1/2 cup oil

1 cup sugar

2 cups flour

1 cup sour cream

1 teaspoon vanilla

1/2 teaspoon soda

1 1/2 cups blueberries

Mix the eggs,

sour cream, vanilla and

sugar. Stir in the flour and

soda just until mixed. Bat-

ter will be lumpy. Gently

stir in blueberries. Pour

batter into 12 paper-lined

muffin tins. Fill each about

2/3 full. Bake at 375 degrees

Jackie Doud, Topeka:

**CRANBERRY DIP** 

1/2 cup whole cranberry

1/4 cup orange marmalade

Spread cream cheese

onto bottom of a 9-inch

pie plate or pretty plate.

Mix other ingredients ex-

cept nuts and spread on

cream cheese. Top with

nuts. Serve with round

buttery crackers or other

PEANUT BUTTER

SNACK MIX

(2) 11-ounce bags small

12-ounce package peanut

1 jar marshmallow creme

large bowl. Stirring con-

4 tablespoons honey

Kellee George, Shawnee:

1/4 cup slivered almonds

8 ounces cream cheese

for 20-25 minutes.

sauce

crackers.

pretzels

butter chips

1/2 cup butter

oil,

Edwards, Kimberly Stillwater, Oklahoma: **CRANBERRY LEMON** 

#### CAKE

20-ounce can crushed pineapple, undrained 14-ounce can whole berry cranberry sauce

1 lemon cake mix 3/4 cup butter, melted

Set oven 350 degrees. Spray a 9-by-13-inch pan. Spread pineapple and cranberry sauce in prepared pan. Top with the dry cake mix, spreading evenly. Pour butter over top covering cake mix as much as possible. Bake 50-55 minutes or until toothpick inserted comes out clean. Cool at least 15 minutes before serving.

Darlene Thomas, Delphos:

PARTY CHEESE DIP 5-ounce jar Neufchatel cheese spread with pimiento

1 cup dry curd cottage cheese

3 tablespoons skim milk 1 teaspoon prepared horseradish

Several drops bottled hot pepper sauce

Combine all ingredients; beat until thoroughly blended and fluffy. Chill. Makes 1 1/4 cups. 29 calories per tablespoon.

### **Baking With** Sugarbuns By Michele Carlyon My Mom's Magic Of Christmas

Growing up, I went through phases of loving and hating my mom's over the top Christmas décor, but I think that all comes down to the fact that I didn't get it. Having two little nieces running around who are really getting into Christmas and the magic of it all, I finally get it.

The looks of awe on their faces when they walk in and start seeing the Christmas spirit has taken over. Santa's, snowmen, Christmas trees, stockings, presents and even a whole collection of Christmas-themed cookie jars have a special home on the top of the cabinets in the kitchen. They love it all, but they especially love the Christmas countdown calendars. There are big things, little things, soft things, breakable things, hanging things, literally everything Christmas that you can imagine.

Every possible Christmas movie is recorded and watched on the regularly. To be fair, if the TV is on and my mom is around, that is what you are watching. If you ever need a good giggle, ask my brother to give you a synopsis of Hallmark movies; he has a hilarious but accurate one. When we were younger Christmas lights weren't done in moderation either, my dad and brothers covered the outside of the house just as much as my mom covered the inside of the house. I am sure soon enough that tradition will come back to life for the sake of two little girls.

Christmas cookies were another one of my mom's big Christmas things. She would give us three kids free rein of her kitchen; we would invite friends over and spend a whole day baking Christmas cookies. Right now, the girls aren't quite focused long enough to spend a whole day in the kitchen, but they do love decorating Christmas cookies just as much as we all did as kids, although I don't remember us being quite as messy; probably selective memory I sup-

Another big thing my mom did to spread her

Christmas magic was to adopt a family or do something to give back to a family for the holidays. She would reach out to either a school or to a church, find out a family that needed some help and then take us kids to go with her to go shopping for them. Growing up with very little other than love, it has always been crucial to her to give back any chance she could, and she has instilled that into us from a young age, even took my nieces this year to help shop for a food drive.

Christmas celebrations with both sides of the family were always a big part of the magic as well. Christmas Eve and Christmas lunch was usually with my dad's side and Christmas Day with my mom's side would depend on when everyone could get together, but my mom never hesitates to put her touches on it all, gifts, food, bringing people together, everything.

The biggest part of her Christmas magic though? It must be Christmas morning. There isn't a thing in this world that she wouldn't do to ensure that Christmas wasn't magical for those that she loves. Santa always came through when we were younger and quite frankly continues to do so at thirty-two, but how could he not when you had such an amazing teacher of the magic of Christmas. If you believe, anything can happen and to this day, it still does.

From my family to yours, we hope your Christmas was magical.

Michele grew up in Junction City and graduated from Kansas State University. She worked in the restaurant management field for six years before deciding to switch careers and now works as an office manager for a company that manufac $tures \quad oil field \quad products.$ Her passion for blogging and food can be followed on Instagram: boobsbrainsandbaking.

If you would like to contact Michele with comments please email mcarlyon88@gmail.com

#### evaporated milk 1 teaspoon Worcestershire 1 teaspoon vanilla

Need Senior Insurance?

- \* Medicare Supplement
- \* Long Term Care
- \* Final Expense



## 800-373-9559 PHILLIPS INSURANCE

Jim- The Answer Man!



### **BOOT HILL SALES**

CLAY CENTER, KS • 785-388-2245 | 785-632-7420 www.boothillsales.com

Prize for December 29, 2020 & JANUARY, 2021! "Our Daily Bread" **Recipe Contest Prize** 

Golden Prairie Honey Farms 12-Ounce Honey



Supports Veterans in Farming! You are about to enjoy genuine North Manual American honey, provided to you by pour nation's heroes; Veterans finding new purpose in a not-for-profit farm training program: Servicemember

Agricultural Vocation Education (SAVE) Farm program.



www.goldenprairiehoney.com

................... 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

### **AG LIME GYPSUM** Standard or Variable Rate Application

**GEARY GRAIN, INC.** Junction City, Kansas

785-238-4177 gearygrain.com

### **BARN BUILDERS** DT CONSTRUCTION

918-527-0117 🗪 All Workers Insured Est. 1977

Free Estimates! One Year Warranty 30x50x10 enclosed...... Galvalume \$10,300 12' slider, 1 walk door...Colored metal \$11,300 Price includes

40x60x14 enclosed

..... Galvalume \$17,300 .Colored metal \$18,700

40x100x16 enclosed

20' split sliding door Galvalume \$25.800

1 walk door.. ..Colored metal \$27,800

www.DTCBarns.com

Need an extra copy of

Pick one up at any of our Box locationss



Dara's Fast Lane:

labor and material.

- 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 ~

Copies are also available at these businesses:

& Ranch: Pioneer Farm & Ranch: - 427 NE 14th Abilene. KS -

Bluestem Farm

- 2611 W. Hwy 50, Emporia. KS -

Or Stop by the Grass & Grain Office:

-1531 Yuma St., Manhattan, KS -

Office Hours: Monday-Friday, 8am-5pm





Complete Drivetrain Specialists • Drive Shafts

Rear Ends and Heavy Duty Parts

### **Prizes And Rules Now Posted For 2021 National Festival Of Breads**

Written By Julia Debes for Kansas Wheat

The holidays are the perfect time to turn pandemic baking projects into entries for the 2021 National Festival of Breads. The event is going virtual for 2021, further expanding the opportunities to compete in the premiere yeast bread baking contest for youth and adults. Winners will receive cash prizes and baking bundles from the event's sponsors: Kansas Wheat, King Arthur Baking Company and Red Star Yeast.

"The National Festival of Breads is the only baking competition of its kind, recognizing the best bakers' skills and creativity," said Cindy Falk, co-chairperson of the event and nutrition educator for the Kansas Wheat Commission. "This year's virtual contest builds upon the rich tradition of grassroots support that has made the festival an experience like none other.'

The official rules and regulations for the contest are now posted at http:// nationalfestivalofbreads. com/. Entries for the National Festival of Breads must be an original yeast bread recipe, must use a Red Star Yeast product as a leavening agent and 75 percent or more of the total flour in the recipe must be King Arthur unbleached wheat flour. A variety of both branded products are eligible for use in the competition.

The contest is split between two divisions - adult and youth - with sub-categories for each, including: **Adult Categories** 

Savory Rolls: herb, gar-

lic, onion, cheese, etc. \* Sweet Bread/Rolls: tea rings, braided breads, variations of cinnamon rolls. fruit/nut rolls, twists, etc.; with or without icing.

Traditional Breads: white, wheat, whole grain, multi-grain, etc. May be any shape: rectangle, round. braided, etc. A bread great for sandwiches.

#### **Youth Categories**

\* Sweet Rolls: variations of cinnamon rolls, fruit/nut rolls, twists, etc.; with or without icing.

\* Creative Bread Shape: edible veast bread sculpture, i.e. animals, flowers, team mascot, sports theme, holiday, colored yeast dough, etc.

Entries open at 12:00 AM Central Standard Time (CST) on Jan. 8, 2021 and end at 11:59:59 PM CST on Feb. 22, 2021. Each entry must adhere to specific requirements outlined on the contest's website.

Winners will be notified in early May 2021, with online voting for the contest's "People's Choice" award beginning on May 14, 2021. Prizes for the contest in-

\$2,000 + Baking Bundle: THREE (3) Category Winners will be selected, one from each category (Savory Rolls. Sweet Breads/ Rolls and Traditional Breads). Each will receive a \$2,000.00 check and a "Baking Bundle" from sponsors, ERV \$250.00.

Best of Breads Champion: One (1) Overall "BEST OF BREADS" Champion will be selected from the three Category Winners. The Champion will be determined by the Judges' score. The Champion will receive a year's supply of Red Star Yeast (eighteen 3-strip packets of Platinum® Yeast); a year's supply of King Arthur Flour (twelve coupons for a free 5-pound bag of flour); and a \$500.00 King Arthur Baking Company Gift Card that may be used towards a baking class.

Youth \$500 + Bundle: TWO (2) Category Winners will be selected, one from each category (Sweet Rolls and Creative Bread Shape). Each will receive a \$500.00 check and a "Baking Bundle" from Sponsors, ERV

People's Choice: Winners will be selected from the three (3) ADULT Category Winners and the two (2) YOUTH Category Winners. One (1) YOUTH and (1) ADULT "People's Choice" award winner will receive bakeware, ERV \$100.00.

In addition to these category winner prizes, one entrant will win the grand giveaway of a KitchenAid® Artisan® Series 5-quart Tilt-Head Stand Mixer and 10 additional entrants will win various bakeware priz-

Read the full set of rules and tips to perfect your entry and learn more about the National Festival of Breads at http://nationalfestivalofbreads.com/

### 4-Ingredient Puppy Chow

This is one of those recipes that you want to write out and hang inside your kitchen cabinet, just to keep it close at hand! While I've shared it before, puppy chow is still one of the easiest little sweet treats to whip up. (And even better if you stir in some M&M candies at the end!) If you're creating little baskets of goodies to give away to friends, try filling a mason jar with puppy chow and then wrapping it in red and burlap ribbons. If you're needing other ideas for sweet treats, here are a few: peppermint bark, peanut brittle, chocolate dipped oreo balls, shortbread cookies, candied nuts, frosted sugar cookies, mini quick breads, dipped pretzels, and peppernuts. Happy baking!

You'll Need: 6 c. Chex cereal (rice or corn)

1 c. dark chocolate chips

1 c. creamy peanut but-

1 1/2 - 2 c. powdered

M&M candies (option-

To get started, dump

your cereal into a large

sugar

bowl.





Heat a saucepan of water on the stove and set a glass bowl over the top of the pan (don't have it touching the water). Dump your chocolate chips into the bowl and stir occasionally until melted. Stir in the peanut butter.

Pour the chocolate mixture over the cereal and gently stir together.

Once the cereal is thoroughly coated in chocolate, add in the powdered sugar and gently stir together again until thoroughly coated. Let cool and store in an airtight container. Enjoy!

Ashleigh is a freelance writer and the gal behind the website, Prairie Gal Cookin' (www.prairiegalcookin.com), where she shares step-by-step recipes and stories from the farm in Kansas. Follow PGC online or like it on Facebook for more recipes and ram-



### **Healthy Aging Goes Beyond Eating Right, Exercise External Factors Contribute To Healthy Lives**

MANHATTAN - Most people know that exercising regularly and eating healthfully is directly connected to aging well, and Kansas State University aging specialist Erin Yelland certainly agrees.

But, she says, those two factors alone are not

"So many times when we hear about health, we're hearing about those specific health behaviors that we should be doing: eating right and exercising," Yelland said. "Of course those play a huge role in our health, but when you look at all the things that contribute to our length and quality of life, those specific health behaviors only contribute 30%. The other 70% relates to external factors different from eating well

and exercising." Speaking recently on the K-State Research and Extension radio program, Sound Living, Yelland said that such external factors as environment, geographic location, education, socioeconomic status and others contribute to a person's

health at any age. She noted that each individual's level of risk often corresponds to public health programs enacted by the community, county or state they live in. One example she cited is a public information campaign to limit tobacco and alcohol advertising in stores.

"That is one example where public health initiatives work to reduce the marketing message that makes consumers think about cigarettes and alcohol, which then makes you less likely to want to buy them," Yelland said. "These types of local policies can be huge in determining your health behaviors."

Speaking on the factors that influence healthy aging, Yelland said:

\* Environment. Air and water quality, housing and transit are included in this category. "Do you live in an environment where there is clean air, or do you live near a factory?" Yelland asked. "Or, do you have clean water with fluoride in it, or do you live in Flint, Michigan," a city that since 2014 has struggled with high levels of lead in drinking water.

A safe home - free from ashestos or other hazards and access to transportation are also important to good health.

\* Geographic location. Urban, suburban and rural communities each have their challenges. Neighborhoods in which younger residents feel unsafe to walk to school are stressful. "It can affect your brain development, and obviously it can be dangerous," Yelland

Rural areas may not feel the pressure of unsafe neighborhoods, but can struggle with access to transportation, food, internet and medical care.

\* Education. "First of all," Yelland said, "do you have parents who read to you and support you positively from a young age?" Older children who work to support the family or raise siblings also are at a disadvantage. "There are a lot of questions that go into whether you are able to attain a high school diploma, let alone go on to trade school or a four-year university."

Education also affects brain composition for the rest of one's life. "We see that certain aspects of the brain are smaller in people who have higher levels of stress and lower levels of education. The more educated you are, the more likely you are to live a lon-

ger and healthier life."

Yelland added that socioeconomic status "always" affects external fac-

"When we think about things such as broadband internet or healthy eating, having a stable job influences your behavior. If you have more money, you're more likely to have faster and more stable internet. If you have more money, you're more likely to be able to access nutritious and healthy, fresh food."

K-State Research and Extension agents across Kansas are helping to promote healthy communities by building local coalitions that address residents' needs. Yelland said many of those efforts aim to identify "projects that we can help spearhead or partner with to make our community a safer and healthier place."

"K-State is using data developed across the world to talk about how we can make Kansas a healthier place, as well as doing our own research," Yelland said. "There are a lot of things that extension is doing to address the 70% of outside factors that contribute to our good health."

More information on healthy aging is available online.

Links used in this story: Sound Living (radio), www.ksre.k-state.edu/news/ radio-network/sound-living. html

Adult Development and Aging, www.aging.k-state. edu/programs/index.html



YOUR Crop Insurance Solution.

www.ag-risk-solutions.com 913-367-4711

@AgRiskSolutions

/AgRiskSolutions

Ag Risk Solutions is an equal opportunity provider.



Hiawatha, KS 913-370-0999



JENNIFER FORANT Atchison, KS 785-217-3815



Ravenwood, MO 660-853-2415



MIKE SCHERER Atchison, KS 913-426-2640



TONY ELIZONDO

Wamego, KS 785-410-7563

LaCygne, KS 660-424-3422

# THE WAIT IS OVER!

Volume 7 of the Grass & Grain "Our Daily Bread" cookbook is finally here!!



Picking up where we left off, you can now enjoy a compilation of nearly 80 pages of unique & delicious recipes from "Our Daily Bread" circa 2014, including a few home recipes from the G&G staff!

**Stop by and get yours** or call in & place a mail order today!

\$15/ea., + \$3 shipping to U.S.

Earlier editions also still available!



785-539-7558

1531 Yuma St • Manhattan, KS

### Renew your Grass & Grain subscription Online - it's easy!

Visit www.GrassAndGrain.com



Click 'Subscribe To Grass & Grain' and follow the prompts!

GRASS&GRAIN

Having trouble? Give us a call! 785-539-7558

Risk management handled by Tiffany Cattle Company

Locked commodity prices

 Complete profit/loss statement for each pen All marketing decisions discussed with and approved

by cattle owner Rewarded for your efforts in producing a quality

product by selling your cattle on an industry competitive grid Tiffany Cattle Company 1333 S. 2500 Road Herington, KS 67449 (785) 258-3721

Family Owned & Operated Tiffany Cattle Company, with a total capacity of 32,000 head,

A Complete Cattle Feeding & Marketing Service

### is equipped to offer economies of scale and industry leading service to 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

★ www.tiffanycattle.com ★

Follow us on at Tiffany Cattle Company

Shawn Tiffany - COO (785) 229-2902 shawn@tiffanycattle.com Shane Tiffany - CEO (785) 466-6529 shane@tiffanycattle.com Dennis Roddy - CFO (620) 767-2139 dennis@tiffanycattle.com Tanner Stucky - Asst. Mgr. (620) 214-0979 tanner@tiffanycattle.com

Tiffany Cattle West 758 Pioneer Road Marquette, KS 67464 (785) 546-2216

It's one of those windy mornings that sweeps the prairies clean. How does this old house stand in its path? I never fail to think of those in the past and how they faced the weather: plains tribes in their tipis, soldiers in their tents (or without them), settlers in soddies, the weary traveler on horseback riding into the sleet, ragged refugees displaced and walking through the cold mud.



### 1209 N. PERRY, JUNCTION CITY, KS **WE ARE BUYING:**

- FARM MACHINERY @ \$150/Ton (Delivered)
- PREPARED #2 IRON
  - PREPARED MACHINE CAST • #1 CLEAN COPPER

ALSO BUYING: COPPER, BRASS, CAR BODIES W/ CLEAR TITLES, ALUMINUM, ALUMINUM CANS, PREPARED NON-MAGNETIC STAINLESS STEEL, BATTERIES AND A/C SEALED UNITS.

CALL: 785-238-3382 (800-825-4377) FOR CURRENT PRICES ROLL-OFF CONTAINERS AVAILABLE, Ask For LANNY or JAKE (PRICES SUBJECT TO CHANGE WITHOUT NOTICE!!)

Weather is the great equalizer, or perhaps, the great leveler. Their first winter at Fort Wallace, Capt. Myles W. Keogh and four other officers lived with no heat in their tent because the Army had sent stoves but no pipe. My daddy, one of 12 children growing up in the foothills of the Blue Ridge Mountains, recalled waking with snow on his blanket. It had blown through the cracks in the clapboard. There was no insulation in that old house, no storm windows, no central heat. Just the wood cookstove in the kitchen and the wood heat



burned down (I was maybe nine years old), we moved in with Granny and Grand-

stove in the front room.

The year our first house

pa while we rebuilt. My sister and I slept upstairs where there was no heat and Granny piled so many quilts we couldn't turn over underneath them. But the kitchen was always warm and we scurried there as fast as we could.

May you always have a warm refuge no matter what the weather, and may you have a blessed 2021.

Deb Goodrich is the host of the Around Kansas TV show and the Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum. She chairs the Santa Fe Trail 200, the bicentennial of that historic trail. Contact her at author. debgood rich @gmail.com.



www.toplinebuildings.com sales@toplinebuildings.com

STEEL BUILDING **INVENTORY SALE** 

> **I-Beam Construction** Easy Bolt-Up Design

40x65 • 60x90 • 100x150 • Many Others Available

### Soy growers pleased with final 2020 COVID relief and omnibus

Congress has now approved H.R. 133, the Consolidated Appropriations Act of 2021, and the American Soybean Association (ASA) is very pleased. The long-anticipated coronavirus relief bill, which passed both chambers with large majorities, will bring needed aid to members of the agriculture community and other Americans.

Kevin Scott, ASA president and soy grower from Valley Springs, South Dakota, said, "We are very thankful that so many measures in this relief package and the attached omnibus are priorities for which soy growers have diligently pushed: enhanced assistance under the Coronavirus Food Assistance Program and other direct aid to producers — including a shot in the arm for PPP and per-acre payments for eligible row crop producers -broadband funding, WRDA reauthorization and more."

Importantly, the legislation provides \$13 billion to address COVID-related impacts on agriculture and \$7 billion for broadband funding — including \$300 million for a much-needed rural broadband build-out — along with an additional \$13 billion to support nutrition programs. And, the legislation includes a reauthorization of the 2020 Water Resources Development Act (WRDA), with an adjusted cost-share ratio for Inland Waterway Trust Fund projects from 50% IWTF/50% General Revenues to 35% IWTF/65% General Revenues through FY2031, a major priority for U.S. soy growers.

The bill also provides block grant funding for state departments of agriculture to support farm stress programs. Back in April, shortly after all this really escalated, the ASA COVID Task Force highlighted the need for stress relief across our ag communities-and ASA worked in conjunction with our state soy affiliates, the United Soybean Board, and even several interested state departments of agriculture and universities—on the #SoyHelp program to provide tools and resources to those in need. So, this is just one more component included in this legislative package that is keenly important for our ag communities," said Scott, who led the task force for months.

In addition to provisions specific to agriculture, the 5,593-page bill includes many other important measures; notably, funding for distribution of the COVID-19 vaccine. another much-needed step for which ASA has advocated. And, the \$900 billion stimulus package includes \$1.4 trillion to fund the government through September, more welcome news.



Quality Replacement Parts for All Makes & Models

All of our engine rebuild kits are assembled from the highest-quality parts and can be custom-built to suit any need. Kits are available for tractors, combines, swathers, forage harvesters, industrial and construction equipment, sprayers and stationary engines.



Toll Free: 800-255-0337

Top-quality,

pricing

inventory

tested parts



**Professional Hoof Care for** Dairy, Beef, Show Cattle, Bulls

> **Preventative Trimming & Lame Cow Treatment**

**Northeast Kansas Area** 316-644-8392 robert@agritrim.com



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



**NEW FALL 2020!** Newly renovated handling and treatment areas, including a tilt chute!



## ON-FARM services

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

## HOSPITAL services

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

Call us today to schedule an appointment! 785-532-5700 24/7 Emergency care

### **Building His Own Monument**

Johnson County, Kansas was established by Kansas Territorial government on August 25, 1855, in honor of Reverend Thomas Johnson. Reverend Johnson and the Reverend Alexander McAlaster, the presiding Methodist elder of the Cape Girardeau Missouri district, met with representatives of the Shawnee Indians in November of 1830 to gain permission to establish a mission among their people. By December 1st Rev. Johnson returned with his bride Sarah T.

(Davis) to begin building the mission. He was twenty-eight. She was twenty.

The Methodist mission was located on a wooded bluff overlooking the Kansas River, approximately three-quarters of a mile southeast of present-day Turner, Kansas. The Chouteau brothers' American Fur Company was about a mile away (just north of present-day Turner).

Alexander McAlister Johnson was born to Sarah and Thomas Johnson at the Shawnee Methodist Mis-

### "Winning the Game" marketing class to be held in February

The River Valley and Post Rock Districts are working together to put on a Corn Marketing class in Belleville, on February 9th from 12:30-5:30 at the 4-H building on the Fairgrounds. This corn marketing workshop will focus on developing pre-harvest marketing strategies for the 2021 Kansas Corn crop. The emphasis will be on using the cost of production and seasonal price trend tendencies to develop seasonally flexible 2021 corn marketing plans for Kansas farmers. A variety of marketing tools will be used in the workshop including forward, basis, and hedge-toarrive contracts, short futures hedges, and put/call options. Instructors for the workshop are Mark Nelson. Director of Commodities for the Kansas Farm Bureau, and Daniel O'Brien, Extension Agricultural Economist, Kansas State University.

Registration is required, please sign up at https:// bit.ly/387zMVr. There will be a Zoom option available and we will be following K-State's COVID-19 guidelines which include facemasks and social distancing. There will be a limit of 50 people.

This meeting is sponsored by Kansas State University Extension, Kansas Farm Bureau, and the North Central Extension Risk Management Education Cen-

If you have any questions contact Rebecca Zach at the Belleville office at 785-527-5084 or by emailing zrebecca@ksu.edu.

sion on July 18, 1831, but sadly only survived until August 15, 1831. The following year, a second son, Alexander Soule Johnson, was born on July 11, 1832. Four more children were born by 1839. In 1838 Thomas began

planning for a new Shawnee Methodist Mission and Indian Labor School. Rev. Johnson persuaded the missionary society of the Methodist Episcopal Church to provide seventy-five thousand dollars to build the new mission and labor school. Traveling to Washington, D. C., he then induced the government through the Commission on Indian Affairs to grant two thousand four hundred acres for service in training in agricultural arts. The new location was six miles south of mouth of the Kansas River and onehalf mile west of the Missouri border (the present Shawnee Indian Mission Indian Historic Site).

By February, 1839 forty acres had been fenced, comprising twelve acres of young apple trees, the first orchard planted in Kansas, and one hundred seventy-six acres prepared for planting corn in the spring. Cattle, hogs, and horses were run on the surrounding prairie.

Forty Indians were employed to cut fence rails and construct the buildings. Bricks for the buildings were produced on site in brick kilns. Lumber was sawn onsite with their own saw mill. Everything to ensure sustainability was provided, from blacksmiths and shoemakers to a water-powered flour mill. The large dining hall could serve two to three hundred people at a time.

The school was attended by more than the Shawnees. Delawares, Chippewas, Gros Ventres, Peorias, Pottawattomies, Kansas, Kickapoos, Munsees, and Osages attended the mission school in the first year.

In 1855 the first territorial legislature convened in the main building at the mission after its initial assembly at Pawnee, Kansas. Rev. Johnson was

elected president of the upper house of the legislature. Territorial Governor Andrew Reeder and his staff were quartered at the mission throughout 1855. The pro-slavery legislature was deemed the "Bogus Legislature" by Free Staters and soon failed. Even so, Rev. Johnson, being one of the most prominent men in Kansas Territory, was honored by the organization of John-

son County in 1855. When the Civil War broke out in 1861 Rev. Johnson was forced to come to grips with his support of slavery. He was a Virginian by birth, however ,his close ties with the federal government had been beneficial to the success of the mission and his personal success as well. He had moved in 1858 to the Davenport House, a colonial-style mansion near Westport. When Kansas entered the Union as a free state Johnson turned away from his southern friends to support the Union.

His shift of allegiance infuriated former pro-slavery colleagues. Treachery was around every corner. The evening of January 2, 1865, a large number of horsemen approached the house at about 11 p.m. Going to the door, Johnson asked what they wanted. The men said they were looking for a drink of water to which they were directed to the well behind the house. But they were cold and wanted to come in to get warm by the fire. But the fires were no longer blazing, and not wanting to disturb his sleeping family, he denied them entry.

By that time the family was gathering near the door. His wife urged him to close it, and as he did a bullet splintered the

Grass & Grain, December 29, 2020 wood, striking Johnson in

Page 7 sas on the Violent Frontier, the chest. A volley of bul-Ellsworth, KS. Contact lets struck the house as Kansas Cowboy, 220 21st family members defended RD Geneseo, KS. Phone 785-531-2058 or kansascowboy@themselves with firearms stored within the house. kans.com. The back porch was set on fire but doused with water **GRASS** from the kitchen. The standoff lasted over an

& 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



### Make. More. Farming.

hour when Mrs. Johnson

shouted to the raiders that

the mission cemetery the

next day. The marble shaft

that marks his grave declares that Rev. Thomas

Johnson had built his own

monument. "A Monument

of Good Works" on The

is author of the book Des-

perate Seed: Ellsworth Kan-

"The Cowboy," Jim Gray

Way West.

His body was taken to

her husband was dead.

#### Harvest

List your service for free Hire services in seconds No invoicing No waiting for payment

### Hay

Sell & buy fast Free to list & browse Automatic payments No waiting for checks

Download the free iPhone app! For Android or desktop, use www.hitchpin.com



Use code **GRASSGRAIN** for a discount. Also benefits Grass & Grain



## Livestock **Commission Co.**

was one of the first barns to advertise in Grass & Grain.

"Grass & Grain is good value for our advertising dollars."

"We use Grass & Grain because they reach a lot of buyers and sellers. The market reports are simple to read and right there for you. It's a good place to see consignments and market prices ahead of time."

You too could be reaping the benefits of Grass & Grain advertising!

> Don't hesitate, call TODAY: 785-539-7558

Or stop by to talk with one of our advertising representatives:



1531 Yuma St. Manhattan, KS

Philip Tangeman, trustee of the Vincent Tangeman & Angela Tangeman trust, is accepting sealed bids on the following Nemaha County real estate:

**INVITATION TO BID** The North Half of the Southeast Quarter in Section 15, Township 4, Range 11, in Nemaha County, Kansas, containing 80 acres more or less.

To view the property please contact Galloway, Wiegers & Brinegar to schedule an appointment or drive by on E Road just west of the Centralia Lake.



Bids sheets can be obtained by contacting Galloway, Wiegers & Brinegar or by visiting the website: sealedbidauction.net

Bids must be received by 12:00 p.m. January 8, 2021. Seller reserves the right to accept any bid, reject all bids or invite certain bidders to a subsequent private auction.





Nemaha County, KS

GALLOWAY, WIEGERS & BRINEGAR, P.A.

ATTORNEYS AT LAW 520 Main Street Seneca, KS 66538 785-336-0021 jason@gwblaw.net

gwblaw.net

1114 Broadway P.O. Box 468 Marysville, KS 66508 785-562-2375 Fax: 785-562-5348

**GRASS & GRAI** 1 year - \$35 Other options also available

Arrives in your Inbox every Monday between 12-1pm Email is required.

**TO SWITCH OR SUBSCRIBE CONTACT KEVIN:** CALL 785-539-7558 • EMAIL: agpress3@agpress.com Or stop by: 1531 Yuma St., Manhattan, KS

Online edition is **FREE** to all **Paid Mail Subscribers** 



Grass & Grain, December 29, 2020

## learning modules for 'Regen Ag 101' now online

non-profit Soil Health Academy has announced that the first three learning modules of its Regen Ag 101 virtual school are now online and available to help farmers. ranchers, gardeners and others successfully transition from chemical- and tillage-dependent conven-

tional agricultural practices to soil health-improving regenerative agricultural practices.

The curriculum was developed by regenerative ag pioneers Ray Archuleta, Gabe Brown, Shane New and Allen Williams, Ph.D., based on their decades-long, on-farm experience in applying soil health-centric, regenerative agricultural principles and practices.

"We're delighted to make the first three learning modules available now so our students can begin interacting with the course content," New said. "The modules come com-

tion from SHA's world-renowned cadre of instructors along with supplemental media for students to search, read, watch and interact with," he said.

plete with video instruc-

According to New, an additional six learning modules will round out the Regen Ag 101 course curriculum and will be available shortly after the first

studies and supporting research gleaned from the very best of Soil Health Academy live workshops across the U.S.," New said. "Through this interactive platform we're able to provide the foundational knowledge and under-

"Regen Ag 101 con-

tains video lectures, case

principles and practices that will allow our fellow farmers and ranchers to practically and profitably make the transition from conventional agriculture to regenerative agriculture."

To register or to learn more about Regen Ag 101 visit www.soilhealthacad-

### Handke to serve as Gelbvieh World editor

The American Gelbvieh Association (AGA) is excited to announce the addition of Laura Handke to the AGA publications team, serving as editorial contractor.

In her role, Handke will help to create and coordinate content for Gelbvieh World and The Profit Picture publications as well as other AGA communications efforts. Handke previously contributed to the publications through freelance writing.

Handke, her husband and eight-year-old daughter, Audrey, live in Easton and run a small herd of commercial cattle. Handke holds both a bachelor's and master's degree in agriculture science from



Northwest Missouri State University and has been professionally involved in agriculture communications for the past decade, working on education initiatives and content for crop and health animal companies and associa-

Handke says of the opportunity to join the AGA team, "I am excited to

have the opportunity to join the AGA team, and look forward to sharing the story and communications of a breed that has meant so much to me throughout my life."

'Laura has contributed great work to our publications in the past and we are excited to have her a part of our team in this new capacity," says Megan Slater, AGA executive director. "She has a wealth of experience in ag communications and will be a great asset in growing the Gelbvieh and Balancer message."

Handke began her role at AGA on December 1 and can be reached at laura@gelbvieh.org.

Kansas cattle on feed up 3 percent Kansas feedlots, with capacities of 1.000 or more

head, contained 2.50 million cattle on feed on December 1, according to the USDA's National Agricul-

This inventory was up 3% from last year.

standing of regenerative

Placements during November totaled 415,000 head, unchanged from 2019. Fed cattle market-

vember totaled 425,000 head, up 8% from last year. Other disappearance during November totaled 10,000 head, unchanged from last year.

### tural Statistics Service. ings for the month of No-Adoption of precision ag varies across generations

Farmers who fear they are falling behind in farm technology might not be as behind as they think.

Kansas State University cropping system economist Terry Griffin explains that a recent Kansas Farm Management Association study on farm technologies dispels the myth that all farmers use all of the latest technology. Griffin was one of the speakers at the December 2020 University of Missouri Crop Management Conference, held online.

Studies show that farmers are slower to adopt new technology than previously thought, Griffin says. It usually takes 15 years for technology to reach a critical mass. Many factors weigh into the speed and degree with which they adopt new ways of farming.

Farm size is one of the main factors: The larger the farm, the quicker and higher the adoption rate.

Age, wealth and type of farming operation also are factors.

The number of generations of a family on the farm and the birth year of the farm operators also affect adoption rates. Not surprisingly, younger farmers are introducing digital resources to older generations on the farm.

Many technologies have been available for more than two decades but still are not widely adopted, Griffin says. Of available technologies, farmers may choose to invest in only a few

The Kansas Farm Management Association found that Kansas farmers used three of eight surveyed technologies most commonly. Many used none. Very few used all eight.

For example, automated guidance became commercially available more than 20 years ago, yet only 70% of farmers surveyed in Kansas have adopted this technology

MU Extension assistant teaching professor of precision agricultural technology Kent Shannon says his observations show that Missouri farmers are similar in their willingness to invest in precision ag.

Many factors affect how farmers look at return on investment and the installation and maintenance costs of precision agricultural equipment, Shannon says.

An agricultural resource survey from the U.S. Department of Agriculture shows that farmers use technology in different ways. They may use it

to divide crop production, negotiate new crop leases, install tile drainage, monitor crop technology or document yields. Many used monitors to conduct field experiments.

Shannon says lack of internet access in many rural areas slows change. A USDA report shows that only 75% of U.S. farms reported having internet access, and that half of the farms use smartphones or tablets rather than desktop or laptop computers to conduct farm business.

As tech-savvy younger generations join established operations, changing perspectives are inevitable, says Griffin. The numbers of farm owners in the "silent generation" (born before the end of World War II) and baby boomers (born 1946-64) continue to decrease.

Differences in business structure also affect adoption rates.

Multigenerational farms tend to embrace changes quicker than sole proprietors. They also likelv own more acres, have more financial resources to invest and can prorate the expense.

Additionally, younger family members, although lacking the financial resources, may convince older, more risk-adverse family members of the value of technology.

The silent generation's contribution remains strong despite dwindling numbers, says Griffin.

With life expectancies increasing, many remain active in the farm operation and retain ownership. Their heirs increasingly reach retirement age before inheriting the farm. As a result, the current younger generation will control farm operations at an older age than previously, Griffin says.

Farmers should decide if new technologies are for them, he says. "Ag tech is not for every grower on every field. Sometimes waiting is an optimal decision.

Decide how technology improves efficiencies, profit and quality of life on your farm, Griffin says.

# YOUR NAME COULD BE HERE!

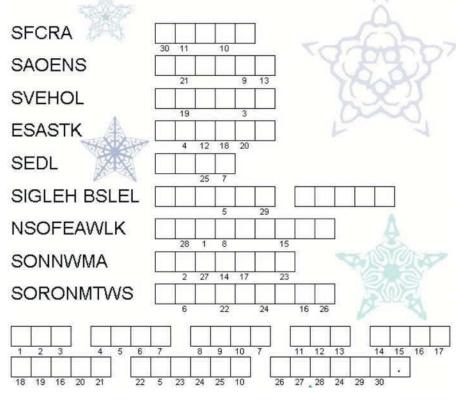
**Sponsor the Kid's Corner!** 

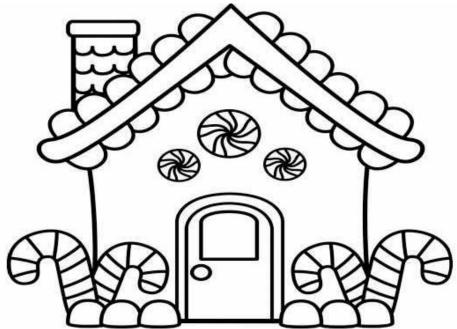
Contact your sales rep or call Grass & Grain for more information! 785-539-7558 • gandgeditor@agpress.com



Happy New Year!

# Ofnter S Gords





1: Color the chimney in a red and white pattern. 2: Color the roof yellow. 3: Color the gumdrops above the roof, green. 4: Color the gumdrops below the roof, orange. 5: Color the main house yellow. 6: Color the candies above the door, orange. 3: Color the main house yellow. 7: Color the door red, and the doorknob green. 8: Color the window in the door, yellow. 9: Color the candy canes red and white. 10: Color the gumdrops beside the door, green.

www.creativeclassroomconnections.com

## We want to see your Kid's Corner pages!

Send us <u>any</u> completed Kid's Corner page and you could win a prize!

### December 8th:

of Alma, KS!

Congratulations Tate W.

### December 15th:

Congratulations Molly K. of Concordia, KS!

December 22nd:



**Big Piece** Snowman Puzzle

> K-State Card

Matching Game Small

K-State Sock Monkey

3 p.m. Wed., December 30th. No limit on number of submissions, but you may only win once.

Be sure to include your name, age, mailing <u>address & phone number with each submission.</u>

> Mail your submissions to: PO Box 1009, Manhattan, KS 66505 Or bring them by the office: 1531 Yuma St., Manhattan, KS 66502

## Grass & Grain Area **Auctions and Sales**

Due to the uncertainty of events, if you plan to attend any of the following auctions and have any doubts, please contact the auction company to confirm that the auction will be conducted and inquire about safety procedures if you are concerned. And please check their websites.

Always great online Equipment auctions www.purplewave.com

January 7, 2021 — Bred Cow & Heifer Special sale consisting of 1st calf bred heifers, bred cows & cow/ calf families, held at Beatrice Livestock Sales, Beatrice, Nebraska.

January 9 & 10 (Rescheduled from November) — 1994 Lincoln Town Car Cartier Sedan, collectibles, vintage furniture, household, tools & miscellaneous including cast iron vintage toys, wooden advertising boxes, South-

west signed items, KU items, glassware & much more; 200+ lots of jewelry including turquoise, gold & diamond rings, watches, many vintage pieces, 500+ lots of coins including \$10 Buffalo Bill Silver Bill, 1861 restrike Confederate half dollar. Morgan & Peace dollars, Eisenhower dollars, Liberty & Franklin halves. quarters, dimes, nickels & more held at Lawrence for Joan Handlev Estate & Ruby Freels Estate. Auctioneers: Elston Auctions.

January 9 — Furniture. Antiques, Primitives, Collectibles and Misc. Household Items Auction to be held in Portis, KS for Julia & the Late Don Chegwidden. Auctioneers: Wolters Auction & Realty.

January 16, 2021 — Antiques & collectibles including large collection of farm toys, 1950s, 60s trucks, cars & other toys, fred Heidel Trust. Auc-

Pensi coin operated pop machine, 7UP & Pepsi coolers, crocks, oil cans, car parts, assortment of signs & much more held at Salina for Brent Leaman. Auctioneers: Thummel Real Estate & Auction,

January 16, 2021 — Farm auction selling Bobcat skid steer, skid steer attachments, tractor, trailers, equipment, 1997 Mercedes Benz, tools, collectibles held at Lawrence for Schneider Family Trust. Details soon! Auctioneers: Elston Auctions.

January 21, 2021 — Pottawatomie County Land Auction: 550 acres, m/l of Native Grass with ponds sold in 2 tracts consisting of 313 Acres m/l located in Sec 9-T7-R9 on 99 Hwy. and 237 Acres m/l located in Sec. 7-T7-R7 West of Hwy. 99 on Huff Road held at Manhattan for Al400+ Toys including IH, JD, Case, Ford, Oliver, MM, MF, Cat, Arcade, Tru-Scale; Ertl, Franklin

tioneers: Ruckert Realty

January 23, 2021 -

& Auction, Jeff Ruckert.

Mint, Precision, SpecCast, Structo, Tonka. 1/12th, 1/16th, 1/24th, 1/43rd, 1/64th, most all toys have the boxes. Also selling collectibles, household, tools & miscellaneous held at Lawrence for Sam Stanley Estate. Auctioneers: Elston Auctions, Mark Elston.

January 28, 2021 — 4 Tracts of Clay County Farmland south of Clay Center for James D. Braden & Margie Clark Tidwell Braden Trust and Pleasant Hill Farms, LLC. Auctioneers: Clay County Real Estate & Auction Service, Greg Kretz, salesman & auctioneer.

January 30, 2021 — Real Estate auction consisting of 44.9 acres Residential Development Potential property held at Wamego for Richard Meyer Estate. Auctioneers: Cline Realty & Auction, LLC.

January 31, 2021 — 340 acres m/l of primarily native grassland with just kenbring, broker.

under 20 acres tillable, pond & fences located West of Maple Hill. Auction location yet to be determined. Auctioneers:

Crossroads Real Estate &

Auction, LLC. February 6, 2021 — Axtell Knights of Columbus Consignment Auction held at Axtell. Contact Bob at 785-736-2787 or Jim at 785-736-2821 to consign.

February 6, 2021 — 689.7 acres m/l of Clav County land consisting of T1: 133 ac m/l with 122.8 m/l cropland & 10.2 m/lof waterways and wildlife habitat; T2: 157.3 ac m/l with 144.8 m/l cropland & 12.5 m/l waterways; T3: 82.77 ac m/l with 74.24 m/l cropland & 8.53 m/l waterways; T4: 156.21 ac m/l with 138.78 m/l good native grass pasture, 17.43 m/l cropland; T5: 160.2 ac m/l with 133.9 m/l cropland & 26.3 m/l waterways. hay meadow & wildlife habitat to be held at Clay Center (online bidding available at www.MidwestLandandHome.com). Seller: Gardner Trust. Auctioneers: Midwest Land & Home, Mark Uhlik listing broker & Jeff Dan-

February 13, 2021 -Retirement farm machinery auction consisting of mostly John Deere equipment: tractors, combine, planter, a full line of tillage and haying equipment and trucks held West of Manhattan for Wood and Wood Farm, Daryl Wood. Auctioneers: Cline Realty & Auction, LLC.

March 1, 2021 — Great quality line of Farm Equipment held Abilene for T. Lee Gruen & Jason Kooken. Auctioneers: Revnolds Auction Service, Randy Reynolds & Greg Kretz, auctioneers.

March 6, 2021 — Farm machinery & miscellaneous Southwest of Abilene for Paul Lehman & Dorothy Lehman Trust. Auctioneers: Kretz Auction Service.

March 27, 2021 — Farm machinery, skid steer, antique machinery, farm-related items & household goods held Northwest of Randolph for Byarly Family Trust. Auctioneers: Kretz Auction Service.

April 10, 2021 — Fink Beef Genetics Spring Bull Sale held at Randolph.

### Sorghum Yield Contest ew record set in 2020 NS yield contest winners and

National Sorghum Producers is proud to announce a new U.S. dryland sorghum vield record has been set at 245.86 bushels per acre by Ella Johnston of Fulton County, Pennsylvania, in the 35th National Sorghum Yield Contest.

Facing weather challenges, economic uncertainty and a challenging year overall, sorghum farmers showed resilience, continued to farm and produce high yieldsorghum, matching the pace of strengthened national average yields annually.

The 2020 National Sorghum Yield Contest had seven national winners, selected from three categories for both the eastern and western regions of the U.S, and one winner was selected for the food grade division. This year's top yield and Bin Buster winner is Johnston's dryland record of 245.86 bushels per acre achieved with Pioneer seed variety 84G62.

"The National Sorghum Yield Contest is an avenue to not only highlight the yield achievements of our producers but also to discover, learn and engage with our members from New Jersev to Idaho and in between," NSP Board of Directors Chairman Kody Carson. a sorghum farmer from Olton, Texas, said. "This year demonstrates the resilience of our producers, and we are proud of those pushing boundaries and revealing the potential sorghum has in record-setting ways. These producers have prospered with high yield achievements in addition to strengthened prices for sorghum—a silver lining to the 2020 growing season-and I congratulate our winners and look forward to next year.'

The 2020 first place winners of the NSP Sorghum Yield Contest were Ki Gamble of Kansas in the Irrigated West category with a vield of 223.51 bushels per acre; Jeffrey Barlieb of New Jersey in the Irrigated East category with a yield of 200.71 bushels per acre; David Knoll of South Dakota in the Dryland-Tillage West category with a yield of 205.32 bushels per acre; Santino Santini Jr. of New Jersey in the Dryland-Tillage East category with a yield of 203.94 bushels per acre; Long Farms-Jerry and Sue Long of Kansas in the Dryland-No Till West category with a yield of 186.84 bushels per acre; Ella Johnston of Pennsylvania in the Dryland-No Till East category with a yield of 245.86 bushels per acre; and Stephanie Santini of New Jersey won the Food Grade category with a yield of 189.10 bushels per acre.

Yield contest winners will be recognized in the Winter issue of Sorahum Grower magazine and are traditionally acknowledged during Commodity Classic. With that event now taking place virtuallv. NSP and its sponsors are planning alternative options to recognize 2020

their achievements. Details will be announced in 2021. To see a complete list of the NSP Sorghum

**2-DAY ESTATE AUCTION** 

**SATURDAY, JANUARY 9 &** 

SUNDAY, JANUARY 10, 2021

\* 9:00 AM EACH DAY

Hand

(Very

DAY #1 SATURDAY

CAR

1994 Lincoln Town Car Cart-

ier Sedan 4.6L V8 59K (Joan

**COLLECTIBLES, VINTAGÉ** 

**FURNITURE, HOUSEHOLD,** 

TOOLS & MISC.

"Chautaugua"

Roller Organ

Rare!): 1869 Union Pacific RR

Omaha Platte Valley Route

framed Poster Picture; Cast/

Brass Tear-Drop Jadeite Desk

Lamp; Western Electric Oak

Small Ice Box; Spring Wagon

Seat; Wooden Whiskey Barrel

w/Spigot & Legs; 1862 castiron Soap Dish w/lid; Wooden

Dough Bowls: Oak Single Draw-

Phone; Oak Wooden

Crank

Bought NEW! Always Inside!).

Yield Contest national. state and county results, or to learn more about the contest visit https:// sorghumgrowers.com/ vield-contest/.

## UNL helps city youth become rural leader

"Rural matters"

That's the clear message Andrew Ambriz conveys when speaking about his job linking people to people and people to resources, as well as the University of Nebraska-Lincoln's critical role in getting him there.

"Agriculture is what we are as a state, and ag doesn't exist at scale in the big city," said Ambriz from his Broken Bow office as executive director of the Custer (County) Economic Development Corporation. He is particularly fond of the Williams Jennings Bryan quote that he said just sticks with

Burn down your cities and leave our farms

and your cities will spring up again as if by magic.

But destroy our farms and the grass will grow

in the streets of every city in the country.

Sound like passion from a Nebraska farm kid? Not at all.

"I'm the furthest thing from a farm kid there is," said Ambriz, who spent most of his growing up years in what he termed "not the best" neighborhood in Los Angeles, Calif. His parents pulled up stakes in 2005 and moved to Pender, where his mother grew up.

'When I got off the airplane at Eppley (Airfield, in Omaha), it was a cold evening. I didn't own a pair of long pants," he recalled. "I remember noticing very quickly that everything disappeared."

Ambriz enrolled in West Point High School, where he joined FFA. Through FFA, he became psyched about public speaking, leadership and, best of all, meat judging his chapter even nabbed a national title. Ambriz graduated from West Point High School in 2012 and headed to UNL's College of Agricultural Sciences and Natural Resources, where he majored in animal science.

In the summer of 2016, he headed to Mc-

Cook, where he received a summer serviceship in McCook, through the University. That serviceship, a predecessor of today's Rural Fellows program, placed college students in rural communities to live and work for ten weeks each summer.

Along with his new wife, Ambriz lived in a carriage house "where you could literally sit on the sofa, grab something out of the fridge and put it on the stove without getting up," he recounted with a grimace and chuckle.

For his fellowship, he assessed business life cycles on main street. He called the experience "hitting the bricks," since the effort involved talking with business owners in brick buildings on Main Street. He particularly relished interacting with a wide diversity of personalities.

"In any given day, you could meet with business leaders, connect with old dudes at the coffee shop and interact with community volunteers," he said. "Loved it."

The fellowship led to a career in economic development, in which, along with his vast other duties, he makes supervision of Rural Fellows a priority. Why?

"We have all these big goals, and not enough capacity," he said. My approach is to "give students autonomy, to put the project in their court," he said. He is proud that two fellows he has supervised have taken on economic development roles in Nebraska.

Through his fellowship and now professional role, he has come to view economic development as "personal growth through a community lens," he said. "What matters is results – quality of place and quality of life."

Day-to-day, Ambriz primarily focuses on local leadership development, and business and workforce retention and recruitment.

"Just today, I connect-

ed three people who want to pull together a dog park," he said. "We make things happen."

Those things include securing funds to pour two basements for new houses, pulling together plans for an indoor recreational facility and teaching business acumen where a leadership class earned \$12,000 in grant funds for an early childhood collaborative.

"There's a different quality of life here in rural America. You wake up and know your neighbor. I hear from employers who recognize the strong rural work ethic," Ambriz

Student fellows benefit from that work ethic, too.

"They learn how to ask hard questions (who benefits and why)," he said, "and communities get the work done."

The Rural Fellows program is part of Rural Prosperity Nebraska, housed in UNL's Institute of Agriculture and Natural Resources. Rural Prosperity Nebraska brings together Nebraska Extension educators, students, faculty, partner organizations and community leaders from across the state to address rural challenges and identify opportunities

for growth. Since 2013, students from the university and colleges throughout Nebraska have spent ten weeks over a summer working with leaders in rural areas on community-developed projects. These projects are often focused on economic and business development. entrepreneurship, early childhood development, marketing and promotion and other areas critical to the sustained success of rural communities. The students' work, on average, results in a \$28,000 economic impact per community.

To apply as a Rural Fellows host or student, see www.ruralprosperityne.unl.edu

#### er Spool Table (Unusual); 1800s Tin Type Photo Album; Cast-Iron Vintage Toys: 2 Horse Ladder Fire Engine w/drivers, 2 & 3 Horse Fire Pump Wagons w/drivers, 1 Horse Police Cart w/driver, Stake Truck, Sedan Car. US Uncle Sam Mechanical Bank, Bull Dog & Cat Banks; Texaco oil can; Oil Can Spout; Say "Pepsi Please" Metal Thermometer M-165; brass Bugle; Queen miniature cast-iron stove; cast-iron Hanging Mon-keys; Export Grist Mill "Family Grist Mill" on wooden bench

RARE!; #4 Quaker City Hand Corn Mill; Coffee Mill Grinder; Advertising Tins: Gingers/ Sunshine Wafers/etc.; Black Silk Polish Bottle; **Wooden** Advertising Boxes: Edelbrew Beer, Humboldt Beer, Bloomer Brewery, National Lead Dutch Boy, etc.; Texas Nail & Wire Nail g; #15 Red Wing Crock; #4 Union Red Wing Butter Churn; Western Whiskey Jugs; #40 Dazey Butter Churn; Grady Farms Dairy gallon jar; Chuckwagon Enamel Pitcher; Vintage Christmas; 1951 "Ice Coca-Cola Here Sign" Double Sided Porcelain Canadian Flange Sign; 5 cent Coke mirror; Coke items: trays, pitchers, bottles; wind-up toys; Duck wooden Gun Rack; Carry-Lite Duck Decoys; Vintage bicycles & golf club set: Vintage hardware & wooden cabinets: Southwest Signed Items: Runner/Rugs. Potterv. Kachina's, Pictures, Art, Vases, many others! BLACKBEAR **BOSIN Signed Southwest Pic**ture!; Signed Art Work Pictures; Benjamin Franklin pellet pistol:

Gingerbread Asonia Wall Clock: Seth Thomas clock; Elgin Pocket Watch; Marbles; 1969 KC Chiefs Decanter: 1974 OSU Cowboys Decanter; oil lamp; Rooster Weather Vane: Wooden Canes (Carved/Southwest): Dotson Dog Collection; Henry Disston level: Wicker Doll Bug gy; **KU:** Vintage 30s Jayhawk Spoon, 1984 Sports Soda, pennant, etc.!; match books; Superior SS & Oneida dinnerware sets; Quilts; Area Vintage Rugs; small 6 glass drawer hardware cabinet: 2-Oak 4 drawer index card drawer cabinets; Matching Red Velvet Victorian Chairs: small Drop-Front Desk; Duncan Phyfe Sofa Settee; Loveseat Settee; Marble-Top Coffee Table: Square Marble Top Parlor

Table; 3 tier stackable end table;

Mid-Century Chest; Victorian

Walnut Bed; Victorian Walnut

1545 N. 3rd, LAWRENCE, KS (N. Lawrence). Very Large Inside Building! Dining Table w/4 matching Queen Anne Style Chairs: Chair; Beautiful Vintage Steamer Dome Trunk w/tray; Sewing Rockers; Dressing Screen; Wicker Chairs; School Desk; 70s Ethan Allen Maple Bedroom Suite; Ethan Allen Small Maple Buffet; Athens Newspaper Matching Tables & Coffee Table; tile top painted Kitchen Drysink Bathroom Chest; (2) 3-drawer Walnut Chests; Parlor Tables; Kincaid Hunter's Court Solid Oak Hutch w/Matching Micarta Table & Chairs; Cedar Chest; Rockers; End Tables; Fenton Cranberry Lamp; Van Briggle Pitcher; Vaseline Glass Salt Dish; RS Prussia Berry Bowls; Nanton Germany Bavaria & Theodore Havilland Limoges Sets w/many extras; Nippon/Germany/Pink & Green Depression/Clear/Glassware; kitchen primitives; Pottery & Mexico Mixing Bowl Sets; cook books; **Books:** Dogs/ Birds/Garden/KS/Paper Back/ Many More; Vintage Yamaha Stereo Receiver CR-820 & Cassette Deck TC-320; Vintage Albums; Magnavox Console Stereo: turntable: Howard Miller Wall Clock; New England Regulator Clock; Terry Redlin "Heading Home" & "Prairie Skyline" framed prints; Natarion Cherry Dresser & Nightstand; Flex-A Bed Electric Bed finished size: matching swivel recliners; Pride Lift Chair; Panasonic 46" Flat Screen TV w/stand; 40" Sony LCD TV; Loveseat Hide-Bed; Maximus Electrolux; wrought iron Patio Set; Sentry Safe; matching Kenmore 70 Series Washer/Dryer; Kenmore Series 500 Washer; Kenmore Refrigerator; Kenmore Upright Freezer household décor; Stihl 011 AV Chainsaw; Craftsman tools/ wrenches/sockets; many power & hand tools of all sorts; fishing poles & tackle; Atari Game:

> mention!
>
> DAY #2 SUNDAY Wallace Sterling Flatware Service Set 60+ pcs. w/serving pcs.
> JEWELRY 200+ LOTS

> many items too numerous to

Turquoise Squash Blossom Turquoise Rings, Earrings, Bracelets; Zuni Fetish Necklaces; 14K/10K Rings & Necklaces; Rings: Wedding Bands Diamond, Ruby, Amethyst, Aguamarine, Emerald, Onyx Opal, Sapphire, etc.!; Diamond Tennis Bracelets: Costume pcs.; Jade & Sterling; Cameos, Pins Necklaces, Pendants, Earrings, etc.!; *Watches:* Elgin Waltham Hamilton Seiko, etc.! Pocket Watches! Many Vintage Jewelry Pieces! Great Selection & Offering! Do Not Miss this Opportunity!

10K COINS 500+ LOTS \$10 Buffalo Bill Silver Bill; 1861 Restrike Confederate Half/ Dollar; Morgan & Peace Silver Dollars; Eisenhower Dollars; Liberty/Franklin Halves; Silver Quarters/Dimes/Nickels; Barber 1901 S Quarter!; Graded Coins; Mint & Proof Sets; 2000 Wheat Pennies; Indian/Lincoln Pennies; Large Selection Foreign & Commemorative! See Internet For Complete Lot Lists For Jewelry & Coins!

### SELLERS: JOAN HANDLEY ESTATE & RUBY FREELS ESTATE

AUCTION NOTE: Very Large Auctions Both Days. RARE ITEMS & The Quality is Excellent. DO NOT MISS! Concessions: Worden Church Ladies. INSPECTION DAY OF AUCTION ONLY! Due to Covid 19 we are taking precautions for the health and well-being of our Customers & Staff. Out of the abundance of

caution and in accordance with local, state, federal guidance/ recommendations in place please follow the social distancing/ facial covering while attending. We ask everyone to please do what is best for themselves & if in doubt, please stay home. Thanks for your patronage and cooperation in the New Normal of the Auction Industry! ELSTON AUCTIONS \* (785-594-0505) (785-218-7851) "Serving Your Auction Needs Since 1994"

Please visit us online: www.KansasAuctions.net/elston for 100+ Pictures!

### LAND AUCTION

SUNDAY, JANUARY 31, 2021

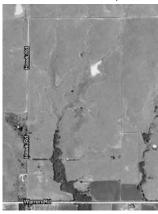
**AUCTION LOCATION: To Be Determined. Watch for Updates!** LAND LOCATION: Corner of Hawk & Warren Road, West of

Maple Hill, Kansas

DESCRIPTION

This is truly a once in a lifetime opportunity to own a beautiful piece of the Flint Hills. Based off of our historical evaluation, the property has not been offered to the public for as far back as we had records.

The 340 +/- acres is primarily native grass but there is just under 20 acres of tillable as well to supplement the property. Property is served by a great pond and fences are in a solid state as well.



REAL ESTATE TERMS: Property sells AS IS, WHERE IS. 10% non-refundable down payment is required day of sale by check. Buyer must be able to close on or before February 3, 2021. Buyer needs bank letter of loan approval or funds verification. Cost of Owners Title Policy to be spliit equally between Buyer and Seller. Buyer is responsible for understanding zoning and building regulations associated with the property prior to the auction. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the Seller.

Check us out on Facebook & Online for more info www.kscrossroads.com www.fac



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



ON THE EDGE OF COMMON SENSE

### Pleasure Horse

among other things, a former horse mechanic. The horses I did veterinary work on were ranch and feedlot beasts of burden. Workin' animals from man's point of view.

Up until about fifty years ago that would describe most of the horses vets worked on. I was always a little vain about distinguishing that my patients worked for a living, earned their daily oats and made a contribution to the good of mankind.

Backyard horse practice sorta ranked with spayin' cats and trimming Chihuahuas' toenails.

That same kind of 'snobbery' still exists, I think. Somehow working on a valuable race horse, a Tennessee walkin' show horse, an endurance Arabian, a Budweiser Clydesdale, Fred Whitfield's ropin' horse, Kathy Petersen's barrel racin' horse, a New York city policeman's horse, a ranch horse, a rodeo bucker, a Quarter

1 blk

1 blk

Salina

consider myself Horse cutter, an outfitter's pack mule or a Lippizan performer is interpreted as doing something more worthwhile than floating the teeth on a backyard

These working horses have a purpose. That dignifies your veterinary efforts, lends some value to your education and experience. All your acquired ability isn't being wasted in frivolous endeavor on a horse that isn't really "workin' for a livin'."

But, with all that being said, what's work to a horse? Is it something they feel good about? Does it give them a sense of selfworth? Of course not.

"Well, my little mare, I better finish this hay. Crooked Jack will be comin' to take me to the mall where I can walk in circles all day giving joy to little boys and girls."

"I'm so proud of you, Geldy. You bring so much happiness into the world."

Coyote Cowboy Proverb: Work to a horse is anything he does because you make him do it.

I tell people my horse likes to rope. Meaning, I guess, that he likes to chase cattle. But he spends a lot of time in the pasture with cows and calves, I've never seen him chase them on his day off.

Ah, but you good horsemen say, "This horse loves to run," or "He was born to buck," or "I can tell he loves to pull this plow. He can't wait for me to crack this whip!"

I see them run and kick up their heels in an open pasture... but not for long. Are they having fun? Can horses have fun? Are they bored? Can they get bored?

I'd be hard-put to argue that they can't have fun, get bored or get mad.

Horses are domesticated animals. Under the care of and at the pleasure of those who pay for their keep. It is not their choice. It is ours. Like teenagers, if we give them room and board we expect something in return. At our pleasure, even if our pleasure is team roping, showing Arabians or just a good companion.

But in the end, it's all work to a horse.

www.baxterblack.com

170@375.00

250@450.00

### USDA, NASA sign agreement to improve agricultural, earth science research

The U.S. Department of Agriculture and NASA have signed a memorandum of understanding aimed at strengthening their longstanding partnership on space-based assets benefitting life on

The agreement brings together NASA's experience with technology development and spaceborne Earth science measurements and USDA's scientific experience and knowledge of agricultural production, resource conservation, food security and safety, and forests and working lands.

USDA and NASA will explore research gaps of importance to the agricultural community that could be addressed through innovative Earth observation systems and technologies developed over the next decade. The collaboration also will address recommendations made in the 2017 National Academies' Earth Science Decadal Survey.

"As we've seen over the past 100 years, increasing innovation in agriculture is limitless," said U.S. Secretary of Agriculture Sonny Perdue. "This partnership between USDA and NASA will bring to-

by Packer cows and bulls.

sible so we can get them highly advertised.

gether the best research, science, and technology we have to offer to help produce more food to feed the growing world. We are continuing an already great collaborative effort to utilize space-based technologies across sectors and into agriculture."

"When we combine research on the International Space Station with the amazing capabilities that Earth observation provides, I believe that NASA, in partnership with USDA, could transform farming and bolster agricultural production in ways we can't even imagine today," said NASA administrator Jim Bridenstine. "Microgravity research can unlock secrets in a wide variety of fields, and I'm particularly excited about our agency's potential impact on next-generation agricultural techniques."

The agreement also will leverage USDA's connections with the agricultural community and the global marketplace.

The partnership outlined in the agreement will benefit a variety of Earth and space-based goals, including activities in support of NASA's Artemis program, which will land the first woman and

Livestock Commission Co., Inc.

SALE BARN PHONE: 785-825-0211

MONDAY — CATTLE • HOG SALE 2nd & 4th MONDAY

Hogs sell at 10:30 a.m. on the 2nd & 4th Monday of the month. Cattle at 12:00 Noon. Selling calves and yearlings first, followed

THURSDAY — CATTLE ONLY

Selling starts at 10:00 a.m. Consign your cattle as early as pos-

AUCTIONEERS: KYLE ELWOOD, BRANDON HAMEL & GARREN WALROD For a complete list of cattle for all sales check out our website www.fandrlive.com

ATTLE USA.com LIVE CATTLE AUCTIONS

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

SPECIAL WEANED/VACC. SALE, TUESDAY, JANUARY 5, 2021 All weaned at least 30 days & all fall vacc.

13 blk S&H 450-600: 20 blk S&H 450-600: 47 S&H 400-450: 65 blk S&H 500-550; 75 blk S&H; 50 charx S&H; 100 blk S&H 500-600 doc weiler angus sired; 96 blk&red S&H 450-700; 18 S&H 500-600 blk ang/60days weaned fall vacc; 110 blk&red S&H 550-700 Judd Ranch; 110 S&H 700-800 HR weaned September Green Garden BJ sired hfrs OCHV; 45 blk S&H 500-700; 70 blk few red S&H 600-800b, mostly balancer&angus sired; 85 blk&charx S&H; 110 sim/ang S&H 750-900; 500 blk S&H 650-800 FANCY Walrod simk composite; 200 blk S&H 550-800; 85 S&H 550-700; 320 blk S&H 650-850; 340 blk S&H 650-850 hfrs rep1 quality; 110

S&H 650-800 sim/angusx; blk strs 600-700 90 days weaned vacc; 90

S&H 600-800 75 days weaned vacc; 115 blk S&H 550-650 HR; 130 blk

S&H 600-650 HR; 70 blk S&H; 160 S&H 600-750 2rd vacc; 200 blk/bwf S&H 2rd vacc; 75 strs 650-800 weaned Nov 5th vacc; 25 S&H 650-850

vacc; 56 S&H 600 Don Johnson angus sired open; 60 S&H 700-750; 120 angus strs 650-800; 50 char S&H 650 vacc weaned; 125 ang strs 700-775; 25 blk S&H 650-800; 44 blk S&H 650-800 HR 2rd no implant weaned

Nov 1st; 41 blk/bwf S&H 700-800 HR 2rd fall vacc weaned Oct 30th; 90

EARLY CONSIGNMENTS FOR THURSDAY, JANUARY 7, 2021

75 S&H 600-900 sim/Angusx 90 days weaned fall vacc open; 20 blk strs 700 LTW vacc; 65 S&H 400-650 30+ days weaned; 95 blk strs 550-750 LTW vacc off

wheat; 28 blk S&H 700-800 weaned Oct. vacc; 180 S&H 500-750 HR LTW vacc open Gardiner ang sired; 30 strs 600-800 60 days weaned 2rd fall vacc; 55 S&H

700-800 HR open 2rd; 180 blk S&H 500-700 70 days weaned vacc; 51 S&H 650-750 HR LTW; 45 strs 600-800 weaned fall vacc; 30 S&H 600 weaned 45 days

fall vacc; 110 S&H 600-700 2rd vacc weaned oct off cover crop; 70 blk sim/ang S&H 700-800 HR LTW; 35 blk S&H 550-650 vacc weaned Nov 1st; 20 S&H 700-800 weaned Sept vacc bunk broke; 85 mostly blk strs 525-550 LTW 2rd hotwire

broke; 62 blk strs 875-900; 120 hfrs 650-700; 60 strs 925; 75 blk S&H 500-650 HR

**SPECIAL COW SALE: TUESDAY, JANUARY 19, 2021** 

30 red angus hfrs OCHV'D vacc bred to proven red angus bulls start

Feb 15th Torn or Janssen hfrs red angus origin; 20 bred hfrs; 140 blk hfrs one iron Al bred to Herbster Angus bull clean up w/ proven LBW Hereford calve march 1st short period 1100# plus Wyoming origin; 10

blk hfrs; 80 blk hfrs; 40 blk hfrs; 50 blk hfrs OCHV Lyons angus genetics pelvic measured Al bred may 20 to franchise (red angus) cleaned up

with son of Tourot&duty blk angus gentle 1100# plus; 40 blk hfrs bred to Bredemeier angus bulls start calving Feb 16th 60 days or less; 25

blk&red spring cows 4-6yr old bred blk or red sim angus bulls.

blk balance-x S&H 600-850; 50 blk S&H 250-550 weaned/HR.

Salina, KANSAS

the next man on the Moon and establish sustainable exploration with our commercial and international partners. Plant-related research on the International Space Station, and other space or ground platforms, may lead to creative new ways to improve American and global agriculture, protect the environment, and contribute to better human health.

In addition, the agencies collaborate on education and communication activities to inspire youth in America to pursue careers in STEM and agriculture through the National Science and Technology Council's Committee on STEM Education.

For more information about NASA's Earth science activities, visit: www. nasa.gov/earth



1st Section ads: 12:00 p.m. Wednesday Classified Liner & Display ads: 10 a.m. Friday All other Display ads:

### Farmers **AUCTIONS EVERY MONDAY & THURSDAY**

**Selling Cattle every Monday** 

# Hog Sales on 2nd & 4th Monday of the month only!

### RECEIPTS FOR THE WEEK: 606 CATTLE & 1 HOG Lindchara

STEERS		1 blk	Lindsborg	1895@83.00	
300-400 \$183.00 - \$193.00		cows			
400-50	0 :	\$197.00 - \$207.50	1 blk	Kanopolis	1570@67.00
500-60	0 :	\$160.00 - \$170.00	1 blk	Kanopolis	1565@67.00
600-70	0 :	\$147.00 - \$157.00	1 blk	Courtland	1288@65.00
700-80	0 :	\$132.00 - \$142.50	7 blk	Beloit	1640@69.00
800-900 \$131.00 - \$		\$131.00 - \$141.50	2 blk	Beloit	1530@65.50
900-1,000 \$124.00 - \$1		\$124.00 - \$134.25	1 red	Canton	1675@66.00
HEIFERS		FERS	1 roan	Smolan	1505@66.00
300-40	0 :	\$155.00 - \$165.00	1 red	Hope	1520@66.00
400-50	0 :	\$145.00 - \$155.00	1 blk	Longford	1530@70.00
500-60	0 :	\$142.00 - \$152.00	1 blk	Tescon	1530@67.50
600-70	0 :	\$129.00 - \$139.00	1 blk	Ellsworth	1655@69.00
700-80	0 :	\$122.00 - \$132.00	1 bwf	Salina	1690@66.50
800-90	0 :	\$122.00 - \$132.25	2 blk	Sudan	1590@66.00
MONDAY, DECEMBER 21, 2020		11 mix	Sudan	1521@66.00	
BULLS		CALVES			
1 spot	Assaria	1355@81.00	1 blk	Hope	175@300.00
1 blk	Clearwate	er 1880@92.50	1 red	Hope	115@300.00
1 red	Canton	1990@93.50	1 blk	Tampa	100@310.00
1 blk	Salina	1635@87.50	1 blk	Brookville	250@460.00
1 red	Longford	2155@92.50	1 bwf	Brookville	300@450.00

Happy New Year!! Thank you for your business, we look forward to seeing you in the coming year!

1 blk

Salina

Salina

2175@87.50

New Cambria 2165@83.00

### **UPCOMING SPECIAL SALES 2021:**

All Sales are Tuesday at 11 AM

**WEANED/VACC. SALES:** Tuesday, Jan. 5 • Tuesday, Feb. 2

COW SALES: Tuesday, Jan. 19 • Tuesday, Feb. 16 • Tuesday, March 16 • Tuesday, April 20 • Tuesday, May 4

**DON JOHNSON ANGUS BULL SALE: MONDAY, MARCH 8, 2021** 

### **IN STOCK TODAY:**

- Heavy Duty Round Bale Feeders
- 42' ROUND BALE DUMP TRAILERS
- HEAVY DUTY 5000# GRAIN TOTE

### For Information or estimates, contact:

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

Jim Crowther 785-254-7385

Lisa Long 620-553-2351 Ellsworth, KS

Cody Schafer 620-381-1050 Durham, KS

Kenny Briscoe 785-658-7386

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

LTW vacc Green Garden.

Check our listings each week on

Austin Rathbun 785-531-0042



### our website at www.fandrlive.com

Roxbury, KS Lincoln, KS Agenda, KS Ellsworth, KS Cattle Sale Broadcast Live on www.cattleusa.com 1150 KSAL, Salina 6:45 AM -MON.FRI \* 880 KRVN 8:40 AM - WED.-THURS. \*550AM KFRM - 8:00 am, Wed.-Thurs.

### Be aware of manganese deficiency risks this winter

By Stephanie Hansen, **Iowa State University** 

Minerals are essential for health and reproductive success of the cow, but also support fetal development. We easily overlook minerals and vitamins in gestating cow diets, so now is the time to plan for a strong calving season. Manganese is an essential trace mineral and deficiencies have increased in recent years. Manganese supports cartilage formation and bone growth and calves born with manganese deficiency often cannot stand properly. One characteristic sign of manganese deficiency is exposure of the bottom row of teeth, as the nose is full of cartilage and is underdeveloped in deficient calves.

In many cases, manganese deficient cows were wintered almost exclusively on corn silage. Often there was no supplement provided, but even when manganese was supplemented at or above recommendations, cases of deficiency were observed. Corn silage analysis revealed excessive concentrations of iron. Iron is abundant in soil and can contaminate corn silage during harvest or if silage is stored on a dirt pad. Under conditions

of low pH, such as occurs during normal fermentation of silage, iron in the soil becomes available to the cow for absorption. Unfortunately, iron competes with manganese for intestinal absorption. When too much available iron is consumed the body shuts down absorption to prevent iron toxicity, and manganese absorption is decreased.

To prevent manganese deficiency in your herd this winter, consider the following strategies:

Get a nutrient analysis of your silage. including the minerals to see if high iron is a problem (higher than 300 ppm iron is suspect.)

Include minerals and vitamins in your supplement.

Monitor cattle intake if you are using a free choice mineral, and

If you know your silage is high in iron provide at least 60 ppm manganese in the diet and consider a more bioavailable form of Mn (like a chelated Mn, or use an injectable Mn).

Optimal mineral nutrition of gestating cows will not only support health and production of the cow but also ensure the calf gets off to a good start in 2021.

### Governor Laura Kelly announces start to 2021 **Exporter of the Year Award nominations**

Governor Laura Kelly has announced that the Kansas Department of Commerce is now accepting nominations for the 2021 Governor's Exporter of the Year Award.

The Governor's Exporter of the Year Award is the highest honor the Governor of Kansas awards to businesses. Exporters of the Year are considered best in class in conducting overseas business from Kansas and are honored as examples of our state's excellence in exporting to countries around the world.

"The Governor's Exporter of the Year Award is our state's way of honoring its greatest ambassadors — Kansas businesses," Kelly said. "Kansas businesses create outstanding products sought around the globe, and we're proud to share those creations with people worldwide. This award is dedicated to one company each year that demonstrates unique creativity, innovation, and strength of character as an exporter."

To nominate a business, including your own, visit https://www.kansascommerce. gov/governors-exporter-of-the-year-nomination-form/.

The International Division at the Kansas Department of Commerce oversees the process of selecting Exporter of the Year. In 2019, Governor Kelly reestablished the International Division, and since then the division has helped exporters and foreign investors achieve success in our state, with more than \$650 million in capital investment coming from international businesses in 2020.

"Our state excels at exporting, and it's because of the dedication, creativity, and commitment of extraordinary companies like the ones honored through this award," Secretary of Commerce David Toland said. "If you know of a business deserving of the highest award our state offers to exporters, this is a terrific opportunity to make sure they're recognized."

To be eligible to receive the award, companies must be in good standing with the state and currently operating in and exporting from Kansas. Nominations must be received by Jan. 31, 2021. There are no restrictions on who may nominate a company for the award.

## 4-H youth, volunteers leading local efforts to 'Beat the

Kansas 4-H members and adult volunteers recently took the bull by its proverbial horns in helping their communities cope with the ongoing grind of the COVID-19 pandemic.

They are helping to lead local discussions on the challenges that people are facing during a time when they are staying at home more, seeing friends less and - in some cases missing out on family gatherings.

Aliah Mestrovich Seay, a youth development specialist for community vitality, said the 4-H members' efforts are part of the statewide program, Kansas Beats the Virus, a public health partnership between the Kansas Leadership Center and the State of Kansas.

Throughout December. the Kansas Leadership Center is helping to fund groups to lead community

meetings and inspire local solutions to keep Kansans healthy, schools and businesses open, and the economy strong.

The KLC set a goal to host 1,000 community meetings in December. As of the middle of the month, the organization reports 1.150 meeting commitments, and 209 action plans launched in Kansas communities.

In most instances, the KLC provides trained professional facilitators to guide local meetings. In the case of Kansas 4-H, however, the organization is lending a helping hand by providing youth and adult facilitators that have received training through its Community Conversations program.

"I think the KLC thought that was pretty amazing that we have these youth and adults that are trained in positive youth development and know how to fa-

cilitate community conversations," Mestrovich Seay said.

According to Mestrovich Seay, 4-H youth and volunteers will help lead 20 community meetings by the end of December. Some ideas that have come from the conversations include volunteers making goodie bags for essential care workers - "including a handwritten 'Thank You' note," she said - and promoting a social media hashtag encouraging people to stay connected at a distance.

"I think this was the perfect time to do this type of activity because morale is down, people are tired, it's the holidays, and this is when we typically get to see family and friends, do caroling... (but) we aren't going to be able to do those in the same way as we've done before," Me-

strovich Seay said. 'Youth are able to miss their friends, but that they want to stay safe and they want to be leaders in their community to promote healthy living," she said. "I would say this activity not only created safer local environments, but also boosted morale. They are truly living out their 4-H pledge to pledge their health to better living."

In some early meetings, Mestrovich Seay said it was "interesting to see first-hand what youth are really thinking about."

"Some of them expressed worry about the fact that they could be asymptomatic and could carry or spread that to a high-risk family member, or to their grandparents or a very young sibling. To hear them speak so eloquently, in an educated way, about this virus, I was really impressed not only by the background information they had but also how they put their understanding into practice to stay safe and better their community."

A growing number of 4-H youth continue to receive training in facilitating community conversations around many topics. Persons interested in hosting a conversation led by youth in their area can contact Mestrovich Seav by email, aliah@ksu.edu.

### NPPC applauds Regan nomination to head EPA

President-elect Joe Biden has nominated Michael Regan as the next administrator of the Environmental Protection Agency (EPA). Regan most recently led the North Carolina Department of Environmental Quality (DEQ). The following statement may be attributed to National Pork Producers Council (NPPC) President Howard "A.V." Roth, a hog farmer from Wauzeka, Wis-

"NPPC congratulates Michael Regan on his nomination. As DEQ secretary in North Carolina, a leading pork-producing state, he always had an open door, valued diverse points of view, and worked to find solutions that ensured science and data were guiding decisions. We hope those same qualities will be carried over to his leadership at EPA. We look forward to working with him on issues of importance to U.S. pork producers, as we continue to produce the highest-quality, most affordable and nutritious protein in the world.

Regan's nomination will be considered by the U.S. Senate when the chamber convenes in January.

12/7/12/11/57



1-800-834-1029 **Toll-Free** 

STARTING 10:00 A.M. ON WEIGH COWS FOLLOWED BY STOCKER FEEDERS — 11:00 A.M.

OFFICE PHONE 785-776-4815 • OWNERS MERVIN SEXTON & JOHN CLINE



There was no sale held Friday, December 25th

Wishing you a very blessed Merry Christmas!

THERE WILL BE NO SALE JANUARY 1st, 2021

Have a safe and happy New Year!

#### **EARLY CONSIGNMENTS FOR JAN. 8** 42 Angus Char & SimmXstrs & hfrs, weaned Oct. 1, Bovishield gold shot, 600-700 lbs.

- 118 blk strs & hfrs, 1 complete rd Fall shots, weaned 60 ays, 500-700 lbs.
- 70 choice reputation Angus Gelv X strs & hfrs, weaned 45 days, 2 rds shots, 550-700 lbs.
- 200 Reputation Blk strs & hfrs, 2 rds shots/ weaned mid Sept., 600-850 lbs. 23 Blk strs & hfrs. 2 complete rd shots/ weaned 70 days, 550-650 lbs.
- 80 Choice Blk BWF strs & hfrs, Spring & Fall shots/ weaned Nov., 550-700 lbs. • 130 Home raised Blk & Red Cross strs & hfrs, 2 complete rd shots/ weaned Oct. 10.,
- 750-900 lbs.
- 60 Choice Reputation Blk BWF strs & hfrs, 2 complete rd shots/ weaned Oct. 31, 700-825
- 67 Choice Blk BWF strs & hfrs, weaned Nov. 27, green, 500-650 lbs. • 40 Red Angus & blk Angus strs, 2 rd shots, bunk broke, long weaned, 750-850 lbs.
- 50 Blk Hinkson Angus sired strs & hfrs, weaned Oct., 2 rds shots, 600-700 lbs.
- 70 Blk & Red mix strs, long weaned/ 2 rds shots/ green, 775-800 lbs.
- 70 Blk BWF hfrs, long weaned/ 2 rds shots/ green, 750-775 lbs. 15 Angus strs & hfrs, weaned/ 2 rds shots, 700-750 lbs.
- 40 Blk strs & hfrs, long weaned/ 2 rds shots, 400-700 lbs.

### EARLY CONSIGNMENTS FOR JAN

20 blk strs & hfrs, 3 rds shots, poured and wormed, weaned 45 days, 500-650 lbs. 50 blk Angus & Red Angus hfrs, 2 rds shots, long weaned, bunk broke, 650-750 lbs.

### Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to WWW.grassandgrain.com & logging onto the online subscription **SPECIAL STOCK COW WED., JAN. 13 • STARTING 11:00 AM**

**BRED 1ST CALF HEIFERS** 

- 47 Big fancy Angus 1st calf hfrs Al bred to LBW Angus Bulls, cleaned up Angus Bulls for early Feb. - Mar. calving.
- 20 Choice reputation home raised Angus 1st calf OCV hfrs AI bred to Barretts Bud and
- Barretts Walt April 30 cleaned up with Barretts Overdrive. 45 Big fancy Montana origin ¾ Angus ¼ Simm 1st calf hfrs, Al bred to ¾ Angus ¼ Simm Bull May 10, cleaned up w/ ¾ Angus ¼ Simm Bull. Hfrs have all shots including 1st rd of
- 40 Ang & F1 baldy 1st calf, OCV hfrs, bred Kaiser Angus hfr bulls to calve Feb. 1 Mar. 15. All shots, poured, 1 rd Scourguard.
- 20 Char Angus cross 1st calf OCV hfrs, 30 mo. old, bred to Moser Genetic LBW Angus bull for Feb.-Mar. calves. 1st rd Scourguard.
- 20 blk Angus 1st calf OCV hfrs, 30 mo. old, bred to Moser Genetic LBW Angus bull for
- Feb.-Mar. calves. 1st rd Scourguard. 20 Red Angus 1st calf OCV hfrs, 30 mo. old, bred to LBW Red Angus bulls for Feb.-Mar.
- calves. 1st rd Scourguard.
- 15 Home raised blk X 1st calf hfrs, w/ Angus sired Dec. 1-Dec. 10 calves by side.
- 45 big fancy Angus 1st calf OCV hfrs, bred to LBW Bredemeier Angus bulls Feb. 15 for 60
- day calving. 1st rd Scourguard given.
- 6 home raised 1st calf blk cross commercial OCV hfrs from reputation closed herd. Al bred to Ozzie or Concord for Feb. 8 calving, cleaned up 50 days w/ Fink calving ease bull. 1 rd Scourbos.

### **BRED COWS**

20 blk & bwf cows, 3-6 yrs w/ Nov.-Dec. calves by side. Calves banded plus blk leg, cows

- 105 blk & bwf cows, 3-6 yrs bred Angus bulls, Apr.-Jul. 1 for early Spring calves. Cows worked Nov. 12, Virashield 6 plus VL & Sydectin pour on.
- 5 blk Simm Angus cows, 6-7 yrs, bred LBW blk Angus to start calving.
- 25 blk cows, 3-5 yrs, bred Angus bulls for Feb.-Mar. calves.

Virashield 6 plus VL plus Sydectin pour on. 14 blk cows, mostly 3-5 yrs w/ 30-60 day Angus sired calves.

20 blk & Red cows, 3-5 yrs w/ Angus sired calves by side. FOR A COMPLETE AND UP TO DATE LISTING,

**VISIT OUR WEBSITE AT MCCLIVESTOCK.COM Upcoming Special Stock Cow & Bred Heifer Sale Dates • Wednesdays starting at 11:00 AM** 

### **2021:** Jan. 13 • Feb. 10 • Feb. 17 • Mar. 17 • Apr. 14 • May 5

### VISIT US ON THE WEB FOR DAILY CONSIGNMENT UPDATES AT WWW.MCCLIVESTOCK.COM FIELD REPRESENTATIVES

**JEFF BROOKS** 

785-353-2263

Cell: 785-562-6807

**BEATTIE** 

JOHN CLINE **ONAGA** 785-889-4775 Cell: 785-532-8381

ALAN HUBBARD **OLSBURG** 785-468-3552 Cell: 785-410-5011

BRENT MILLER ALMA 785-765-3467 Cell: 785-587-7824

TOM TAUL MANHATTAN 785-537-0036 Cell: 785-556-1422

**DAN COATES BALDWIN** 

785-418-4524

785-348-5448 Cell: 785-447-0456

**BRYCE HECK** 

**BURNS** 620-726-5877 Cell: 620-382-7502

SAM GRIFFIN

**ANDREW SYLVESTER WAMEGO** 785-456-4352

## ences are moving property lines: squatter's rights

By James Coover, Crop Production Agent, Wildcat and **Southwind Extension district** 

K-State Research and Extension will be hosting a Land leasing and Law Meeting on January 23rd virtually as well as in person at the Southeast Research and Extension Center in Parsons. We will cover how to create simple, but well-defined written leases, laws when it comes to leasing, and the results of a recent leasing survey in the Wildcat District. Please call a K-State Research and Extension Wildcat or Southwind District office to register (Altamont, 620-784-5337).

Fences, property lines, and adverse possession of land can be one of the most contentious issues in agricultural law. The laws, no matter which state you are in, are complex, usually very old, and not always well-defined. This article is to state what my understanding of the property boundaries laws are based on various state extension publications and is not meant to be a substitute for an attorney's advice.

#### The Partition Fence

A partition fence is the fence that is between two property lines and the majority of property lines have them. The issue is that not all fences are on the original property line. As hedge rows were planted, old fences were abandoned, and new fences were built, the original lines recorded in the county courthouse might not be where expected. Unfortunately, that nearly always means that someone has gained ground and someone

has lost ground, which is where the issues arise. **Adverse Possession** 

Under adverse possession, a landowner may acquire title to a property by making open and notorious use of that property for 15 years in Kansas and ten years in Missouri. Notorious in this sense means the usage is not in secret and the usage is obvious (such as grazing livestock and fertilization). The use of the land must be "hostile" which means the land isn't being rented or contractually granted.

Usually the instances of adverse possession is that the adverse possessor does not know they are on another's person land (adverse meaning unknown). The usage of the land needs to be exclusive, as in it can't be a driveway that is used by two land owners. The usage also needs to be continuous, so not divided into separate periods and possessed by a single party during that period. Usually these property/fence lines go uncontested for decades. However, problems arise when a land survey or some type of record inspection reveals the original lines. In both Kansas and Missouri, a land survey can't move a property line, only a court order can do that. The payment of property taxes also doesn't affect the laws of adverse possession. One way to officially move a property line and make it "marketable of record," is a quit-claim deed. This is a signed, notarized, and courthouse recorded agreement between adjacent landowners that should be done with an attorney's advice that is intended to keep a settlement out of the court system.

These laws of adverse possession make it important for land owners to protect themselves, or more likely, future inheritors or the land. If a fence is moved off a tree line, first it would be good to know if the tree line really was the original property line. A boundary agreement affidavit of sorts can be made and filed between landowners declaring the property line, removing the 'adverse" part of adverse possession. I would assume that permeant markers upon the actual property line would help with future issues. Looking at the Open Records for Kansas Appraisers maps could be an easy first step, but they are meant for land valuations and taxes and aren't necessary accurate enough for property line disputes.

This article was written using publications from Roger McEowen, Washburn Professor of Ag Law, and Joe Koenen, Missouri Extension Specialist. If you have any questions about finding agricultural law publications, please contact your local Extension office. However, any legal dispute over property line is an issue for an attorney and the court system. The Kansas Agricultural Mediation Services (KAMS) is a part of K-State Extension that can help mediation and legal assistance.

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

# Tips for managing does in late gestation

### diversified agriculture and natural resource agent. Wildcat Extension District

As a child during the month of December, I would be anxiously await for Christmas, excited to see what presents I would find under the tree Christmas morning. Now, I get just as excited for kidding season and for the first set of kids to hit the ground. I would guess that many producers feel the same way. While anxiously waiting for the first set of 2021 kids to hit the ground in the coming months, now is the time to make sure the nutrient requirements of does are being met to help ensure strong, healthy kids

and does in the spring. While making preparations for kidding season, ensuring that there is adequate shelter for does and kids and that you are stocked up on all the supplies you may need, it is also important to ensure that does are receiving the nutrients they need during the last four to six weeks of gestation, also referred to as late gestation. During

INTRODUCING

VALUE OF THE CROPS.

PURCHASE EFFICIENCY.

WE REALIZE THAT YOUR GREATEST ASSET IS THE

ABILITY TO PRODUCE AN EFFICIENT CROP SO WE

LEND YOU OPERATING FUNDS BASED ON THE

THAT MEANS YOU GET THE FREEDOM

WE PROVIDE UP TO

OF YOUR OPERATING CREDIT.

\* with approved credit

STABLE SECURE CAPITAL THAT PROVIDES

TO FIND OUT MORE CALL

**BRYCE LOYD** 

785-741-0161

TRUE OPERATIONAL INDEPENDENCE

TO CHOOSE INPUTS AND MAXIMIZE

late gestation, about 70 percent of fetal growth occurs; as the fetuses grow and take up more room rumen capacity will decrease. While the energy and protein requirements of the doe increase during late gestation, her rumen capacity decreases. This is because of the decreased rumen capacity there is not enough space in the rumen for the doe to meet the higher nutrient requirements by consuming more feed. Instead the doe must consume higher quality, more nutritious feed. Due to increased energy demands to support fetal growth supplemental nutrition is usually required, especially for does that are carrying multiple fetuses (twins, triplets, quads). As a result, the doe's nutritional requirement of both energy and protein will increase. Meeting the nutritional needs of the doe by ensuring the doe has access to good quality forage along with supplementing with grain if needed, will help ensure does are consuming adequate nutrients to support

pregnancy toxemia (ketosis) and milk fever, and help ensure the arrival of strong, healthy kids.

Nutrient requirements will vary by age, weight, body condition, number of kids, and weather. To meet the increased nutrient requirement of late gestation, it is usually necessary to supplement with grain, especially if the quality of available forage is low. Generally, does require 12 percent protein and 60 percent total digestible nutrients (TDN) during late gestation. To find out the amount of protein and TDN in your hay you can send in a hay, sample in to be tested. Pregnancy toxemia (ketosis) is caused by decreased blood glucose levels (blood sugar) and a rapid breakdown of fat to maintain blood glucose levels and meet energy requirements. Not meeting the nutrient requirements of does can result in pregnancy toxemia (ketosis), low birth weights, weak kids, and poor milk production. Calcium is also an important part of the diet for pregnant does as it is needed for bone development in kids and milk production, needing around .4 percent calcium in their diet. If does do not receive enough calcium in their diet or have too much calcium during late gestation it can result in milk fever. The ratio of calcium to phosphorus should range from 2:1 to 1:1 for pregnant and lactating does. Milk fever (hypocalcemia) is a blood calcium deficiency due to the body's system not being able to activate and mobilize calcium, which most commonly occurs in dairy does right

before or after kidding. While it is important to make sure the nutritional requirements of does are met, it is also important to make sure does are not overfed, as overfeeding can result in overweight does that have an increased risk of difficult births due to larger kids, and pregnancy toxemia (ketosis). It is important to meet the doe's nutritional needs, but not exceed those nutritional needs by overfeeding grain. Meeting the nutritional requirements for does includes managing the way they are feed as well as what they are fed. When supplementing with grain, weigh the grain to ensure they are being fed the correct amount to meet their nutritional requirements. Do not feed on the ground, make sure the feeders are

to waste. Ensure there is adequate space at the feeder(s) for all does to eat at a feeder at the same time. Feed does that need supplemental feeding separately from does that do not need extra feed. Encourage exercise by placing feed and water in different areas of the pasture and remember when feeding grain to increase the amount they are being fed gradually. It is also important to remember that water is the most important nutrient and water requirements increase during pregnancy, almost doubling during the last month of pregnancy. Water should be clean and icefree to ensure adequate intake. If animals do not drink enough water, it can reduce dry matter intake.

Along with ensuring the nutrient requirements of does are met, it is also important to check does during late gestation to see if the need to be dewormed. To determine which females need to be dewormed, check their

ate their body condition and hair coat, and/or collect a fecal sample for a fecal egg count. Three to four weeks before kidding, does should be vaccinated for colstridal diseases and tetanus, as late gestation vaccinations are important to protect kids against enterotoxaemia (clostridium perfringins type C). To vaccinate does, CD/T or Covexin-8 can be used. When kids are born they do not have a fully functioning immune system. By giving the doe a CD/T or Covexin-8 booster before kidding, it will protect the doe and the kids will receive passive immunity through the colostrum and milk. Also remember when working does during late gestation, to handle them in a low-stress environment to make the process the least stressful for the does as possible.

For more information, please contact Adayen Scronce, Diversified Agriculture and Natural Resource Agent, adaven@ ksu.edu or (620)331-2690



### **EFFECTIVE**

785-539-7558

GRASS&GRAIN CLASSIFIEDS

gandgclass@agpress.com www.grassandgrain.com

The COVID relief package passed by Congress included legislation introduced by Rep. Roger Marshall, M.D. to provide much-needed payment protections for livestock sellers.

Marshall applauds final

passage of SALE Act

"As a teenager, I spent three years of weekends working at a sale barn in El Dorado," said Marshall. "And while that was hard work, today's world of cattle is a little more complicated than when I was sorting heifers and steers. Unfortunately, we've seen too many instances of sale barn owners holding hot checks passed by cattle dealers with empty bank accounts. This bill will help protect those businesses and the producers working with them and assure that both are fully compensated for their animals. Protecting our livestock owners has been a top priority for me during my time in Congress, and I am honored to see this legislation finally made into law."

The bipartisan Securing All Livestock Equitably (S.A.L.E.) Act, was first introduced by Rep. Marshall in the House in October 2017. The S.A.L.E. Act will place livestock sold to a dealer, and proceeds/receivables from already sold livestock in a trust until the original seller has been paid, ensuring that producers and livestock auctions have a legal recourse in the event of a dealer default and/or bankruptcy.

"I appreciate the help of the Livestock Marketing Association and Senator Pat Roberts, Chairman of the Senate Agriculture Committee, for their help in moving this legislation forward and ensuring its final passage," Marshall said.

### NOW IS A GOOD TIME TO GET RID OF **UNUSED ITEMS ON THE FARM**

### **GRASS & GRAIN Classifieds** are the perfect way to do it!

### CLASSIFIED LINER ADS:

### 65¢ per word.

Discounts available for pre-paid ads that run 2+ weeks.

Visit us online, give us a call, stop by, or fill in and mail the ad form on page 16 to submit a classified liner ad.

### **CLASSIFIED DISPLAY ADS:**

### \$10.50 per column inch.

Discounts not available.

Give us a call, stop by, or contact your Grass & Grain sales rep to place a classified display ad!

www.GrassAndGrain.com 785-539-7558 1531 Yuma St • Manhattan, KS 65502

### **CLASSIFIED LINER ADS look** like this. First line is in all-caps

and bold. No other formatting available. Pay by-the-word. Words counted by a space. Phone numbers or words separated by a dash are 1 word. Words separated by a backslash are counted as 2.

#### **CLASSIFIED DISPLAY ADS LOOK LIKE THIS!**

· Includes a defining border

around the ad. Pay by the inch.

All formatting is available. Photos/ logos optional. Can be 1 or 2\* columns wide. \*Depending on classification

Color is now available for classified display ads!\* \*Color is \$15 per inch. Ad must be at LEAST 1colX3.5" to run in color in the classified section.

# GRASS&GRAIN

# **EMAIL**

### ARRIVES IN YOUR INBOX EVERY **MONDAY AFTERNOON!**

Low cost, easy to sign up and use!

<u>Current print subscribers</u> can receive the email edition at no extra cost. All we need is your email! Call and we'll get you set up!

### For more information:

Subscribe online: GrassAndGrain.com

Give us a call: 785-539-7558

Or stop by: 1531 Yuma St., Manhattan, KS 66502

We will NEVER sell your information, and you will not receive any junk emails from or as a result of us.

\*\*\*DUE TO THE CHRISTMAS HOLIDAY, THE NEXT REPORT WILL BE ISSUED JANUARY 5TH, 2021

Hay market prices for the week ending December 19 were steady, demand remained strong and movement only 105 tons less than the previous week. Alfalfa continues to strengthen, across the state, and is hard to find according to contributors in the southwest. According to U.S. Drought Monitor for the week of December 8th, southwestern Kansas saw modest improvements including a reduction in areas of Moderate Drought (D1) in southwestern Kansas where recent snowfalls have helped to improve local conditions. Abnormal dryness (D0) decreased to 22%, moderate drought (D1) remained at 40%, severe drought (D2) decreased to 9.5%, and extreme drought (D3) remained at 10%. If you have any extra hay to sell and/or need hay here in Kansas, use the services of the Internet Hay Exchange:www.hayexchange.com/ks.php.

#### **Southwest Kansas**

Dairy alfalfa, grinding alfalfa, ground and delivered steady; movement good to moderate. Alfalfa: horse, premium small squares 250.00-260.00. Dairy 1.00-1.05/point RFV, Supreme 185-237.00.00, Premium 170.00-195.00, Good 150.00-178.50. Stock or Dry Cow 155.00-165.00. Grinding alfalfa 150.00-160.00, with instances at 165.00-170.00. Ground and delivered locally to feed lots and dairies, 160.00-175.00 with an instance at 180.00-195.00. Grass Hay: small squares none reported, large 4x4 squares 100.00-110.00, large rounds none reported; Sudan: large round 85.00-90.00. Sorghum: large rounds 80.00-90.00;

Corn Stalks: ground and delivered 70.00-75.00; Wheat straw, small squares 3.50-4.50/bale, large 3x4 squares 80.00-90.00. The week of 12/13-12/19, 7,794T of grinding alfalfa and 2,975T of dairy alfalfa was reported bought/ sold. The average paid by feedlots on December 1 for alfalfa ground and delivered was 156.33, up \$1.23 from the previous month, usage was 617T/day, up 10% and total usage was 18,502T.

#### **South Central Kansas**

Dairy alfalfa, grinding alfalfa, ground/delivered, alfalfa pellets, steady; movement moderate. Alfalfa: horse, small squares 255.00-275.00. Dairy, 1.00/point RFV, Supreme 185.00-225.00, Premium 170.00-195.00, Good 150.00-178.00. Stock cow, 150.00-160.00. Fair/good grinding alfalfa 135.00-145.00 delivered. Ground and delivered 150.00-165.00. Alfalfa pellets: Sun cured 15 pct protein 190.00-205.00, 17 pct protein 200.00-210.00, Dehydrated 17 pct 305.00-310.00. Grass Hay: Bluestem, 3x4 and 4x4 squares 100.00-110.00, large rounds 60.00-90.00. Brome: large 4x4 squares 100.00-120.00, large rounds 95.00-100.00. Teff: large 3x4 squares 135.00-145.00, large rounds 120.00-130.00. Sudan: large rounds 75.00-85.00. Milo ground and delivered, 85.00-95.00. Corn stalks: large squares, 65.00, large rounds 60.00. Wheat straw: large 4x4 squares, 65.00-75.00. The week of 12/13-12/19, 7,589T of grinding alfalfa and 170T of dairy alfalfa was reported bought/ sold. The average paid by feedlots on December 1 for alfalfa ground and delivered was 136.12, up \$3.49 from the previous month, usage was 303T/day, up 2% and total usage was 9,093T.

#### **Southeast Kansas**

Dairy alfalfa, grinding alfalfa, ground/delivered steady, grass hay steady; movement slow to moderate. Alfalfa: horse or goat, 230.00-240.00. Dairy 1.00-1.05/point RFV. Stock cow 150.00-160.00. Fair/Good grinding alfalfa, large rounds 130.00-145.00 delivered. Ground and deliv-

Grass & Grain, December 29, 2020 Page 13 ered, none reported; Grass hay: Bluestem, small squares 120.00-125.00, good 3x3 squares 100.00-125.00, good, 3x4 squares 100.00-120.00, large 4x4 squares 100.00-110.00, large rounds 70.00-80.00. Brome, good, small squares none reported, 3x4 to 4x4 squares 95.00-125.00, large rounds 75.00-85.00. Wheat Straw: 3x4 and 4x4 squares 60.00-70.00. The week of 12/13-12/19, 1,640T of grass hay was reported bought/sold.

#### **Northwest Kansas**

Dairy alfalfa, ground/delivered steady, grinding alfalfa steady to 10.00 higher; movement slow. Alfalfa: Horse or goat, 220.00-230.00. Dairy, Premium/Supreme 1.00/ point RFV. Stock cow, fair/good 145.00-155.00. Fair/good grinding alfalfa, 120.00-140.00. Ground and delivered locally to feedlots and dairies, none reported. Sudan, large rounds 60.00-70.00. Wheat straw, large squares none reported.

#### North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay, steady; movement slow. Alfalfa: horse, premium small squares, 9.00-10.00/bale. Dairy 1.00-1.05/point RFV, Supreme 185-237.00.00, Premium 170.00-195.00, Good 150.00-178.50. Stock Cow, 150.00-160.00.

Fair/good, grinding alfalfa, 115.00-125.00. Ground and delivered 130.00-150.00. Grass hay: Bluestem, small squares 5.50-6.50/bale, 3x4 to 4x4 squares 100.00-105.00, large rounds 60.00-90.00. Brome, small squares 6.50-7.50/ bale, 3x4 to 4x4 squares 110.00-120.00, large rounds 75.00-85.00; Sudan, large rounds, 60.00-65.00. Wheat Straw: small squares 5.00-6.00/bale, large 4x4 squares 75.00-85.00, 100.00-110.00 delivered, large rounds 65.00-75.00. The week of 12/13-12/19, 1,443T of grinding alfalfa and 367T of dairy alfalfa was reported bought/sold.

\* Posted by Kim Nettleton, Kansas Department of Agri-

\* \*Prices are per ton and FOB unless otherwise noted

# CoBank: COVID-19 will continue to steer economy throughout 2021 A new report from From CoBank: "Rough- more food being bought hog herd brings into a

CoBank details ten key factors driving and shaping the economy in 2021. There is one big factor that weighs heaviest on the pace for economic recovery—the speed and reach of the COVID-19 vaccinations. CoBank expects that as the vaccine is distributed more broadly, the latter half of 2021 will show stronger consumer demand.

"The coming year will be a recovery year for most Americans and the businesses that make up the U.S. economy," said Dan Kowalski, vice president of CoBank's Knowledge Exchange division. "The early part of the year should look very different than the latter, but in total, economic growth is estimated to be about 4%, following a retreat of roughly 4% in 2020."

We march through the final days of 2020, here are those ten factors to watch in 2021:

#### 1. Global Economy: Uneven Recovery Ahead

CoBank economists say COVID-10 will steer the global economy in 2021 and the pandemic will continue the trend of uneven economy recovery. It's noted China has recovered fastest from the pandemic, and Europe has suffered the most. The pandemic's long-tail will be the government debt around the world.

From CoBank: "Our confidence in GDP forecasts has increased since mid-2020, but uncertainties related to the dissemination and uptake of vaccines mean timing the recovery is still exceedingly difficult."

#### 2. U.S. Economy: COVID is Still the Economy

The next couple of months are critical in for domestic economy as fiscal policy decisions are made.

ly 10 million Americans who lost their jobs early in the pandemic have yet to find work, and many of them are receiving some form of public support. If and how Congress chooses to fund further relief will impact the speed of the recovery."

### 3. Monetary Policy: Less **Dramatic but No Less**

CoBank cites central banks as "economic heroes" through the pandemic, giving the Federal Reserve's quick action in the early weeks and continued stabilization as an example.

From CoBank: "With short term interest rates firmly at zero, the Federal Reserve will manage a few levers in the coming year, advocating for fiscal policy and keeping a close watch on longer-term rates and inflation, among other things."

#### 4. U.S. Government: **Sweeping Leadership** Changes

With the new Biden administration and narrow margins of power in Congress, CoBank cites managing the pandemic as the primary focus before infrastructure, trade policy, social justice or climate change can take precedence.

#### 5. U.S. Farm Economy: A **Strong 2020 Finish Boosts** Potential

After more than onethird of net farm income Protein: Higher Feed Costs from government payments in 2020, the new year starts with higher commodity prices and low interests, which will provide an "important financial buffer" in the year ahead. CoBank expects farmland values to remain stable in 2021

#### 6. Specialty Crops: **Preparing for More Shifts** in Consumer Demand

Less foodservice and

via retail has brought historic shifts in logistics and supply chains. This will bring further adaptation in the specialty crop industry.

From CoBank: "Some growers, packers, and processors have successfully managed to increase or reroute products into retail channels like grocery stores and home delivery of food boxes. However, steep financial losses from the loss of foodservice contracts will ultimately result in the rationalization of some processing assets and production acreage."

#### 7. Grain, Farm Supply and **Biofuels: Recovery in** Motion

From CoBank: "The outlook for grain is more favorable than a year ago, although carry has evaporated with the inversion of futures prices. The outlook for farm supply cooperatives is positive for 2021 following a very orderly harvest, rising grain prices and decent farm liquidity. The ethanol outlook is stable but guarded. with considerable growth and margin opportunities favoring ethanol co-products vs. fuel. After experiencing a near 50% reduction in demand during mid-March 2020 to mid-April 2020, fuel ethanol in the U.S. has recovered to about 90% of pre-COVID levels."

### 8. Dairy and Animal and Restaurant Reboot

The top challenge for livestock in the year ahead is shaping to be rising feed costs as corn and soybean meal prices are at multivear highs. Domestic demand is dynamic with the changes in foodservice demand, and international demand is also in ques-

From CoBank: "China's rebuilding of the nation's hog herd brings into question its appetite for foreign protein in 2021 as supplies climb. The U.S. dairy sector stands to benefit from the rebound in Chinese hog production with dry whey used as a protein supplement in China's hog feeding rations."

#### 9. Rural Electricity: From Reactive to Adaptive

One big area of change CoBank expects in 2021 is an increase in solar. Its economists point to one report claiming solar is the cheapest form of energy in history and business leaders are pointing to the renewable source to be included in climate change mitigation efforts.

#### 10. Rural Communications: Big Spending Not Likely, **But Regulatory Change Is**

From CoBank: "We expect a good bit of gridlock in Washington in 2021. It's likely that any COVID-related stimulus will focus on near-term economic needs versus investing in projects that take years to produce results. That leaves the Federal Communications Commission (FCC) as the remaining institution in Washington to enact policies that will help rural communication providers. In 2020 the FCC held its Citizens Broadband Radio Service (CBRS) spectrum auction that was much more rural friendly than any of its past auctions. And as a result, rural operators are now able to build carrier-grade fixed wireless networks at significantly reduced costs."

# GSI

**GRAIN BINS** 

**ALL SIZES AVAILABLE Hopper Bins Available** FINANCING AVAILABLE **Harder AG PRODUCTS** 

West Highway 50 PEABODY, KANSAS 66866 Phone 620-983-2158 www.grainbinsusa.com

### Biden makes EPA, Interior, climate czar appointments

President-elect Joe Biden announced he will nominate Michael Regan, North Carolina's top environmental regulator, to head the EPA. The nomination would put Regan in charge of the agency set to carry out Biden's climate change plans, which call for eliminating carbon dioxide emissions from the power grid in 2035 and putting the country on a path toward net-zero emissions by 2050.

Biden is also expected to name Gina McCarthy, Obama's former EPA administrator as the White House climate czar, a new high-level role tasked with spearheading the government's domestic response to climate change. McCarthy will join John Kerry, former Secretary of State, who will lead the nation's international response.

Biden also announced New Mexico Rep. Deb Haaland will lead the Interior Department.

### Kansas milk production increases six percent

Milk production in Kansas during November 2020 totaled 336 million pounds, up 6% from November 2019, according to the USDA's National Agricultural Statistics Service. The average number of milk cows was 173,000 head, 8,000 head more than November 2019. Milk production per cow averaged 1,940 pounds.

grassandgrain.con place a classified ad renew a subscription

### FURNITURE, ANTIQUE, PRIMITIVE, COLLECTIBLE & MISC. HOUSEHOLD AUCTION FOR JULIA & The Late DON CHEGWIDDEN

SATURDAY, JANUARY 9, 2021 -AUCTION LOCATION: 627 Market Street — PORTIS, KS

FURNITURE: Bookcase; Smoking Stand; Baker's Rack; New Stackpack Bookcases; 4 Drawer File Cabinet; 2 Door Bookcase; What Not Cabinets; Table; Children's Rockers; Hutches; Magazine Rack; Cedar Foot Stools; Several Cedar Chests; C fice Chair; Bentwood Chairs; 3 Stackpack Bookcase (Globe Warnike); (2) 6 Stack pack Bookcases (Macy – 1 w/ Drawer) and Stackpack Pieces; Nice Trunks; Smal Cabinet; 6 Drawer Chest; Lawn Chairs; Alum. Step Stool. **ANTIQUES-PRIM** ITIVES-COLLECTIBLES: Sears Child's Stove, Refrigerator, Sink Set; Lots of Dolls inc/ Cabbage Patch (some NIB), Irwin, Indian, Wooden, Dolls of all Nations Bed Doll, 3 Faced, China Head, Brush Dolls; Postal Bank Boxes; Dresser Lamps Pictures (Farm Scenes by Raymer, Moorland & Mist, Pete Graham), Lone Wol one Ranger, John Wayne, Pencil Drawings by Burgess, Levin & Login; Regulato Clock; 1937 Cal Snider Produce Lenora, Ks Adv. Calendar; Southwestern Bas kets and Pottery Pieces Signed Ronald Smith (Navajo); Paperweights (Western Elec. Etc); Camel Saddle; Child's wagon, Ironing Boards, High Chairs, Strollers Quilts and Racks; Child's Bliss Piano; Sewing Notions; Fancywork; Luggage; Sal & Peppers; Cow Hides; Sugar Bucket; Type Set Drawers; Keen Kutter Grinder and Others; Twig Basket; Henry McKenna Crock Jug; Firestone Adv. Tire Ashtray; 45 33, 78 rpm Records; Thimbles; Frankoma Pieces; Piano Rolls; Bells; Patterns an Norkbaskets; Avon; Movie Projector; Bread Box; Child's China Sets (Blue Willow Akro Agate, etc); Wooden Rum Barrel; Spoon Collection (some Sterling); Pie Biro CLBull Bank: Knives (Mossy Oak and Others): Jars of Buttons: Belt Buckles: Lots o Books (Recipe, Sewing, Paperback, Reference, Zane Grey, etc.); Signed Dumler Downing Geese and Duck Decoys; Stock Doctor Encyclopedia; Cattle Skull; Dresden Figurines; Paper Cutter; Pittsburgh & I Red Wing Crock Chicken Waterers Pickle Jars, Milk and Other Jars; Some Occupied Japan Pieces; The Great Bool of Currier & Ives; Tins; Plains Indian Books; Large Pottery Jar; Nice Old Children Books; Roy Rogers Lunch Box (Missing Thermos); English Silver Flower Spoons Silhouette Pictures; Canes; Benton, Myers Crock Jug; Cast Iron Door Stop; MR Peanut Jar; Brown Splatter Granite Teapot; Perfume Bottles; Metal Coke Carrier Vol. 1 & 2 History of Kearney Co., KS; Brass Pieces. DON'T MISS THIS SALE!

### Please go to our website For Full Listing! www.woltersauctionandre.com

Sale Conducted by: WOLTERS AUCTION & REALTY 627 Market St., Box 68 • Portis, KS 67474 • 866-346-2071 Cols. Jim Wolters, Broker & Auctioneer Phone 785-346-2071; Cell 785-545-7097 Email: wauction@ruraltel.net • Website: www.woltersauctionandre.com

"I put an implement on the free online ad site and got no calls. I put it in Grass & Grain and got eight calls the first couple of days... and sold it."

~ Russell Reichart, Holton ~



### HERINGTON LIVESTOCK COMMISSION CO.



**CATTLE SALE EVERY WEDNESDAY:** 11:30 AM

12/23/20 SALE RESULTS



### NO SALE WAS HELD DECEMBER 23RD

### EARLY CONSIGNMENTS FOR DECEMBER 30

60 MB strs, 850-875 lbs. • 60 MB strs, 850-875 lbs.

 60 MB strs, 875-900 lbs. • 6-7 loads of feeder strs, 850-950 lbs.

MORE CATTLE BY SALE TIME

Our Consignments can now be viewed after 12 Noon on Mondays by going to <u>www.grassandgrain.com</u> & logging onto the online Subscription.

### **View Our Auction Live at LMAAUCTIONS.COM**

KFRM AM 550, Every Wed., 8:00 a.m. • Barn Phone 785-258-2205 www.HeringtonLivestock.com

Manager: Tracy Ediger, 785-366-6645 Dave Bures - 402-766-3743 • Bob Kickhaefer, Cell - 785-258-4188 Tim Wildman, 785-366-6152

### IFIED 353

**CLASSIFIED AD DEADLINE IS 10:00 A.M. FRIDAY** Although complete name, address and phone number need not appear in your ad, we must have this information for our records. Phone #: Address: \_\_\_\_\_ City: \_\_\_ State: \_\_\_ Zip: WRITE YOUR AD HERE

### RATES AND DISCOUNTS

RATE: 65¢ a word. Number of words: \_\_\_\_ @ 65¢ each Cost for one week:

FIGURE YOUR COST HERE:

Multiply one-week cost times number of weeks you want ad to run.

Run ad consecutive weeks.

CLASSIFICATION: Cost for weeks:

**DISCOUNTS:** (For PRE-PAID orders only)

deduct 10% if ad runs 2 or 3 weeks; deduct 25% if ad runs 4 weeks.

Less discounts: \_

TOTAL: \$

PAY WITH (PLEASE CIRCLE ONE):

CHECK MASTERCARD VISA DISCOVER Card No. Exp. Date

V-Code (required) last 3 digits (see sample: 567) located on the back of your credit card on

the signature panel. Signature:

**AUTHORIZED SIGNATURE** 1234 567 NOT VALID UNLESS SIGNED.

### **CLASSIFICATIONS**

CATTLE GOAT SWINE SHEEP HORSES **POULTRY FERTILIZER TRAILERS** FEED & SEED **MACHINERY AUTOMOTIVE** 

**EMPLOYMENT** REAL ESTATE **ANTIQUES** SERVICES **PASTURE** 

WANTED IRRIGATION HARVESTING **PETS** 

LIVESTOCK OTHER

LIVESTOCK EQUIPMENT

**BUILDINGS-BUILDING MATERIALS** 

BINS - DRYERS - VACS

MOBILE HOMES

SPRAY EQUIPMENT

**BUSINESS OPPORTUNITIES** 

WELDING

MISCELLANEOUS

### REMINDERS

- Please notify us of any errors at once. We cannot be responsible beyond the first insertion.
- NO REFUNDS!
- BY PHONE: Ads not accompanied by payment have \$1.00 billing charge added, and discounts are not available.

**GRASS** 

**CATTLE** 

Four Ways To Place Your Ad CALL: 877-537-3816 TOLL-FREE OR 785-539-7558 MAIL TO: AG PRESS, Box 1009, Manhattan, Kansas 66505 FAX: 785-539-2679 **ONLINE:** www.grassandgrain.com



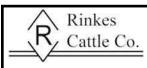


15 BLACK SIMANGUS bred heifers. Due March/ April. Bred to calving easy Simangus bull. All shots, weigh 1150, great disposition. 785-258-0173.

#### 30 Performance Tested Sim-Angus bulls

Yearling to 2 year olds, black or red polled, semen checked, vaccinated, poured, very gentle.

Luin Berger 785-268-0647 Cell



50 Registered Angus bred cows, 3-7 yrs old

50 Fall Calvers

HOLTON, KANSAS 785-845-5272 • 785-817-2328 www.rinkescattle.com rinkescattle@gmail.com



### Yearling to 2 year olds

Performance Data Available **Good Maternal Traits** Fertility Tested Continuously raising Angus cattle for 71 years.

### **Vering Angus Greg Vering**

Marysville, KS 785-562-7164 Cell 785-562-3988 Home

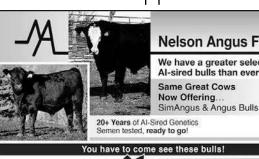
WOLF CREEK ANGUS RANCH 12 ANGUS BULLS

### For Sale by Private Treaty

- 2 year olds Featured Sires: Dually, Command, Hoover Dam, Capitalist, and Black Granite. Performance Tested
- Fertility Tested Fully Guaranteed
- Free Delivery in KS & NE. Volume Discounts

See Performance Data & Price List at: www.WolfCreekAngus.com LURAY, KANSAS

785-698-2225



### **Nelson Angus Farms**

We have a greater selection of Al-sired bulls than ever before. Same Great Cows Now Offering.



### CATTLE

Yearlings Complete Performance Data Semen Checked



7477 Davis Creek Rd **GUS GUSTAFSON & FAMILY** Junction City, KS Gus Gustafson 785-238-7306



### & Charolais **Bulls For Sale**

Over 250 18 month old &

available on our website Please check for updates throughout the Spring.
• Genomic enhanced EPD's on every bull in all three breeds.

**HARMS** 

Mark & Kim Harms 2528 250th Street Lincolnville, KS 66858 Email: hprbulls@tctelco.net www.HARMSRANCH.com

620-924-5544 Mark Cell: 620-382-6388 Kim's Cell:

### CATTLE

### **Hereford Bulls**

Females



**Herefords** 



· Our goal is to get the right bull to the right herd every

· See our display ad in this is-

**PLAINVIEW RANCH** 

maternal focused,

calving ease,

good disposition.

TERRY OHLDE

785-747-6554

tohlde62@gmail.com

Offering high-quality

**Charolais Bulls** 

**Private Treaty** 

Structurally Sound

Quiet Disposition

Fertility Tested, Virgin Bulls

For more information or pictures contact:

**Nick Hargrave** 

785-293-2176

nahargrave63@gmail.com

SPRINGHILL HEREFORDS

**FOR SALE** 

**PRIVATE TREATY** 

Service-Age Bulls

Calving Ease • Performance

Efficient • Docile

**Dave Stump** 

785-556-0124

Dan Schmidt

785-562-6685

Blue Rapids, KS

785-556-0124

ANGUS BULLS

FOUNTAIN-

**HARGRAVE** 

**CATTLE** 

**COMPANY** 

#### **ANGUS & SIM-ANGUS** 18-24 month old bulls available, easy fleshing,

Call us for your needs



## Gustafson



## **Angus, Red Angus**

Spring yearling bulls available Your Private Treaty Headquarters. Over 25 years experience in Private Treaty & Sight-Unseen Sales. You won't be choosing from bulls that "didn't make the sale" or were "caught" in the

 Videos, data, and catalog It's time to come home to...

> Visit us at SpringhillHerefords.com A Gold TPR Breeder **RED & BLACK**



- ★ Performance Data
- Available ★ Good Maternal Traits & **Great Disposition**
- ★ Reasonable Prices \* Bring this Ad - Receive
- \$50 Discount Randy Huninghake Frankfort, KS 785-556-0319 Cell

785-292-6019 Home

### CATTLE

#### POLLED HEREFORD BULLS. Ready to work, well-developed. 20 mo. to 4 y.o. available. Free delivery. Kanza Cattle, Chapman. 785-313-6565.

SIMMENTAL BULLS AND heifers for sale. Show heifers, broke to lead. Ames Simmental, Wymore, Nebraska. 402-645-3544, 402-520-2422.



SMOKY VALLEY Angus

Yearling Registered Angus bulls, Al sired, performance tested, carcass ultrasound, genomic enhanced EPD's, semen checked & guaranteed.

Lindsborg, KS 785-227-5414

### **POLLED HEREFORD BULLS**

**Bred for Complete** Performance

Growth

Muscle

Maternal

 Disposition Fertility Tested and

Guaranteed

### DETTKE FARMS Call:

**BRIAN DETTKE** Marysville, KS 785-562-6257

### **ON TARGET BULL SALE**

HEREFORD • ANGUS March 20 • 1 p.m.

**NEW SALE LOCATION** On Target Bull **Development Center** 990 Tumbleweed Rd Blue Rapids, KS

Broadcasted online at DVAuction.com

Selling 37 Hereford bulls. 24 Angus bulls, 20 Hereford first-calf pairs, 10 Hereford heifers, and 10 Angus heifers.

Learn more at OnTargetBullSale.com

Springhill Herefords

**Dave Stump** 785-556-0124 **Dan Scmidt** 785-562-6685

Alcove Cattle Co. Ken Duensing 785-268-0898

### **CATTLE**

**RED ANGUS BULLS**, 18 months, raised on grass and forage. Moderate, good disposition. Hoft Red Angus, Ellsworth. 785-472-3734, 785-472-

Wheatland Farms Yearling Registered Angus Bulls Al Sired, **Larry Shippy** 

Hope, Kansas 785-479-2103 785-479-1725



Good bulls with balanced EPD's, practical development good disposition & eye appeal.

Oleen Cattle Co.

Falun, KS GLENN CHUC

### 785-668-2368 785-668-2454 **ANGUS BULLS**

18 to 24 Months Old Also Yearlings

· Good maternal traits Gentle disposition Calving ease Priced to sell

**BUSS ANGUS** Leonardville, Kansas C: 785-410-3006

### H: 785-293-4444 Rinkes

Cattle Co. For Sale Private Treaty: REGISTERED

**ANGUS BULLS** 150K enhanced EPDs Performance Tested, Fertility Tested, Free Delivery, Guaranteed Sight Unseen Purchases.

**Excellent Disposition.** 

Priced to sell!! HOLTON, KANSAS 785-845-5272 • 785-817-2328 www.rinkescattle.com rinkescattle@gmail.com

### ANGUS & SIMMENTAL-**ANGUS BULLS**



- cattleman Yearlings & 2-year olds w/
- calving ease and growth Excellent selection w/ volume
- Performance data available · Good maternal traits

**HUNINGHAKE ANGUS** Frankfort, KS Leo Huninghake

Home: 785-292-4537

Cell: 785-556-2648

### CATTLE



**Private Treaty** 

18 Month Angus Bulls

Al Sired

Registered

Calving Ease

**Gentle Disposition** P.I. Negative David J. & Doris, Daren Ronnebaum

785-294-1511

### **SWINE**



HAMP BOARS Supreme Bred Gilts **Bred for Mid-January** 

### **GALEN & ROBERTA HARMS** Whitewater, KS 316-799-2382 **SWINE**

**EQUIPMENT** Buildings — Ventilation Flooring — Feeders Waterers — Heaters Crates - Nursery Equip.

**K & N** Swine Systems RICK HENRY 785-336-2130

SENECA, KANSAS

### **HORSES**

**BUYER FOR ALL TYPES OF** horses. Call Charlie, 785-556-

### LIVESTOCK EQUIPMENT

**HOLD 'EM FENCE Company** barbed wire, welded continuous fence, pipe, custom tubs, gates, alleyways. Cell 785-313-4552, http://www.holdemfence.

FALL 50% OFF SALE ON Tire Water Tanks & Feeders. WHILE SUPPLIES LAST! endurobrandlivestock.com 785-231-8397



• HYDRAULIC CHUTES **WORKING CIRCLES**  CAKE FEEDERS **CONTINUOUS FENCING** PANELS & GATES

Luco Mfg. Co

See us at www.lucoinc.com Or call toll free: 1-888-816-6707 PO Box 385 Strong City, KS 66869

# **TOP QUALITY**

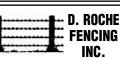
### **GRASS & GRAIN DIRECTORY**

### **Custom Manure Hauling & Spreading**

Big to Small Jobs! **Chore-Boyz Services** 913-636-1099

**Blue Valley Drilling, Inc. Water Well Drilling & Service** Family Business Over 70 Years **CONTACT ERIC STRADER** 785-363-7353

**HALDEMAN** WELL DRILLING & **PUMP SERVICE** 785-539-9295 MANHATTAN, KS



DON ROCHE 785-292-4271



**FARMS AMERICA** to SELL Farm Ground & Rural Property.

JIM HOLLINGER

### or call 620-257-8148



TERRI HOLLENBECK. Broker ANDREW SYLVESTER, Auctioneer **BILL DISBERGER, Coordinator** JESSICA HOLLENBECK, Office Mgr. www.kscrossroads.com 785.539.2732



mer & Fall Auctions. If you have I or 1,000, we'd like to talk to you. We will also buy collections or individual guns. Dan@ArmsBid.com or

785-862-8800 • 800-466-5516 Topeka, Kansas



#### **GANNON REAL ESTATE** & AUCTIONS **VERN GANNON, CAI**

Broker/Auctioneer Manhattan, Kansas 66502 785-539-2316 785-537-9003 www.gannonauctions.com
The Experienced Sound In Selling

purplé wave

## **BUY & SELL**

**Ag Equipment** Const. Equipment & Vehicles 1.866.608.9283

purplewave.com

LIVESTOCK EQUIPMENT

### FEED & SEED

**R&D PIPE & POST** 3 1/2" OD, \$2.70/ft. 4 1/2" OD, \$60/ ton. 785-799-5593. \$3.65/ft. 2 3/8" and 2 7/8" OD also available. Sucker rod 3/4"x25', \$8.25 apiece.

Delivery available. on, Ks. 785-249-3303. Wilsey, KS 620-767-2907

#### GOBOB'S YEAR END edge wrapped. 785-220-8996. TRIPLE PLAY SALE

Get thousand\$ in discounts on feat. cattle equipment. 785-456-7240 . Help friend\$ and family get

BIG discount\$ too! . Get Section 179 tax

deduction\$!

For details all 855-880-7964 today! or go online to

GoBobKS.com

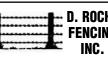
### **PASTURE**

LOOKING FOR LONG TERM Summer grass for Rinkes Cattle. 785-817-2328

### **NEEDED:**

Pasture for 2021 grazing season for DRY Fall calving cows. Up to 640 acres.

**BJ Angus Genetics,** Manhattan, KS. Please call 785-532-9777 or email john@bjangus.com



**QUALITY BUILT FENCES** 

FRANKFORT, KS

#### **AUCTIONEERS**



Manhattan, KS 785-565-8293

www.ruckertauctions.com

RUCKERT REALTY & AUCTION

Homes, Farms, Ranches, Land, Auctions & Recreational Property



**GAVEL ROADS IS THE PLACE TO GO TO BUY AND SELL EQUIPMENT.** 

785.587.7737 www.gavelroads.com READY ... SET ... SOLD!

### GENE FRANCIS & ASSOCIATES

Serving all 105 Kansas counties with more than 30 years of experience.

Offices located in Wichita, Manhattan & Anthony. Call us today at 316.524.8345

www.genefrancis.com A bid above the rest!

### Pearl Real Estate & Appraisal Svs., Inc.



**MIKE PEARL** 

 Auctions • Farm Real Estate Sales & Appraisals 602 W. Bertrand, St. Marys, KS 66536 Office: 785.437.6007 Cell: 785.256.5174 www.pearlrealestate.org pearlre602@gmail.com



YOUR AD COULD BE HERE! **Grass & Grain** 

• 785-539-7558

**SORGHUM SUDAN BALES** 

**BIG SQUARE PRAIRIE HAY** 3x3, \$100/ton. Dennis, Scrant-

BROME HAY FOR SALE, 1400 lb. John Deere cover

FOR SALE: 175+ SOYBEAN bales. Net wrapped, 1100 lbs.

FOR SALE - BROMEGRASS large round bales. Net wrapped – John Deere baler. Approx.: 1600-1700 lbs./ bale. Excellent quality - never rained on in windrow. Will load, no charge.

Call: 785-541-0740

**FEYH FARM SEED CO** Alma, Kansas Native Grass Seed Wildflowers **Smooth Brome Grass Erosion Control Products Cover Crop Seed** 866-765-3415

Nativeseed@Kansas.net www.FeyhFarmSeed.com

## WANTED DAMAGED GRAIN

We pay top dollar for damaged grain. Trucks and vac's available. Immediate response anywhere.
Pruess
Elevator, Inc
1-800-828-6642

#### **FERTILIZER REAL ESTATE**

message.

acres, Clay County. 785-388-

640 ACRES OTTAWA CO.,

mostly grass and CRP, on oil

road. 785-392-2241, leave

Looking for that

special place in

the country - to

buy or sell?

Call

Dolly Anderson, Broker

G&A Real Estate, INC.

785-532-8801

Manhattan, Kansas

dollyanderson.com

**FARM & RANCH** 

**Land For Sale** 

Sumner Co .- 60 acres all

gently rolling crop land East

of Caldwell. Call Chris 493-

Sumner Co .- 158 acres

gently rolling crop land near

East of Caldwell. Call Chris

Saline Co.- 21.5 acres with

22 acre railroad lease. 37.5

acres cropland South of

Brookville. Call Chris 493-

Ottawa Co.- 10 Acre Build-

ing Site & 20 Acre Building

Site Northwest of Bennington

on blacktop. Call Chris 493-

Farm & Ranch Division Of:

BANKER 9

Antrim-Piper

Wenger Realtors®

631 E Crawford Salina KS

www.cbsalina.com

1-800-276-3641

H ....

493-2476.

2476

**CUSTOM AMMONIA** application. DMI bar with Raven cold flow and closing discs. \$15/ acre. 785-220-8996.

### AUTOMOTIVE

WANTED: '73-79 CHEVY OR GMC 3/4 ton 4x4 pickup. 816-387-6091.



Allison Automatic, Duramax Diesel. New Farm Aid Mixer Several Daycabs available Feed Mixers and Manure Spreaders Kuhn Knight, new & used Belleville, KS

800-536-2293



MIDWAY MOTORS McPherson,KS Hutchinson, Kansas • Hillsboro, Kansa Newton, Kansas

2017 Chevy Silverado 2500 HD crew High Country 4x4, 6.0 gas, loaded, 72k mi. 2015 Chevy Silverado 3500 HD crew LTZ 4x4, 6.6 diesel, loaded, 69k mi.

2019 Ford F250 XL crew, 4x4 diesel, auto, 47k mi. 2017 Ford F350 crew Platinum 4x4, diesel, loaded, like new, low miles. 6k mi. 2019 Ram 2500 Big Horn, crew 4x4 diesel, auto, 49k mi. 2019 GMC Sierra 2500 HD

Ask for Kris Hanschu krishanschu@ midwaymotors.com 620-755-2824

Denali crew 4x4, diesel, load-

### **REAL ESTATE**

### **FOR SALE:**

114 ac. hay meadow/ pasture with 2 ponds, 1/2 mile West of Carlson Rd on Glacier Rd in NE Wabaunsee Co.

**Kellner Realty** Wayne Kellner, Broker 785-582-4013

### WABAUNSEE CO.

2 Br, Ranch style home with 3 acres, Skyline Rd, walkout basement, home is in good condition, \$115,000, Melanie Batterton: 785-554-0043

### SW JACKSON CO. 78 Acres

near Emmett, diversified farm with 32 acres creek bottom crop ground, 33 acres native pasture, nice pond, 13 acres of tree/creek area, \$214,500

### 70 Acres

near Emmett with 65 acres of terraced crop ground, mostly Pawnee clay loam soils. Crops have been on corn/ soybean rotation. \$252,000.

### JEFFERSON CO.

108 Acres Nest of Valley Falls, diversified farm with 57 acres of pasture ncludes some brome hayable area, 14 acres crop ground, 11 acres of tree/creek area. \$248,000.

Visit our website for detailed info, maps & photos.

Pearl Real Estate & Appraisal Sys., Inc. **Contact Mike Pearl:** 

785-256-5174 or 785-437-6007, www.pearlrealestate.org

## HORIZON

FARM & RANCH REALTY, LLC 1-888-825-1199

www.horizonfarmranch.com

### AG LAND

NEW LISTING! AWESOME COUNTRY HOME 12 Ac+/- NW of McPherson. Call Ray! NEW LISTING! 296 Ac+/- Tillable South of Abilene. Call Ray! NEW LISTING! 160 Ac+/- Tillable @ Geneseo. Call Derek!

\* 751 N. 170TH RD- Bennington. 3.3 Acres on Blacktop, 4 Bed, 1 Bath, Complete Update/Remodel, Nice Home! Call Ray! \* 160 Ac+/- Tillable/Pasture at Junction City. Seller is Licensed Real Estate

\* 160 Ac+/- Pasture NW of Lindsborg. Rural water and power in place. \* 615 Ac+/ - Mostly Pasture w/ Creek Bottom Tillable, Blacktop Frontage.

Just S. of Bennington State Lake. Call Rav! - SOLD! MORE LISTINGS ON OUR WEBSITE!

\*Auctions \*Private Treaty Sales \*Value Assessments Ray Swearingen Broker/Owner.....785.452.8498 Ty Bryant | Billy Randle | Derek Isaacson 785.366.0261 | 785.479.1152 | 785.452.0566



#### **TRAILERS**

FOR SALE: 50' WILSON floor FOR SALE: PASTURE, 237 trailer. 620-341-0585

### CIRCLE(D)

LIVESTOCK & HORSE **TRAILERS FLATBED TRAILERS** • 1-800-526-0939 • www.circle-dtrailers.com

### Trailers 4 U 785-292-4166

Frankfort, KS

ERRITT TRAVALONG www.trailers4u.com

### & DONAHUE When There's Work To Do..

DONAHUE! 1-800-457-7406

### Elite Aluminum Stock Trailers

www.donahuetrailers.com

Titan — Sharp Your Trailer Super Store! **Mid-Plains Equipment** 

E. Hwy 30 & 10, POBox 2526 Kearney, NE 68848 **Delivery Available** 308-237-5810 www.midplainsonline.com

Blue Valley Trailers Waterville, Kansas



SHARP MFG. LLC

### *HILLSBORO* Industries

Hayliner - Bale Buzzer New Trailers

 Used Trailers Trailer Repair See used at

bluevalleytrailers.com 785-363-2224



BOB'S TRAILER SALES

Pomona, Kansas 785-418-2227 www.bobstrailersales.com

Circle-D, Elite, Travalum,

Travalong, Bulldog, Ironstar, Titan **B&W Hitches** Turnover ball: \$595

Free Installation! 2021 14' hydraulic dump trailer, two 7k axles ...\$8,000 2021 Utility 18+2, two 7k axles ......\$4,285 • 2021 Travalum 24' stock

trailer ..... \$16,200 2021 Circle D stock trailer. 20' ......\$8,500 • 2021 Circle D 24', Full cleated floor, bull pkg, loaded

..\$11,250 2021 Circle D 24' stock ...\$9.500 2021 Elite 30' 10k axles gooseneck flatbed... \$9,500 2021 Elite 25', 2-7k axles Gooseneck flatbed .....\$6.950 2021 Elite 25' 10k axles Gooseneck flatbed .....\$8,650 2021 Elite 32' 10k axles

Gooseneck flatbed .....\$9,850 All Elite flatbed trailers low profile and torque tube, dual jacks and toolbox.

### **MACHINERY**

**SALVAGE COMBINES** ALLIS N7-6, L2, L, M, G, F2,

F, CII, AII; JD 8820, 7720, 7700, 6600, 4400, 3300, 105 95, 55; MF 860, 760, 750, 510, 410; IH 1680, 1480 1460, 915, 815, 715, 503, 403; NH TR70-85, 1400, 995 985. 975. **SALVAGE TRACTORS** 

ALLIS 7000-7080, 220, 210, 190XT; D17-19; JD 84-8630, 7520, 6030, 5020, 4630, 4430, 4020, 3020, 720, 730; CASE 1470, 1370, 1270 1200, 1070, 930, 400; IH

1568, 1466, 1256, 1066,

1026, 806; FORD 4-5-6-8-

9000; MF 2745, 1155, 1100, 90, 85; OLIVER 2150; MM G1000; WH2-150, 4-150. Mike's Equipment BUHLER, KANSAS

1-800-543-2535

### **MACHINERY** FOR SALE: 213 JD FLEX

head. 9115 Massey flex head. Jack Boyle, 785-564-0511, 785-294-2236

CASE-IH 2166, LOW HOURS on complete reconditioning. \$29,500. Retiring. 816-387-6091.

JD 158 LOADER, 7' BUCKET, grapple fork, \$3750. JD 9500 combine, \$20,000. 4910 Hesston baler, \$20,000. JD 4440, \$26,000. 785-577-5656.

Guaranteed Used Truck Tires, most sizes. GeeTire.com Rossville, KS. 785-231-8397

#### Case & IH **Tractor Salvage** Case 300's thru 2096

IH 460's thru 5488 Over 1000 Tractors on shelf New & Rebuilt parts for all brands of tractors/ combines

Want to buy Case & IH salvage tractors

Elmer's Repair

CENTRALIA, KS

785-857-3248 www.elmersrepair.com **Gleaner Combines** 98 R62 Cummins\$29,500 '95 R62 Cummins\$19,500 '81 L2 .....\$9,500

825 Flex Head .....\$8,500 EZ Trail Gravity Wagons, Grain Carts, and Header Trailers.

'81 M2 RWA .....\$8,500

**Great Plains Tillage Tools** 

**81 Farm Eq. Service** McPherson,KS 620-241-3100 1-800-357-3101 www.81farm.com

BERG REPAIR

14200 Godlove Rd.



Calving Pen

Net wrap & twine available. **NEW EQUIPMENT** 

Vermeer:

504R signature baler VR1022-1224 wheel rakes

BPX 9010 Processor Winkel Calving Pen Portable Corral

BPX 9000 Bale Processor MC 3700

#### Perfect Tree Saw 1710 Tedder

USED EQUIPMENT 504M classic R2800 Rake

R2300 Rake

• 665 with net • TM850 Mower Demo

#### **CLAAS** USED FORAGE **HARVESTERS & HEADS**

(5) '18 CLAAS 980 ..... FR. \$260,000 (4) '17 CLAAS 970 . .. FR. \$210,000 (2) '15 CLAAS 980 .. ..... FR. \$200,000 (2) '14 CLAAS 980 ..

.. FR. \$160,000 (2) '14 CLAAS 970 . .. FR. \$180,000 (3) '13 CLAAS 980 .. ..... FR. \$170,000

Great selection of CLAAS Orbis 750 Corn Heads ..... ..... From \$20,000

**TRACTORS** 12 Massey Ferguson 8660

.....\$90,000 '89 Case 9150 **COMBINES** 

11 Gleaner S67 ......\$80,000

'08 Gleaner R65 .....CALL '03 Gleaner R65 ......\$65,000 (2) '97 Gleaner R62 .....FR. \$20,000 '17 Gleaner 3312 .....\$65,000

'82 Gleaner 24' Header ...... ...\$2.500 

**WINDROWERS** 

15 Massey Ferguson WR 9870 ..... ...\$105.000 14 New Holland H8040 .. .....\$65,000 13 New Holland H8080 ...

.....\$70,000 **MISCELLANEOUS** '14 Baker 1000.....\$7,500

13 Great Plains 3610 .. .....\$40,000 12 John Deere 692 ..\$55,000 John Deere 9400 .....\$18,000 John Deere 9300 ......\$2,500 11 White 8772 ......\$25,000 Krause 4991 .....\$7,500



Jantz Trailer ......\$5,000

620-855-3567 KALVESTA, KS 67856

www.kickalvesta.com

Kalvesta Impl. Company, Inc.

### **MACHINERY**

JD 9500 COMBINE, RWA, 2453 separator hours, 3177 engine hours. 925 flex, full fingered. 925 rigid head. 785-479-1725, 785-479-2103.

Used Crownline bale bed, ber. sharp ... .....Call Grasshopper 720K zero turn mower, 52" deck Coming In



Phillipsburg, KS 785-543-2118

# Vermeer

**New Equipment** 604R Premium Baler 604N Baler 605N Baler 504R Signature Baler R2300 Twin Rake VR1224 12 Wheel Rake

4' & 5' Net Wrap & Twine **Used Equipment** 6640 Rancher Baler 605 Super M Baler

New in 2020 **Custom Inline Bale Wrapping** Wertzberger Ranch **Equipment LLC** 

> Alma, KS 785-765-3588

NEW Rakes: VR1428

**USED** Balers: 6- 605SM, 5- 605N, 2- 605SM corn stalk, 1-504N, 4- 605M, 1- 604M, 1-504SI, 1- 6650 Rancher, 1-6650 Rancher. Rakes: 1-R2800, 2- R2300, 1- VR1224 LARGER BALE FORKS

**SPRING STEEL AVAIL.** METAL **ROUND SQUARE TUBING ANGLE CHANNEL & FLAT** 2 3/8", 2 7/8", 4 1/2" pipe

**WELDING SUPPLIES** Oxygen C125 & acet. Bottles for sale Welding rods & wire

Top & bottom belts for all bal-Twine 4' & 5' netwrap

Portable panels, Feed Bunks & Round Bale Feeders Vermeer Sales &

Leasing LEONARDVILLE, KS 66449 785-293-5583 785-293-2542

#### - ITEMS FOR SALE -2013 Case 290 Magnum tractor 3636 hrs, MFWD ft.

duals\$90,000 2014 Case IH 280 Magnum
2014 Case IH 280 Magnum
tractor MFWD\$81,000
Case IH 260 tractor, 4340 hrs,
MFWD 5 hyd\$80,000
2012 New Holland TS6.140
tractor w/ 845 loader. \$46,000
Allis 7000 tractor \$7,500
IH 986 tractor \$8,500
Ford 8730 tractor \$22,000
Minneapolis Moline G955
tractor mechanic special
\$6,000
JD 158 loader\$2,400
2011 Case SV300 skid steer
CALL
2012 JD 630 flex head CALL
2015 JD 635FD draper head
CALL
JD 1293 cornhead CALL
JD 608C cornhead \$21,000
2012 JD 612 C cornhead
12x30\$27,500
2011 JD 612 cornhead CALL
CIH 2408 cornhead \$10,500
2009 CIH 3412 cornhead CALL
CIH 1020 flex head 25'.\$5,500
2009 Case IH 2162 draper
head 35'\$30,000
JD 853 rowhead\$3,500
1990 JD 912 pickup head
1 1 3 3 0 3 D 3 1 Z DICKUD HEAU

1990 JD 912 pickup head			
\$5,250			
J&M 875 grain cart CALL			
Haybuster 256 processor CALL			
NDE 804 vert. mixer \$14,000			
Jaylor 4405 feedwagon\$10,750			
2014 Kuhn Knight VT144T			
mixer\$18,500			
Haybuster 2620 bale grinder			
\$9,500			
H&S 310 manure spreader			

.....\$8,000 JD 660 manure spreader... .....\$6,000

JD 3970 Chopper......\$10,000 JD 716A silage wagon..\$7,000 13 Case IH WD2303 swather w/16' header ...... \$65.000 '09 New Holland 8040 swather

w/14' header ..... CALL Agco 9365 swather w/ 15' header.....

H&S HDX14 hayrake..\$11,000 Rowe WR14 hayrake.. \$14,500 2016 New Holland 560 baler roll belt ......\$22,000

**TUMBLEWEED** 

www.TumbleweedAuctionKS.com TumbleWeed Auction Co. LLC is taking consignments at anytime & has joined up with Jones Machinery, Inc., with 50 years knowledge in used farm equipment. Online auctions provided by AUCTIONTIME.com with

### **MACHINERY**

1990 JOHN DEERE combine for sale, 6732 engine hours, 4807 separator hours. Very clean, runs great, always shedded. Comes with 643 and 925F heads and trailers. \$25,000. 785-220-8996

1999 GLEANER R62 combine w/header. SN:R6269144, 1680 sep. hrs, Cummins eng., 2WD, header height control, header tilt, always shedded, 20' 500 series flex-header. Severy, KS Don Stephens, 620-583-4163.

### Vermeer



#### NEW

- ZR5 self propelled 604-605N net R2300 & R2800 rakes
- TM800 Trail Mower VR-8, 10, 12 wheel rake **USED EQUIPMENT** 604N
- TM800 Trail mower MC1030 MOCO MC840 605M net ramp floats
- **FEED MIXERS** FA-430 Feed wagon To view all of our New & Used Equipment, please check out our website: www.sloophook.com or give us a call: 785-828-4706

Sloop Sales & Hook's Repair Inc. Lyndon, KS 66451

**NEW TRACTORS** Kubota M7-152 PS, MFD, ldr. Call for lease specials Kubota M6-111 MFD w/ldr. Kubota M5-111 MFD w/ ldr.

**USED TRACTORS** 2018 Kubota L5460 HSTC 2018 Kubota L4701 HST w/

**NEW CONSTRUCTION** Kubota SVL 95-2 compact

track ldr Kubota SVL 65-2 compact track ldr

Kubota U35-4 mini excavator Kubota KX 057-4 mini exca-

**USED CONSTRUCTION** 2013 New Holland L220 skid steer ldr



**McConnell Machinery** 1111 E. 23rd Lawrence, KS 785-843-2676 **Evenings** 

### 785-979-2271 www.mcconnellmachineryco.com

. \$9.500

# 2013 Farm King rake 18 wheel

φο,σσσ
Krause 1900 disc 27' \$6,500
Kent series V field cultivator
42' \$8,500
JD 980 field cultivator CALL
Hiniker 6000 8r \$8,000
VPS Ripper 7 shank \$5,000
JD 885 cultivator CALL
2011 CIH 1250 planter 16R30
4800 acres\$65,000
CIH 1250 planter 16x30 4800
acres\$65,000
2009 JD 1990CCS airseeder
drill 42'\$47,000
2006 JD 1990 CCS airseeder
drill 30'\$53,000
0000 148 9 0000 1 1

2008 White 8800 planter 16R30 .....\$50,000 JD 7300 planter 8R36-38-40... ......\$6.000

JD 1700 planter 6R36-38-40.. .....\$8,500 2003 White 8100 planter 8x30 ......\$13,500 Kinze planter 8R36 ...... \$4,500

Ind. Am SPO7 snow pusher 7' ......CALL Ind. Am F10 box blade ... CALL Big Ten box scraper 10' 3pt.....

Skid Steer tree shear ...... CALL Skid Steer post/shrub puller ...

Bushhog mower.....CALL Malsam Terracer..... CALL Industrias 836R header trailer

**7 ACRES OF USED FARM EQUIPMENT ON OUR LOT - CHECK US OUT** 

Complete listing on our web: www.jonesmachineryinc.com **BUY/SELL/TRADE DAILY** 

> Smith Center, KS 785-282-3000

785-282-0432 Cell 785-686-4005 Evening Calls Welcome







### absolute & reserve option available. Call or stop by today!

#### **MACHINERY**

**MACHINERY** 

**SALVAGING COMBINES** 

N5, N7, L, L2, M, F, G, C, CII, AII, A&E, K Gleaner. 6620,

7720, 8820, 7700, 6600, 4400, 3300, 105, 95, 55, JD. 915, 1480, 1460, 1420, 815 IHC. 860, 760, 750, 510, 410,

300 Massey. Several black & orange Gleaner corn heads.

**Jack Boyle** 

Vermillion 785-382-6848 785-564-0511

**USED TRACTORS** 

'09 Case IH Magnum 215,

'03 JD 790 MFD ROPS 152

'02 Case IH MX200 3,157 hrs

'99 Case IH MX270, 5475 hrs

'96 JD 8300 MFD 7,995 hrs '95 JD 8770, 4WD, 3,903 hrs

'79 IH 686 diesel 6,580 hrs

'68 JD 4020 Synchro w/ 148

ldr., new injection pump

**MISCELLANEOUS** 

Case IH 900 8R30 front fold

'04 Case IH 2366 4WD 4,067

Case IH 900 planter 6R30

'89 CaseIH 1660 combine

11 Case IH 7088 combine

1882 engine, 1,384 sep.

11 Case IH 3406 corn head

'09 Case IH 2020 flex head

99 Case IH1083 corn head

13 EZ-Trail 510 grain cart w/

Phares-Wilkins grain cart 400

(2) Parker 2600 gravity wag-

'11 Cimarron 8' rotary mower

Woods XT 184 rotary mower,

'07 JD HX15 Batwing 15'

JD 1418 rotary cutter, 14'

10 Hesston 1474 mower

'09 Case IH DC132 disc,

'08 Case IH RB564 rd. baler

(2) CIH 6500 Conser-til, 14'

'04 Hesston 946A round baler

'07 Case IH Tigermate II field

'01 Case IH 3950 disk, 33'

JD 714 disc chisel 9 shank

Speeco 3pt post hole digger

and Pride HRL-3578 retract-

able shank box blade 6.5'

14 Cub Cadet LZ60 zero turn

**NEW EQUIPMENT** 

Farmall 65A MFD cab, ldr

Farmall 115A MFD ROPS

Farmall 105A MFD cab

Case IH 335 Turbo 28'

mowers and tillers

turn mowers

Several Bush Hog rotary

Killbros seed tender 260

Killbros seed tender 102

Complete line Bush Hog zero

ROSSVILLE

Truck & Tractor

ROSSVILLE, KANSAS

785-584-6195

AGRICULTURE

JD 915 V ripper 7 shank

JD 450 Hydra-Push manure

bushel

ons

spreader

conditioner

MOCO

ĴĎ 980 FC 27'

cultivator 36.5'

JD FBB drill 16x8

145 hrs

GB 900 Hi-master Idr

UFT 500 Graincart

eng., 3,005 sep.

3.705 hrs

'79 IH 1486 ldr

'79 JD 4240 QR

hrs

WANTED: SIX WHEEL articulating dump truck and Terex dozer. 816-387-6091.

2014 JOHN DEERE 635FD Flex Draper. Has updated wobble box supports. Very good condition. Call or text 620-218-4372. Asking \$56,000

#### 6 & 8 row John Deere **Corn Heads For Rent**

Adapters available, reasonable prices.

Jack or Garv 785-564-0511 785-294-2236

### Tire Town Inc.

20 8x38 New	\$825
340/85 R28 New	\$485
520 70R30 Buffed	\$700
480 70R28 Buffed	\$500
420 85R34 Used 70%	\$300
520/85R42 80%	\$800
7 184x38 10P New	\$525
600/65 R28 New	.\$1,000
9 360/70R28 Buffed	\$325
710/75 R42 Buffed	.\$1,600
23 R30 overstock	.\$1,100
184x34 New	\$480
800/70 R38 Buffed	.\$2,600
380/90 R46 80.00	\$750
800-444-7209 800-45	1-9864
913-441-4500 913-68	32-3201

#### SENECA IMPL. CO. Hwy. 36 West

SENECA, KANSAS JUST IN:

10', 12', 14', 16', 18', & 20' **GATES; CORRAL PANELS** 

Meyer Forage Boxes and Manure spreaders 10' corral panels......\$85.00 12' corral panels......\$90.00 14' corral panels......\$102.00 16' corral panels......\$110.00 USED EQUIPMENT

John Deere 720 diesel w/ 3pt, Case 830 gas tractor GB 660 loader CIH 5120 se-

ries Maxxum tractors GB 800 loader AC, D15 w/3pt w/ldr **SKID LOADERS** 

**& ATTACHMENTS** New Gehl out front dump buckets, higher reach New tire chains for skid steers 2015 Gehl V330 fully loaded

New Danuser Intimidator tree & post puller Tobin flip blade for skid steer Pallet forks 48" .....\$800 New M&M tree shears 8

grapples New CEA tree & post puller New CEA pallet forks New Mensch, manure scrprs New Danuser and Lowe post hole diggers, skid loader

mounts New brush grapples

New Bale Spears for big rnds

### WE ARE DEALERS FOR: GEHL BUSH HOG

Kelly-Ryan-**Kewanee - Westendorf** C.E. Attachments

**CALL TODAY:** 785-336-2621

### '15 Cat 242D, 775 hrs. C/H/A, Warrantv

- 605 NH LT185.B. C/H/A. Track, 2,390 hrs (2) '15 Cat 259D's, C/H/A, Warranty, 2-Spd
- '12 Case SR250, 950hrs, C/H/A, Joysticks 17 Case SR175, Open Cab, 760 Hrs
- '17 Cat 242D, Cab w/Heat, Wty, 2530 Hrs • '15 Deere 333E, 1850 Hrs, C/H/A, Wty \$41,500
- '10 Bobcat E26 Mini Excavator, Open Cab, Auxiliary Hydraulics
- '14 Gehl RT175 Track Skid Steer, 900 hrs. cab w/heat
- New Renn 1020C Grain Bagger..... New Renn RMC30 PTO Roller Mill....\$29,500
- 40+ Late Model Skid Steer loaders...In Stock • New H&S 5114 & 7116 High Capacity Rakes



## Firestone



\$3,336
\$816
\$264
\$935

Prices and Product availability are subject to change without notice

### **TOLL FREE** 866-888-7838

### www.donstire.net ABILENE, KS

#### **HAY EQUIPMENT** Vermeer 605 N rd. baler

w/net

#### **MISCELLANEOUS** 2007 J&M 750-18 grain cart scale & tarp

New Rhino 3150 Batwing shredder Gnuse L90 3pt. rear scoop Vermeer BPX 9010 bale processor 1990 Case IH 1083 corn-

head New Wemhoff 10' & 12'

Box Scraper Patriot 37' header trailer Crustbuster DD 36X10 grain drill 30' 7.5" spacing New Danuser Intimidator skid steer tree puller con 1632 grader rear steer

1981 JD 653A row crop

head, sold with or w/c trailer

2019 Westfield MKX 13x74 Auger power swing wa remotes & hyd. hopper





**SUPERIOR** IMPLEMENT, INC. 402-879-4723

Evening: 402-879-3719 SUPERIOR, NEBRASKA

#### **MACHINERY**

PLANTER SALVAGE IH 800-900-950-955 Cyclo JD 494-1280, 7000-7300, plate and plateless White 5100

Koelzer Repair Onaga, KS 785-857-3257

- USED IMPLEMENTS -2012 2856A Round Baler 3986 Hesston 16 wheel rake 2013 Gehl V270 skid loader 2015 S78 Gleaner 2010 Gleaner 8200 25' w/air

reel

1998 Gleaner R72 Gleaner 400 30' rigid Call us for your AGCO part needs!



Kuhlman Impl. LINN, KANSAS 785-348-5547

### **EMPLOYMENT**

### Fourth & Pomeroy **Maintenance and** repair position:

Position is responsible for regular greasing for bearings repairs and maintenance of belts, motors, pellet machine, grain elevator legs and air compressor. Repair

experience required with pay based on experience. Company provides paid employee health coverage, retirement program, paid holidays and paid vacation after one year.

Contact Rod, 785-632-2141.

### **KEY FEEDS**

Clay Center, Kansas is accepting applications for CDL drivers. Qualifications: Current CDL; Current medical card; Good driving record; Able to lift 50 lbs. Drivers will be home nightly. No over night stays. Competitive pay and benefits. Retirement & health insurance. Pre-employment drug screen required.

Applications can be picked up at Key Feeds, 105 4th St., Clay Center, KS 67432. For questions call Rod at 785-632-2141

### **BUILDINGS / BLDG MTLS.**

**SMITH POSTYARD Hedge Post Delivery Available** JEFÉ SMITH 620-496-8956

#### **Metal Panels** & Accessories

THE VALUE LEADER. WE **WON'T BE UNDERSOLD CALL FOR CURRENT METAL PRICING DELIVERY AVAILABLE •** 

WESTERN METAL **Best Service** 

Louisburg, Kansas 1-800-489-4100

### DIAMOND L SUPPLY Dwight, KS

29 ga 40yr ptd...... \$69.89/sq 29 ga Galvalume... \$55.68/sq 'Metal Roofing & Siding'

Complete Bldg. Packages Doors, Insulation, Livestock Equipment, Scales, Waters, Bale Beds & Cake Feeders (prices subject to change)

#### WANTED

WANT TO BUY WINDMILL pumps, complete and good shape only. 785-488-5150.

WANT TO BUY SALVAGE and non-running ATV's, snowmobiles, jet skis, and dirt bikes. Any condition, cash paid, will pick up. 402-469-2002.





buck! Call today & ask about our low rates! 877-537-3816

# After the holidays,

Once the holiday season has passed, homeowners still have at least one pretty important job to do: Disposing of

side pickup for Christmas trees, which are then ground up for mulch or burned.

Short of that – or if you miss the designated date in

your community - some other ideas that he offered include: Tie the tree to the corner of a backyard deck, deciduous tree or to a post near a bird feeder. Then spread some

block the wind on cold nights. Sink the tree in a pond to improve fish habitat and fishing. The tree serves as a coral reef for minnows and

shade and presence of prey. "To sink a tree, tie the base to a cinder block with a short, stout rope, and toss it in," Barden said. "Just be

Clip branches and use them for insulation and mulch for semi-hardy plants like roses. Split and dry the trunk for kindling; however, pitch pockets in the wet wood can explode when burned, sending hot embers up the chimney or across the room. Thus, Barden discourages

Barden and his colleagues in K-State's Department of Horticulture and Natural Resources produce a weekly Horticulture Newsletter with tips for home and yard. The newsletter is available to view online or can be delivered

clude: Caring for fruit baskets. Keep fruit in cool conditions to preserve its quality as long as possible. Thus, it is wise to disassemble the basket as soon as you receive the gift. Store bananas and other tropical fruits separately. With proper care, fruit may be able to be eaten three to four weeks after unwrapping the basket.

Storing pecans and other nuts. Excessive water loss can lead to shriveled nutmeats, and the fats and oils can quickly spoil (develop an off-flavor or rancid taste). Nuts quickly absorb flavors from other products, so store them in a tightly sealed container. If stored properly, nuts can be stored in a freezer for up to one year, but using them

contact your local K-State Research and Extension office.



Toll Free: 877-537-3816

### · 1.888.608.7913 · 26 ga 40yr ptd...... \$86.36/sq

Jobsite Delivery Available\* www.diamondlsupply.com

**Grass & Grain wants** 



## here's what to do with your Christmas tree

the Christmas tree properly. Kansas State University Extension forestry specialist Charles Barden notes many towns in Kansas offer curb-

birdseed. The tree will provide cover for predators and

other smaller aquatic life. Larger fish are drawn by the

sure to get permission from the pond owner first."

burning a green Christmas tree inside.

by email each week Other holiday-related tips from the newsletter in-

within six months is preferred. Interested persons can send their garden- and yard-related questions to Ward Upham at wupham@ksu.edu, or



## KLA members approve policy for coming year

milk labeling and inspection, and other key issues was approved by members of the Kansas Livestock Association (KLA) during the group's annual business meeting held virtually December 17. Ranchers, feeders and dairymen provided input during regional roundtable meetings in the fall and committee and council meetings that took place virtually over the past few weeks, with final approval coming from the general membership.

"KLA policy is developed through broad member input," said KLA president Jerry Kuckelman, a cattle feeder from Manhattan. "The resulting resolutions will direct officers and staff as we represent the membership on various issues during 2021."

Members voted in favor of a new resolution regarding raw milk labeling and inspection. The policy supports legislation that requires raw milk to be conspicuously labeled with a food safety warning label. It also supports legislation requiring all dairies to meet the same basic Grade A or Grade AA inspection standards as dairies that sell milk to a processor.

Existing policy regarding income taxes was amended

competition among agricultural lenders and equal access to credit for agricultural borrowers.

Policy focused on trade was amended by the membership to reflect support for bilateral and multilateral trade agreements that benefit agriculture. It also supports protecting the use of modern agricultural technology in bilateral and multilateral trade agreements. The policy originally was specific only to North American trade agreements.

An amendment was made to policy surrounding the control of noxious weeds. The policy suggests government should share financial responsibility for control of invasive plants, on private land, introduced by state and federal agencies without unnecessarily restricting the ability of landowners to utilize and manage their property.

Members reaffirmed policy containing the association's Statement of Operating Principles, which opposes attempts to narrow the business options or limit the individual freedom of livestock producers to innovate in the management and marketing of their production

A resolution focused on environmental regulations was reaffirmed. The policy supports legislative, judicial or administrative actions to minimize the effects of environmental laws, regulations or judicial determinations on livestock operations. It also supports maximizing economic opportunities for agricultural and livestock operations to meet such regulations. Additionally, the policy supports actions that allow maximum flexibility for such operations to meet regulatory obligations.

Additionally, members reaffirmed policy that supports strengthening penalties for anyone vandalizing or gaining unauthorized entry into a livestock facility.

In all, KLA members approved 64 resolutions for 2021. Other issues addressed in KLA policy range from animal health to cattle marketing to resource conservation.

KLA is a 5,700-member trade organization representing the state's livestock business on legislative, regulatory and industry issues at both the state and federal levels. The association's work is funded through voluntary dues dollars paid by its members.

### Behind the brand – what makes the Certified Angus Beef brand tick?

By Abbie Burnett

On the outside, clocks look simple. But the plain cover hides the famously complex yet dependable system of gears and circuitry known as clockwork. It's a lot of production for an effective tool. The Certified Angus Beef ® (CAB®) brand can look like that. A company working for cattlemen and women, driving demand for high-quality cattle through great eating experiences. But what complex system behind the scenes makes it work?

Kara Lee, assistant director of producer engagement for the brand, answered such questions at the November webinar,

"Getting to know the Certified Angus Beef brand."

She began with the roots, established more than 42 years ago by Angus breeders who believed they had to do better: "Better in terms of raising high-quality cattle that meet consumer expectations, and better in terms of offering the consumer a higher level of confidence that they can receive something that meets their consistent quality expectations every single time."

The only beef brand owned and operated by the American Angus Association, Lee said all funding for the extensive global program comes

from packer commissions, paid because they can sell the branded products for

"The way that we build demand is by ultimately meeting our brand promise to consumers-and our licensees who serve them-by having a consistent premium product every single time," she

The brand is unique, Lee added, because it owns neither beef nor cattle. It can't buy cattle or have any involvement in the price structure or determining who cattlemen sell to.

Demand, then, is built by the created, pullthrough model by which consumers seek the brand by name and consistently have the same great eating experience.

Which makes brand integrity the key to the clock.

Lee said the brand is also unique in tracking every pound from packing plant to those who sell to consumers. "We make sure that at no point along the way is any distributor, processor, retailer or restaurant selling more product

than they're buying." Surveys show 95% of consumers recognize the logo and associate it with quality, she said. By licensing and auditing packing plants, retailers, distributors and restaurants, the brand makes sure that perception stays true. Research even shows a willingness to drive a little farther for a grocery store or restaurant where they can buy beef with the CAB brand.

"When the consumer recognizes our logo and affiliates it with quality. we are able to achieve our overall mission statement, which is all about increasing that demand for registered Angus cattle through the specification-based program," Lee said. "While many pieces in this beef supply chain can feel very segmented, we know they're all very directly tied together in achieving that overall mission."

Despite 2020's struggles, the brand surpassed sales of a billion pounds for the fifth year in a row. Demand, indeed.

But how do cattle make it into the brand? With Rolex-level precision.

First, Lee "Angus" in-and-of-itself it not a guaranteed quality level. More than 70 other brands of USDA-certified programs use the Angus word, all of which run the spectrum of quality from

Only about three in ten Angus-influenced cattle meet all of CAB's science-based standards. That's why, Lee said, the brand vigilantly protects its three-word name.

"Just talking about Angus beef isn't good enough for the customer today, so it can't be good enough for us as a program." Lee said.

The initial threshold to qualification is simply Angus influence with black hide behind the shoulder. above the flank and in front of the tail head. But no cattle earn the brand before that hide comes off. she said, and each one is evaluated by that USDA grader for all ten carcass specifications.

Of all the Angus-identified cattle, only about 35% make the cut. The four biggest disqualifiers are not enough marbling, out-of-range ribeve size or carcass weight, and back fat thickness of more than an inch.

Of those four, 92% fail for lack of marbling. If that term seems like a consistent talking point, Lee said that's why.

"It's not because we believe in single-trait selection. We know that you have a lot of different

traits that are very important to both a registered or commercial cow herd." she said. "The reason we talk about marbling so much is because it's the number one place where there's money left on the table because a producer missed out on their Certified Angus Beef premiums from not having enough."

The good news is, about 40% of what influences marbling is based on genetics, Lee said.

Beyond that, what happens on the ranch and at the feedlot greatly influences how consumers respond to it.

"What all of this ultimately boils down to is, quality pays," Lee said. "There is a message that has been clearly sent from consumers to producers today, that high-quality beef is worth more to them and they're willing to pay more for it."

Premium genetics and management need premium marketing. That's why the brand will host a second webinar on January 21 tackling grid marketing, retained ownership and how to use information to make better decisions. To learn more and register for that virtual program, visit cabcattle.com/webi-

### FDA releases antimicrobial use summary report

Domestic sales and distribution of medically important antimicrobial drugs approved for use in food-producing animals increased by 3% between 2018 and 2019. However, the trend of antimicrobial sales for food-producing animals over time shows sales and distribution of 25% less since 2010 and 36% less than 2015. the peak year of antimicrobial drug sales data.

The data comes from FDA's 2019 Summary Report on Antimicrobials Sold or Distributed for Use in Food-Producing Animals. Section 105 of the Animal Drug User Fee Amendments of 2008 (ADUFA 105) requires that animal drug companies annually report to FDA the amount of antimicrobial drugs that they sell or distribute for use in food-producing animals. ADUFA 105 also requires FDA to issue annual summary reports of the sales and distribution data.

# MARK YOUR CALENDARS

for September 29 380 2021

for the first ever

# GRASS & GRAIN Farm and Ranch Show

To be held at the Riley County Fairgrounds, CiCo Park in Manhattan, KS

MORE INFORMATION COMING SOON!

## BUSINESSES, TO RESERVE YOUR **BOOTH SPACE CONTACT:**



Kurtis Geisler kurtis@agpress.com Cell: 785-293-2221

Office: 785-539-7558



Shelby Mall shelby@agpress.com Cell: 303-518-0327

Office: 785-539-7558



Donna Sullivan gandgeditor@agpress.com Cell: 785-632-7001 Office: 785-539-7558

Climate change will affect many agricultural crops, and field corn is likely no exception.

Field corn, the starchy cousin of sweet corn, is a globally important cereal grain used in livestock feed and other products. And it has an Achilles heel: unseasonably warm nights.

"As night-time temperatures rise, corn yields decline. These high temperatures affect an enzyme in maize responsible for storing starch. At higher night time temperatures, that enzyme, called PGD3, stops working, and the corn kernels will not produce as much starch, or will not properly develop," said Camila Ribeiro, a graduate of the UF/IFAS College of Agricultural and Life Sciences (CALS) and former postdoctoral researcher at the UF/IFAS Citrus Research and Education Center.

"Over the next several decades, as we see climate change lead to higher night time temperatures. this could mean farmers won't be able to produce enough corn to stay in business," said Mark Settles, professor in the UF/ IFAS horticultural sciences department. "That's a food supply issue and an economic problem."

But Ribeiro and Settles may have a solution. In a new study, they show that a new variety of field corn is productive even when nights are warm. This variety was developed via a novel genetic engineering technique that inserts a copy of a corn gene to make a protein in a new location in the plant's cells. This finding could help inform traditional breeding efforts down the line.

To test how well their new corn variety fared in

the heat, the researchers planted it during March and April at the UF/IFAS Plant Science Research and Education Unit located about 30 minutes south of the main UF campus in Gainesville. Compared to the March plantings, the corn planted in April experienced warmer nights temperatures during kernel development.

The results were striking: the new variety produced 40% more yield under higher tempera-

"In the field, we had plots planted with engineered and non-engineered plants. They were growing under the same conditions, same temperatures. As we harvested the field, we could see just how much bigger the corn ears were in the new variety under heat stresses. It was very exciting to see," said Ribeiro, who completed this research as part of her a doctoral studies in plant molecular and cellular biology at UF/IFAS

"It was exciting because, for people like us who want to figure out how to grow food with climate change, this is a promising result," said Settles, who was Ribeiro's dissertation adviser. Ribeiro now works at the Brazilian Agricultural Research Corporation (EMBRAPA) Maize and Sorghum in Brazil.

This new corn variety is more productive because the heat sensitive PGD3 enzyme that allows the plant to store starch is getting extra help.

"PGD3 isn't the only enzyme in the cell that catalyzes its specific reaction. You also have PGD1 and PGD2. Unlike PGD3. 1 and 2 aren't sensitive to heat, but they don't operate in

the part of the cell where PGD3 operates, the amyloplast, which is the part of the plant cell that produces starch." Settles said. "We wanted to find a way to move 1 and 2 into the amyloplast. Once there, we predicted they would be able to help kernels grow at higher temperatures."

To reroute these enzymes, Ribeiro and Settles reconfigured their corn plants' genetic code by inserting a part of the gene called Waxy1 in front of Pgd1 and Pgd2 genes. This extra code in the DNA would the direct those enzymes to the amyloplasts.

"Our study confirmed that when PGD1 and PGD2 proteins are relocated to the amyloplasts, it results in the characteristic we are looking for, heat resistance," Settles said.

The engineered genes open up the possibility of making new heat resistant breeding techniques, the researchers say. Breeders could screen corn plants for heat-resistant forms of PGD3 to try to get the same effect.

"Our study is an example of how genetic engineering techniques can speed up traditional plant breeding processes by giving breeders insight into how genes confer desired traits. Climate change is happening fast, and we need to develop plants that will adapt to this new environment as soon as possible," Settles said.

While such a corn variety may not be commercially available for several years, Ribeiro and Settles are hopeful that their plants will one day help feed a changing world.

The study is published in the journal *PNAS*.

### -on-Dairy Project central-California. Eventually, both steers and heifers **Foundation sponsors** Red Angus Found By Tom Brink, CEO, Red Angus Association of America

There's a genetic revolution taking place in the dairy industry. Increased use of sexed semen on top-producing dairy cows is creating ample numbers of replacement heifers without the need to breed mediocre or lower end cows to dairy bulls. As a result, many dairies are now utilizing beef semen to produce growthier, more marketable calves that are 50% beef and 50% dairy. A typical scenario is to use female-sexed semen on one-third to half of the best cows, and beef semen on everything else. This approach virtually eliminates all low-value dairy

With over 9.3 million dairy cows in the U.S., coupled with active use of artificial insemination, "beef on dairy" has become big business. A rough estimate would be that 7 to 8 million straws of beef semen are now being used by the dairy industry annually, with additional growth expected in the years ahead.

Even though this semen sells for less per unit than

conventional beef semen, it has become a market too big to ignore. That's why the Red Angus Foundation, Inc. is sponsoring a research project in central California to demonstrate that Red Angus genetics can be used successfully to produce fast-growing beef-dairy-cross calves that will excel in the feedlot and hang up valuable carcasses at harvest.

#### **About the Project**

Red Angus has not been extensively utilized in beefon-dairy applications, though we are aware of some commercial use in the Texas Panhandle and New Mexico region involving both Holstein and Jersev cows. The Visalia California project, funded in part by RAFI, was initiated in the fall of 2019. More than 50 head of Red Angus-sired calves were born to Holstein dams in July and August this year and wear the yellow FCCP tag.

Calves will be grown to around 350 pounds on-site at the calf-growing facility on the dairy of origin before being moved to a small feedlot, also located in

will be fed out to 1,300 to 1,400 pounds and harvested. Planned data collection includes actual live gains and feed conversion rates on a group basis, along with individual DNA and carcass results.

Many of the project calves are mostly or entirely black-hided since black is dominant to red. However, a few red calves were produced, due to some of the cows being red-carrier Holsteins. White on the head, feet, flank and belly also showed up on some calves which is normal for beef-dairy-cross animals given their blackand-white-spotted dams. Some believe Red Angus does a better job than other breeds in getting rid of the white and producing more solid-colored calves.

More information will be provided on this project as the calves grow and progress during the months ahead. Thanks to RAFI for helping get this important research off the ground and we look forward to its results!

#### U.S. protein export markets continue to see change

By Derrell Peel, Oklahoma **State University** 

U.S. global meat protein exports have continued to evolve in 2020. Some of the changes this year reflect ongoing trends in global meat markets but the COVID-19 pandemic has also affected protein

Beef exports for the year-to-date through October are down 5.3 percent year over year after dropping sharply in May and June and then recovering from July to October. Total pork exports in 2020 are up 19.9 percent, driven by exceptionally strong exports to China, along with

Taiwan and Hong Kong. Broilers exports so far in 2020 are up 4.2 percent year over year, with exports to Mexico, the largest market nearly unchanged from one year ago, but up sharply to China.

Mexico is arguably the market most impacted by COVID-19 from a U.S.,

and specifically a beef, perspective. Exports of beef to Mexico are down 37.9 percent year over year, with declines from last year every month in 2020. Mexico is suffering a devastating recession, the result of current federal policies aggravated by the pandemic.

The biggest changes across all meat markets relate to China. China has dramatically increased protein imports in 2020 after suffering from the devastating loss of pork production due to African Swine Fever (ASF) in 2018-2019. So far this year, China has accounted for nearly 30 percent of U.S. pork exports. This follows a 16 percent share of U.S. pork exports to China in 2019. Pork exports to China represented less than seven percent of total pork exports from 2014-

China is the number two market for broiler exports in 2020. Broiler exvery low in recent years, though China did account for ten to eleven percent of U.S. broiler exports from 2006-2009.

2018 but previously peak-

ed at nearly 13 percent of

annual exports in 2011.

China has been a rapidly growing market for global beef imports in recent years and is the largest beef importing country since 2018. This reflects underlying growth in beef demand in China, accentuated by the protein short-

ages due to ASF. China has been a minor market for U.S. beef but is growing rapidly. The China share of U.S. beef exports exceeded one percent for the first time in 2019 and is the number seven beef export market at 2.9 percent of total beef exports thus far in 2020. Beef consumption in China is expected to continue growing and, assuming no additional political disruptions, China could be one of the top exports markets for U.S. beef in the next couple of

Broiler meat exports are heavily dominated by Mexico, with China increasing from zero exports in the first ten months of 2019 to the number two market in 2020, to supplement ASF related protein shortages. Broiler meat is exported to a vast array of smaller markets. It is interesting for example, that broiler exports to Cuba in 2020 have exceeded exports to Vietnam and Canada. The top twelve broiler export markets only account for about 68 percent of broiler exports (compared to 94+ percent of beef and pork exports).

### Creep feeding beef calves increases your profits!

Key 16 Calf Creep Pellet is recommended 30 to 60 days before weaning. The extra weight gain will produce \$15 to \$30 return per

calf over creep feed costs. Delivery in bulk or bags is available. Contact your local Key Feeds representative.



Fourth & Pomerov *FEED FEEDS* 

Associates, Inc.

Joseph Ebert, VP/GM

**CALL KEY FEEDS TODAY** -800-432-7423 OFFICE Clay Center, Kansas 67432

**BYRON THORESON • 785-630-0161** Minneapolis Location: JAMES CARR • 785-630-0491 Tipton Location: TIM WILES • 785-630-1049 **ROD BOHN • 785-630-0846** 

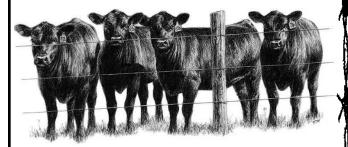
## Nednesday Sale, Hogs NOON • Cattle 12:30 PM

### **NO SALE WAS HELD DECEMBER 23rd**

#### **CONSIGNMENTS FOR DECEMBER 30:** Selling at 12:30 ...... 10 hd mixed feeder pigs..... 50-70 lbs. 9 AngusX ...... 2-5 yrs old 60 blk X.......825-875 lbs.

Wednesday, Jan. 6th - 1st Sale of 2021

PLUS MORE BY SALE DAY!



Watch online with cattleusa.com (Tab J.C. Livestock Sales) Must register to bid.

If you need assistance in marketing your cattle please call & we will be happy to discuss it with you

JUNCTION CITY, KANSAS • Barn Phone 785-238-1471 Seth Lauer 785-949-2285, Abilene Tom Koch, 785-243-5124

### **CLAY CENTER** LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

### **NO SALE WAS HELD DECEMBER 22nd**

Back to regular schedule Tuesday, December 29<sup>th</sup>

**CONSIGNMENTS FOR DECEMBER 29:** ..... running age PLUS MORE BY SALE DAY!

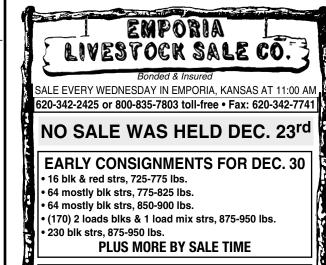
SHEEP & GOAT SALE **SATURDAY**, **JANUARY**, **2**<sup>ND</sup>

00 ramb. X bred ewes, solid mouth, start lambing 1st of Feb.



Clay Center, Ks • Barn Phone 785-632-5566 **Clay Center Field Representatives:** Lance Lagasse, 785-262-1185

KCLY-Fm 100.9



### **EARLY CONSIGNMENTS FOR JAN. 6**

45 Red Angus strs, 700-900 lbs.

• 160 mix hfrs, 775-850 lbs.

• 163 Red Angus strs, 775-875 lbs.

280 mix strs 800-900 lbs.

**PLUS MORE BY SALE TIME** 

**EARLY CONSIGNMENTS FOR JAN. 13** 300 mix strs, 800-900 lbs. **PLUS MORE BY SALE TIME** 

### **80TH ANNIVERSARY SALE** JANUARY 20 -

THANK YOU FOR ALL OF YOUR CONTINUED SUPPORT! YOUR BUSINESS IS ALWAYS APPRECIATED! For Cattle Appraisals Call:

BRODY PEAK, 620-343-5107 GLENN UNRUH, 620-341-0607 LYLE WILLIAMS, Field Representative, 785-229-5457 WIBW 580 - 6:45 A.M. Thurs; KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri. To see more consignments go to: emporialivestock.com

KARL LANGVARDT Cell: 785-499-2945

MITCH LANGVARDT Cell: 785-761-5814

LYNN LANGVARDT Cell: 785-761-5813

## January 31 is deadline for CAB Colvin Scholarship

By Morgan Marley Boecker

Sometimes all a person needs is a little boost, a reassuring message: "You've got this."

Since 1999, the Certified Angus Beef ® (CAB®) brand has provided that by awarding \$289,500 to 86 Colvin Scholarship recipients. In 2020, ten students earned their shares of \$42,000, but each year that number seems to grow.

The fund honors Louis M. "Mick" Colvin, CAB co-founder and executive

director for its first 22 years, for his vision and tireless efforts to help the brand become reality. It was established after his retirement to carry on the legacy of achieving dreams and inspiring

Applications are open until January 31, 2021 for students pursuing a degree in meat science. animal science, economics, marketing, business, communications or other beef-related fields.

To apply, visit the brand's careers webpage and click on 2021 Colvin Scholarship links under "Open Positions, Scholarships and Seminar Opportunities."

At least five sophomore, juniors or seniors will be awarded a scholarship next spring. Applicants must submit transcripts along with two letters of recommendation and two essays. An essay of up to 1,000 words should detail how CAB can ensure its reputation in the competitive market for branded Angus beef, with a second essay of up to 500 words explaining their career path.

Graduate-level scholarships are available to those pursuing research on the advancement of high-quality beef production and increasing beef demand. Graduate applicants should also submit a report outlining the details of their research.

First-place undergraduate and graduate winners will receive \$7,500 and an all-expense-paid trip to the 2021 CAB Annual Conference in Marco Island, Fla., where they can connect with the brand's partners in production, packing, retail and foodservice. A golf tournament and auction at the event provide funding for the scholarships, with totals regularly setting new records.

Selected by the Colvin Scholarship Fund Committee, applicants are judged on their activities, scholastic achievement, communication skills and reference materials. Applicants will be selected to win their share of \$50,000, and win-

ners will be notified in March.

For 42 years, the brand has remained dedicated to adding value to Angus cattle by providing a consistently high-quality eating experience. Based in Wooster, Ohio, CAB annually sells more than a billion pounds of the best beef worldwide through a network of 19,000 licensed partners.

To learn more visit https://www.certifiedangusbeef.com/press/col-

### producers have more risk management possibilities ivestock

By Mary Lou Peter

The use of crop insurance by farmers is pretty common across the United States. Livestock insurance, not so much.

A Kansas State University agricultural economist believes, however, that recent improvements in risk management products for livestock producers by the USDA's Risk Management Agency may make them worth a second

"We like to say the federal crop insurance program is the foundation for the federal farm safety net in the U.S., but there are a lot of products in the federal crop insurance program that can be used by livestock producers," said Jenny Ifft, associate professor and agricultural policy specialist with K-State Research and Ex-

Livestock insurance programs have not been embraced like crop insurance has for several reasons, said Ifft, noting that in many cases 90% of eligible crops are covered by crop insurance, but the use of livestock insurance is much less common.

Livestock insurance products haven't been as developed as long and historically, participation has been capped or limited by either the number of head or amount of dollars, and the cost sharing with the federal government has been lower, she said.

"The way I like to look at insurance is that farmers are always making decisions about the future and you try to make the best decisions you can with the best information you have," Ifft said.

"Information on costs,

prices, weather and what kind of production you expect - all of those things are uncertain and can be different in the future from what you expect today. The point of insurance is to get you closer to what you expect for cost, prices and production, so that you can make better decisions today."

She outlined three primary livestock insurance choices.

1) Whole Farm Revenue Protection has been in existence since 2015 It's not widely used in Kansas with only six farms covered in 2020 under such a policy. Public awareness and knowledge about this type of coverage is still limited. This type of coverage was mostly developed for the purpose of providing an insurance option for ditions. It covers everything that's produced on the farm and can include up to \$2 million of livestock revenue.

For those who have three to six major crops and livestock, five years of tax records and basic production records, WRFP may be worth considering, Ifft said. The tax records are used to set the guarantee.

2) Livestock Risk Protection is based on livestock futures prices and protects against drops in futures market prices. This product can be used to cover feeder cattle and cattle on feed in feedyards. Recent changes in this type of insurance may make it more attractive to producers than it has in the past, in that cost sharing from the federal government is now highwas 25%-35% of premium cost but that's now been expanded to 35%-55% of premium cost. Additionally, the number of head possible to cover has been increased from 6,000 previously to 12,000 currently per year. Producers can enroll in this coverage any time during the year.

3) Forage Production Risk is a product that has been catching on in Kansas and other states, Ifft said, particularly the Pasture, Rangeland and Forage choice. Almost 2 million acres of pasture are enrolled in this type of coverage in the state this year. That sounds like a lot, she added, unless you consider that more than 5 million acres each in corn and wheat are enrolled in crop insurance programs.

"It's grown a lot but it's still relatively new said of this type of risk management. "This program effectively protects against drought risk. It's based on rainfall in a producer's area. In this case, there just needs to be less rainfall during a coverage period in a producer's area than there has been historically."

In addition to the programs administered by the Risk Management Agency, Ifft said the US-DA's Farm Service Agency also has programs that can help producers, particularly with weather or disaster events.

"In determining your options, it helps to know breakeven costs. We ag economists always recommend knowing your costs for a number of reasons and one of those reasons is so you can manage your price risk," she said.

#### versified farming operaer. Previously cost sharing and relatively small," Ifft order soon... plant Plan your ing tips and tricks, check

entral ivestock

www.centrallivestockks.com

Office: 620-662-3371

or Matt Hoffman (Owner): 620-727-0913

Hay Auction- Every Tuesday at 9:00 a.m.

Cattle Auction- Every Tuesday at 10:00 a.m.

Hog/Sheep/Goat Auction- Every 3rd Saturday

Horse/Tack Auction- Every 1st Saturday

Sat., Jan. 2<sup>nd</sup> - Horse & Tack Sale

Tues., Jan. 12th - Calf/Yearling Special Sat., Jan. 16th - Hog/Sheep/Goat Sale

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

When we think planting, we typically think spring. While spring works for many crops or plants, trees are one planting that needs advance planning. If you've ever considered a windbreak, the time for planning isn't late spring or during the first winter cold snap. It's now.

The wind chill with a temperature of 10 degrees and a 15 mile-per-hour wind is negative 18 degrees. That 10-degree temperature feels 28 degrees colder than it actually is. The same combination of temperature and wind behind an established windbreak: seven degrees. Just three degrees cooler-feeling than the actual air temperature and 25 degrees warmer than being in the wind directly. That difference would make outdoor

work a lot nicer and life outside for pets and livestock a lot easier. It can also help reduce home heating fuel costs by 15 to 25 percent.

Because they are a long-term investment, windbreaks must be designed to ensure the desired benefits to homes, livestock, and fields. Make a sketch of your site and potential locations, giving consideration to the following design principles:

Wind eddies will form around the ends of a windbreak. To avoid, extend windbreaks at least 100 feet beyond the area to be protected.

Gaps will funnel wind and reduce effectiveness. Locate driveways around the ends of windbreaks or situated at an angle perpendicular to prevailing winds to prevent this funneling.

Windbreaks are more attractive following the land's natural contour. Rows don't have to be straight in one direction, but should be generally perpendicular to the prevailing winds.

Avoid plantings where the windbreak will block a driver's vision at intersections. Don't make plantings closer than 200 feet north or west and 80 feet south or east of the centerline of a road to prevent creating snow drifts across

the road.

Think diversity of species. This will increase insect and disease resistance as well as wildlife habitat. However, you shouldn't mix species within the row unless in a specially designed wildlife habitat planting. Plants of the different species grow at different rates and suppression of slower growing species may be seen.

For additional plant-

out Windbreaks for Kansas, available from any District Office, or online at: https:// bookstore.ksre.ksu.edu/ pubs/MF2120.pdf program

After the design, you'll need trees. Next week we'll talk about the Kansas Forest Service Conservation Tree and Shrub sales

### Eureka Livestock Sale P.O. Box 267 Eureka, KS 67045 620-583-5008 Office 620-583-7475

Sale Every Thursday at 11:30 a.m. Sharp Like Us On Facebook!

No Sale Dec. 24 & 31 Merry Christmas & Happy New Year from everyone at ELS! See you on Jan. 7

We appreciate your business!

Ron Ervin - Owner-Manager Home Phone - 620-583-5385 Mobile Cell 620-750-0123 **Austin Evenson- Fieldman** Mobile Cell 620-750-0222

If you have any cattle to be looked at call Ron or Austin



### **Holton Livestock Exchange, Inc.** 1/2 mile East of Holton, KS on 16 Highway Livestock Auction every Tuesday at 12 NOON \*\*\*\*STARTING TIME: 12:00 NOON\*\*\*\*

MARKET REPORT FOR TUESDAY, DECEMBER 22, 2020 RECEIPTS: 448 CATTLE
FOR FULL RESULTS, VISIT OUR WEBSITE: WWW.HOLTONLIVESTOCK.COM

STEERS		HEIFERS		
4 mix strs	351@193.00	1 blk hfrs	335@165.00	
2 blk bwf strs	422@181.00	4 blk hfrs	352@161.00	
8 blk bwf strs	515@177.00	8 blk bwf hfrs	475@147.00	
3 blk strs	508@172.00	2 blk hfrs	552@145.00	
4 blk bwf strs	531@166.00	4 blk hfrs	573@145.00	
5 blk strs	484@164.00	3 blk char hfrs	455@139.50	
3 blk strs	583@150.00	2 red hfrs	302@138.00	
8 blk strs	653@149.50	4 blk bwf hfrs	501@137.00	
3 rwf blk strs	636@145.00	7 blk hfrs	633@137.00	
3 blk strs	620@144.00	4 blk hfrs	557@135.50	
2 blk strs	552@141.00	6 blk hfrs	618@135.50	
3 blk strs	585@140.50	2 blk hfrs	540@133.00	
3 blk strs	755@138.50	2 rwf red hfrs	530@133.00	
5 blk strs	730@138.00	2 blk hfrs	637@132.50	
2 char strs	417@136.00	2 blk hfrs	615@131.50	
2 blk bwf strs	690@135.00	16 blk hfrs	648@130.50	
2 blk bwf strs	730@134.00	2 blk hfrs	590@130.00	
7 blk bwf strs	748@133.00	4 blk red hfrs	696@128.25	
3 blk strs	681@129.00	6 blk hfrs	631@127.00	
2 bwf rwf strs	815@126.00	2 blk hfrs	600@122.00	

#### **CLOSED DECEMBER 29 REGULAR WEEKLY: AUCTION JANUARY 5 SPECIAL CALF & YEARLING AUCTION: JANUARY 12**

Dan Harris, Auctioneer & Owner • 785-364-7137 Danny Deters, Corning, Auct. & Field Rep • 785-868-2591 Dick Coppinger, Winchester, Field Rep. • 913-774-2415 Steve Aeschliman, Sabetha, Field Rep. • 785-284-2417 Larry Matzke, Wheaton, Field Rep. • 785-268-0225 Craig Wischropp, Horton, Field Rep. • 785-547-5419 Barn Phone • 785-364-4114

WEBSITE: www.holtonlivestock.com EMAIL: dan@holtonlivestock.com View our auctions live at "Imaauctions.com"

# LIVESTOCK AUCTION, INC.

316-320-3212

2595 SE Highway 54, P.O. Box 622, El Dorado, KS 67042

### Merry CHRISTmas & Happy Holidays!

Thank You Everyone that came out to celebrate Mary at her retirement party. We will all miss her tons! ENJOY the Season & see y'all back on January 7th!

#### SPECIAL STOCKER/FEEDER SALE: JANUARY 7, 2021 2 loads blk heifers, 750-800lbs

1 load mx heifers, 750-800lbs

### **SPECIAL COW SALE: JANUARY 16, 2021**

100 mosity bik 4&5 year old cows, bred to McCurry Bulls, start calving Feb 1st for 60 days

35 Angus first calf heifers, 1000lbs & will start calving Feb 1st for 120 running age cows, 3-8years old, will start calving Feb 1st for

**CHECK OUR WEBSITE AS WELL AS FACEBOOK FOR UPDATED LISTINGS! STAY TUNED FOR EARLY CONSIGNMENTS!** 

We welcome your consignments! If you have cattle to consign or would like additional information, please call the office at 316-320-3212

Check our website & Facebook for updated consignments: www.eldoradolivestock.com To stay up to date on our latest announcements you can "Like" us on Facebook

Josh Mueller Owner/Manager (316) 680-9680 **Chris Locke** (316) 320-1005 (H)

Steven Hamlin (602) 402-6008 (H) (620) 222-1199 (M) Van Schmidt, Fieldman (620) 367-2331 (H) (620) 345-6879 (M)

(316) 322-0675 (M) Cattle Sale Every Thursday 11:00 AM

### Beatrice Livestock Sales **SPECIAL BRED COW & BRED HEIFER SALE** THURSDAY, JANUARY 7, 2021 • 11:00 AM

IST CALF BRED HEIFERS:

• 15 Blk Ang 1st Calf Bred Hfr. OCV & Pelvic Measured, Dbl Scour Guard, Pre-Breeding & Current Vacc, Bred Tegtmeier Hereford 92F, Home Raised

14 Bwf 1st Calf Bred Hfr, Same Information As Above, Bred

Cross Diamond Red Ang 14 Rwf-Red Ang 1st Calf Bred Hfr, Same Information As Above,

Bred Tegtmeier Hereford 01F

18 Blk-Bwf 1st Calf Bred Hfr, Same information As Above, Bred

Nichols Blk Ang 80 Blk Ang 1st Calf Bred Hfr, A I Bred Acclaim, Ultra Sounded

8/10, 60% Safe To A I, Clean-Up 5/18 W/Sons of In Focus, Calve Feb 19, Vacc Vira-Shield 6+VL5, Poured & Wormed 10/1 40 Red Ang 1st Calf Bred Hfr, A I Bred ABS Red Ang Big Beef,

+18 CE & Grant Prairie, +12 CE, OCV, Pelvic Measured, Scour Guard, BQA & Zoetis Vacc, Calve Feb 20

40 Red Ang 1st Calf Bred Hfr, bred Red Ang Redemption & Premier, OCV, pelvic measured, Scour Guard, BQA & Zoetis Vacc, calve April 20

45 F-1 Bwf 1st Calf Bred Hfr, A I Bred Herbster Ang Game Changer 371 BW 72#, Ultra Sound 7/15, OVC-Pelvic Measured-Dbl Scour Guard-Vacc, Calve Jan 31 72 Blk 1st Calf Bred Hfr, Bred Beckton Red Ang, Calve Mid Feb 35 F-1 Bwf (20) - Blk (20) 1st Calf OCV Bred Hfr, Bred Klein Blk Ang, Vacc & Scour Guard, Calve Jan 21

41 Blk 1st Calf Bred Hfr, Bred Blk T7 Ranch & Gillam, Vacc & Scour Guard 9/4/20 & Scour Guard 12/1, Calve Jan 16

15 F-1 Rwf 1st Calf Bred Hfr, A I Bred Herbster Ang Game

Changer 371 BW 72#, Ultra Sound 7/15, OVC-Pelvic Measured-Dbl Scour Guard-Vacc, Calve Jan 31 4 Blk-Red 1st Calf Bred Hfr, A I Bred Brown Perseverance Red

Ang, Calve March

•50 Blk-Red 1st Calf Bred Hfr, Blk Bred Priefert & Bruning Blk Ang, Red Bred Durst Red Ang, Scour Guard, Pelvic Measure &

Poured, Calve Feb 15 • 15 Blk-Red Balancer 1st Calf OCV Bred Hfr, Red A I 5L Independence & Black A I The Answer, Dbl Scour Guard, Pelvic Mea-

sure, Calve Late Jan

**BRED COWS & COW/CALF FAMILIES:** • 7 Blk-Red Cow/Calf Families, 4-5-6 yr old, 150-200# Blk-Red Calves • 17 Blk-Bwf Bred Cows, 4 - 5 Yr Old, Bred Blk Ang, Scour Guard

& Poured, Calve Mar 10

60 Blk & Solid Red Bred Cows, DISPERSAL, 3 Yr - Solid Mouth, Bred Simm/Ang, Calve Mar 15 (60-Day)
18 Blk Bred Cows, 3 - 5 Yr, Bred Blk or Red, Mineral & Vacc

Program, Calve April 1 25 Blk Bred Cows, 3-5-6 Yr Old, Bred Red Ang, Vacc, Calve Feb 1
20 Blk Bred Cows, 6 - 8 Yr Old, Bred Polled Hereford, Vacc &

Poured, Calve Feb 15 (60-Days) 45 Blk Bred Cows, Solid-Short Solid Mouth, Bred Blk Ang, Calve Mar 1 (75-Days)

 9 Blk Bred Cows, 5 - 8 Yr Old, Bred Blk Sim Ang, Calve Mar 1 43 Blk Bred Cows, Broken Mouth, Mineral & Vacc Program, Bred Blk, Calve Mar 1 - Pickrell

FOR CONSIGNMENTS GO TO: WWW.BEATRICE77.NET

North Hwy. 77 - Beatrice, Ne.

SALE BARN, 402-223-3571 DENNIS HENRICHS GALE (SLIM) HARDIN RICK JURGENS 402-239-8741 402-520-2911 402-520-0350

### A announces Dr. Carrie Castille as new NIFA director

The U.S. Department of Agriculture (USDA) announced that President Trump has named Dr. Carrie Castille as the new, permanent director of the National Institute of Food and Agriculture. Dr. Castille will start her new role on Monday, January 4, 2021.

"Dr. Castille is a trusted leader in economic development and public policy and has more than 20 years' experience in the agricultural sector. Her passion for agricultural research, teaching, and Extension will enable NIFA to continue its transformation as a premier science agency," said U.S. Secretary of Agriculture Sonny Perdue. "She will bring strong leadership to NIFA as they continue to build and strengthen partnerships with our public land-grant universities and agricultural institutions across the nation."

Castille served as Assistant Professor and Agricul-

ture and Natural Resource Leader at Louisiana State University prior to serving as Associate Commissioner and Senior Advisor to the Commissioner for the Louisiana Department of Agriculture and Forestry. In 2017, she joined USDA as state director for Louisiana Rural Development, and in 2019 was named as the mid-south (Louisiana, Mississippi, Arkansas, Tennessee, Missouri) coordinator for USDA's Farm Production and Conservation (FPAC) mission area.

Castille was appointed by USDA Secretary Vilsack to the National Agriculture Research, Extension, Education, and Economics advisory board from 2010-2017. During this period, she served as Chair of the NAREEE board, and also contributed to many organizations, including the American Public and Land Grant University Council on Agriculture Research,

Extension, and Teaching.

During her tenure at USDA, Dr. Castille received the Secretary's Award of Excellence (2003) and the Secretary's Award for Excellence in Rural Development (2018). In 2017, she was the first female inducted into the University of Louisiana Lafavette College of Engineering Hall of Distinction. She also will be the first female to serve as NIFA director in a non-acting capacity.

She holds a Ph.D. in Renewable Natural Resources (with emphasis on environmental and public policv) from Louisiana State University, an M.S. degree in Environmental Studies from Louisiana State University, and a B.S. degree in Industrial Engineering from the University of Louisiana at Lafavette.

By Lisa Moser

In the midst of the holiday season and the increased access to sweets, many people may be observing a less than ideal change in their personal body conditions.

While people may strive for a skinnier physique, holding a thin body condition over the winter may create deficits for cattle heading into calving season, said the experts at Kansas State University's Beef Cattle Institute on a recent Cattle Chat podcast.

"Thin cows have a higher maintenance requirement in the winter than cows in adequate condition because they have to work harder to stav warm," said Bob Weaber, beef cattle specialist and podcast contributor.

To assess the herd, veterinarian Bob Larson suggests ranchers periodically check them and even take pictures of the herd to help monitor changes

"In any group, I expect some variation in the condition, but ideally I want almost all the cows to be in a moderate body condition," Larson said. "And if they are, then I know that I am managing the group pretty well."

Larson said if cattle ranchers notice that there are thin cows in the herd, they may need to evaluate the situation further to see if there is a pattern tied to their age or access to feed.

"The number of cows in the herd will creep up if,

for example, they are getting pushed out of the feed bunk and not getting the protein supplementation they need," Larson said.

The experts agree that two feet of bunk space per head is a minimum amount of space needed.

"If you only allocate a foot and a half on a single-sided feed bunk, the big cows will push out the thinner, smaller cows that really need the feed." Weaber said. He prefers to place the feed bunk in the middle of the pasture so cattle can access the feed from both sides.

Larson added that the amount of bunk space needed will depend on the type of feed provided and how quickly the cattle

"Big cubes fed on the

ground will allow the cattle to have easy access because you can spread it out, but there is more feed waste and sanitation issues that come with that strategy," veterinarian Brad White said.

Once producers determine why some of the cows are thin, they may need to make culling decisions or form a plan to add condition back on the cows, according to Weaber.

"Identify the commonalities of the problem animals and that will determine the best management strategies to fix it, as well as knowledge for the future," Weaber said.

White suggested producers look at ways to segregate the thin cows.

"Grouping the thin cows together can be a powerful tool in giving them the extra feed they need ahead of calving season," White said. The challenge, he added, may lie in where they are located and the ease of separating them for feeding.

Larson said it is important to consider where the cow is in the pregnancy when coming up with the supplementation plan.

"Right now, spring calving cows are midway through their pregnancies and the calves are not pulling that much nutrient demand from them, but as they get closer to calving that demand goes up significantly," Larson said.

He added: "The cow's maintenance cost is the lowest it is going to be right now and that makes it a good time to put some weight on her rather than waiting to do it later."

Weaber advised producers to calculate the days to calving when figuring out the gain needed.

White gave an example: "If I have 100 days, I could target the cows to gain two pounds per day. That will give them about 200 pounds of gain.'

The bottom line, White said, is to "do the math for your herd and then figure out if it is just a couple individuals that need to gain weight or the entire group. because that answer will drastically change the decision you make and what options are available.'

To hear more of the discussion about managing thin cows, listen in to the Cattle Chat podcast online.

### to determine feed quality Get forage sample results

By Brett Melton, River Valley Extension agent, livestock production Getting a feed analysis on forage is important to determine the feed quality. When you get an analysis done, the most basic values you will get are dry matter, neutral detergent fiber (NDF), acid detergent fiber (ADF), crude protein, and total digestible nutrients (TDN). To me, the most important of all these values is the dry matter. It is also the easiest value to get. If you have a scale and an oven, you can calculate the dry matter. Weigh out a small amount of the forage (I refer to this as the "as-is basis") and put it in the oven at a low temperature (We don't want to cook it, just dry it out). Make sure you weigh the container first (aluminum tins work great for this). Once the forage is dry, weigh it again and subtract the weight of the container. Take the dry weight divided by the as-is weight. If the as-is weight was 100 grams and the dry weight was 90 grams, then the dry matter is 90% on a dry matter basis (90/100=.90). Cattle will drink less if the ration has higher moisture content and vice versa. Therefore, all rations

The next two parts of a feed analysis are the NDF and the ADF. These two cannot be calculated at home like the dry matter. To get these two parts of a forage sample, they get washed with two different solutions. One sample gets washed with a neutral detergent solution and the other with an acid detergent solution. NDF will contain three fiber portions (hemicellulose, cellulose, and lignin) while ADF will contain just two fiber portions (cellulose, and lignin). The order of the most digestible to least digestible goes hemicellulose, cellulose, and lignin. Lignin is virtually indigestible.

NDF and ADF are also indicators of how digestible a forage is. A forage with a high NDF and ADF values are less digestible and provide fewer nutrients to the animal. Two extreme examples of this would be wheat straw compared to first cutting alfalfa that is cut at the early bloom stage. Wheat straw will have about 75% NDF and 50% ADF and the early bloom alfalfa will be about 45% NDF and 35% ADF.

TDN is the sum of the digestible fiber, protein, lipid, and carbohydrates in the for-

age, and typically is calculated using ADF. This can be used in beef cow rations that are high in roughage. If you are formulating a finishing ration, using the net energy system is more appropriate.

My last note to make is on relative feed value (RFV) and relative feed quality (RFQ). These two values are not used to formulate rations. They are a prediction of the feeding value a forage has. RFV should only be used to compare legume hays such as alfalfa. Keeping these things in mind when you are putting a ration together will help keep your animals on track for the gains that you are targeting, or the body condition score you want to obtain.

### **MU Extension Woodland Steward** webinar series begins in January

University of Missouri vens will teach the webi-Extension kicks off a new vear of Missouri Woodland Steward programs to help natural resource enthusiasts learn more about how to preserve woodlands.

MU Extension state forestry specialist Hank Stelzer and natural resources field specialist Sarah Hanars Tuesday evenings in January and February.

Topics include basic tree identification, planting native trees and shrubs, selling timber, managing woodlands for timber and wildlife, and invasive plants.

Classes run Jan. 12-

Feb. 16. Participants may choose three of the six sessions or all six.

Register at extension. missouri.edu/events/ missouri-woodland-steward-winter-webinar-series. or contact Havens at havenss@missouri.edu or 573-247-3082. ADA accommodations are available.



STEER & BULL CALVES

should be formulated on a dry matter basis.

67 blk/red strs 880 @ 133.25

Auction

10:30 AM

1265 @ 52.00

1510 @ 74.00

1190 @ 72.00

1105 @ 57.50



Buyers & sellers are welcome in the ring area with social distancing being practiced. You can watch the live auction at www.dvauction.com . If you need assistance with watching or bidding online contact DV Auction customer service at 402-316-5460. Thank you for your cooperation. If you would like approval to bid online from the safety of your home, please do the approval process on www.dvauction.com prior to Tuesday.

## We wish you a Happy, Healthy, and Prosperous New Year! Thank you for doing business with us.

1 char cow

1 bwf cow

629 @ 125.00 1 wf cow

891 @ 124.75

5 blk/bwf hfrs 1000 @ 107.00

We sold 1530 cattle December 22. Steer and heifer 8 x-bred hfrs calves were in good demand and sold steady to \$5.00 26 blk/bwf hfrs higher. Feeder steers and heifers were steady to \$2.00 higher. Cows and bulls sold \$2.00-4.00 higher. 11 blk/bwf hfrs 1071 @ 104.00

6 blk strs	362 @ 190.00	61 mix strs	969 @ 128.50
17 blk strs	462 @ 188.00	60 mix strs	982 @ 127.75
6 blk bulls	478 @ 178.00	12 blk strs	905 @ 125.00
1 blk bull	415 @ 177.50		
1 bwf bull	265 @ 176.00	HEIFER (	CALVES
1 blk str	425 @ 175.00	20 blk hfrs	437 @ 164.50
1 blk str	410 @ 174.00	100 blk/bwf hfrs	503 @ 162.25
1 wf str	385 @ 171.00	3 x-bred hfrs	323 @ 157.00
4 blk bulls	490 @ 166.00	2 blk hfrs	333 @ 155.00
1 wf str	510 @ 164.00	7 blk hfrs	449 @ 147.00
3 blk bulls	478 @ 162.00	22 blk/bwf hfrs	542 @ 147.00
2 blk/red bulls	470 @ 155.00	7 blk/bwf hfrs	507 @ 146.00
		1 blk hfr	405 @ 145.00
STOCKER & FE	EDER STEERS	2 blk hfrs	505 @ 143.00
19 blk strs	578 @ 178.25	3 blk/bwf hfrs	520 @ 143.00
10 blk/sim strs	554 @ 164.00	3 blk hfrs	525 @ 142.00
2 blk strs	583 @ 159.50	3 blk hfrs	495 @ 141.00
59 blk/red strs	837 @ 141.25	2 blk/bwf hfrs	523 @ 140.00
2 blk strs	590 @ 141.00		
6 blk/red strs	668 @ 140.00	STOCKER & FE	EDER HEIFERS
23 blk/bwf strs	742 @ 140.00	4 blk/sim hfrs	565 @ 138.00
3 blk strs	702 @ 138.00	73 blk/bwf hfrs	740 @ 135.00
60 blk/bwf strs	837 @ 138.00	65 blk/red hfrs	815 @ 134.35
63 mix strs	872 @ 136.85	67 blk/bwf hfrs	773 @ 131.25
61 mix strs	860 @ 136.60	4 blk hfrs	669 @ 131.00
60 mix strs	835 @ 135.00	63 blk/bwf hfrs	662 @ 129.00
3 blk/sim strs	717 @ 134.50	60 mix hfrs	782 @ 128.85
14 blk strs	847 @ 134.25	6 blk hfrs	603 @ 127.00
5 blk/bwf strs	696 @ 134.00	5 blk hfrs	634 @ 126.00

730 @ 134.00 32 blk/char hfrs

1 bwf cow 1250 @ 49.00 1090 @ 48.50 **COWS & HEIFERETTES** 1 bwf cow 1 bwf hfrt 1120 @ 80.00 1 blk cow 1275 @ 47.50 980 @ 79.50 4 blk/bwf hfrts 1060 @ 47.00 2 blk/bwf cows 1 bwf cow 1095 @ 74.00 1 bwf cow 1225 @ 46.00 1485 @ 72.50 1133 @ 45.00 1 blk cow 5 blk cows 967 @ 72.00 2 blk cows 1070 @ 44.00 6 mix hfrts 1878 @ 70.00 4 blk/char cows 1066 @ 43.50 2 blk cows 3 blk cows 1710 @ 69.50 1 bwf cow 1455 @ 69.00 **BRED COWS & HEIFERS** 9 blk cows 1555 @ 68.00 @ 1400.00 1 char cow 1 bwf cow 1600 @ 67.50 3 blk cows @ 1250.00 1520 @ 67.00 @ 1000.00 1 blk cow 5 blk cows 1545 @ 66.50 @ 985.00 4 mix cows 3 blk cows 1 gelb cow 1280 @ 65.00 1 blk hfr @ 975.00 1470 @ 64.50 @ 950.00 1 red cow 1 blk cow 1125 @ 64.00 6 mix cows 1 char cow @ 925.00 1540 @ 63.50 1 blk cow 3 blk/sim cows @ 910.00 1352 @ 62.00 3 blk cows 2 blk hfrs @ 735.00 6 blk/bwf cows 1321 @ 61.00 1 blk cow 1435 @ 60.50 **BULLS** 1180 @ 60.00 1770 @ 83.00 1 blk cow 1 blk bull 1445 @ 59.00 1 blk bull 1870 @ 81.50 1 blk cow 1 blk cow 1340 @ 58.50 1 blk bull 1820 @ 78.50 1 blk cow 1200 @ 57.00 1 blk bull 1740 @ 77.00 1 red cow 1205 @ 56.50 1 blk bull 1150 @ 74.50

> WATCH OUR AUCTIONS LIVE ON DVAuctions.com

1 blk bull

1 red bull

1 Inghrn bull

1130 @ 54.00 CONSIGNMENTS FOR DECEMBER 29:

25 blk strs & hfrs 450-500 lbs., vaccinated.

• 30 blk strs & hfrs 500-600 lbs., vaccinated.

65 blk hfrs 775-800 lbs.

65 blk hfrs 800-825 lbs.

• 62 blk char strs 850-875 lbs.

• 60 blk strs 900-925 lbs.

61 blk x-bred strs 925-950 lbs.

65 blk strs 800-825 lbs.

### SPECIAL STOCK COW SALE, THURSDAY, JANUARY 7 \* Starts 12:30:

HERD DISPERSAL - 204 blk cows bred to Angus bulls, start calving Feb. 1, the following ages: 25 heifers bred to low birth weight bulls

24 - 2nd calf heifers 21 - 4 y. olds

31 - 5 yr olds

20 - 6 yr olds

31 - 8 yr olds 18 - 9 yr olds

34 - 10 yrs +

HERD DISPERSAL - 45 blk cows bred to Angus bull, start calving Feb. 15, the following ages:

19 hfrs bred to low birth weight Angus bulls

10 - 2nd calf heifers 16 – 4 to 6 yrs old

**CALL TO CONSIGN BRED COWS** OR PAIRS TO THIS SALE!

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to WWW.grassandgrain.com & logging onto the online subscription

1370 @ 56.00

1105 @ 55.00

1450 @ 54.50

FOR INFORMATION OR ESTIMATES:

4 blk strs

REZAC BARN ST. MARYS, 785-437-2785 **DENNIS REZAC** ST. MARYS, 785-437-6349 DENNIS' CELL PHONE 785-456-4187

KENNETH REZAC ST. MARYS 785-458-9071

**LELAND BAILEY** LYNN REZAC **REX ARB** 

876 @ 125.75

1 blk cow

1 blk cow

1 char cow

ST. MARYS, 785-456-4943 MELVERN, 785-224-6765

TOPEKA, 785-608-4005

Livestock Commission Company, Inc.

Toll Free Number......1-800-531-1676

Website: www.rezaclivestock.com **AUCTIONEERS: DENNIS REZAC & REX ARB**  St. Marys, Ks.