



Charles Curtis is back in the news.

Kansas native son, son of the Kaw Nation, vice president in the Hoover administration, was the first "person of color" to serve in that high office (Like you, friends, I look forward to the day when those adjectives do not matter). Curtis was an enrolled member of the Kaw Tribe. His ancestry was white European on his fa-

ther's side and French-Indian on his mother's side. He was the descendant of Pawhuska, a prominent Osage chief, and White Plume, a prominent chief of the Kaw. I don't believe the color of his skin matters, but his life experience does.

Curtis was born on the "half-breed" lands on the north side of the Kansas River in January, 1860. He was baptized at St.

Mary's, Kansas, into the Catholic faith. He would later join the Methodist Church. His mother died when he was only three years old, effectively leaving Charley and his baby sister orphans. Their dad, Capt. O. A. "Jack" Curtis, was a piece of work to put it mildly, and was mostly absent during their childhoods. The children would be raised by their grandparents.

Charley's life was never easy. From the ages of five to eight, he lived on the Kaw Reservation at Council Grove with his maternal grandparents. Until the Cheyennes attacked the Kaw Reservation in June of 1868, Charley enjoyed what he recalled as an idyllic childhood - hunting, fishing, riding horses. The reality was that the Kaw were near starving. The tribe had been diminished by disease, their lands had been shrunk by treaties. On their annual buffalo hunt to the western reaches of the state in 1867, an encounter with their old enemy the Cheyennes resulted in the retaliatory action on the Kaw. It was highly unusual for the Cheyennes to venture that far east into the more settled area of the

state. Charley would recall that he walked to Topeka to alert the authorities, alone, but he actually accompanied the messenger. It was decided then that Charley was coming back to Topeka. He lived with an aunt in the large, extended Curtis family, though his Grandmother Curtis exerted a huge influence.

The great decision came when he was 13 years old. The Kaw were being removed to the Indian Territory and they had walked northward to visit their cousins, the Potawatomi. On the walk back to Council Grove they were camped near Topeka and Charley went out to camp with them. His cousins urged him to come with them and he would later remark that he was "adrift." His Grandfather Curtis had passed away, his world was uncertain. Why not go with his people?

But during the night, his mother's mother, Julie Pappan, came to him and told him she loved him above all. She said he should return to Topeka, live with his white family, get an education, make something of himself.

He often repeated this story saying it was that moment when he chose the white man's world and that everything he had accomplished he owed to his Grandmother Pappan.

Curtis is remembered as a controversial figure. He believed in assimilation and helped author the Curtis Act which was a blow to tribal sovereignty. Ironically, his goal was to see that American Indians were American citizens and had the right to vote. It boggles the mind to think this was even an issue but it was 1962 before American Indians had the right to vote in every state. He saw voting as the ultimate power. He thought the reservation system segregated the tribes from mainstream society, to their detriment.

Since the election of Kamala Harris, much has been made of her being the first person of color to hold the office. As the cry went out not to forget Charles Curtis, the mantra was amended to say the first woman of color. I have been interviewed about his life and legacy by numerous television and radio stations and last week had a Zoom interview with a French jour-

nalist for a magazine article.

I am gratified that Charley is being remembered. I have been working on a book about him ever since I first heard his story. Ken Spurgeon is collaborating with me on this, and many other, projects.

On January 24, I will lead a seminar on Charley at the Fort Wallace Museum. At 3 p.m. Central time, we will begin the three-hour session which will be broadcast on Facebook Live. Maybe we will try to record it as well. I invite you all to join us.

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.debgoodrich@gmail.com.

## Kansas House creates new water, redistricting committees

(AP) - A newly created Kansas House committee will focus on water issues, and the chamber's Republican leaders have taken their first step toward redrawing the state's political boundaries.

House Speaker Ron Ryckman Jr., an Olathe Republican, said in a recent statement that one goal of the chamber's Republican supermajority is "protecting our state's agricultural roots for the long haul."

He said the new Water Committee will examine policy "particularly in relation to our ag and rural economies." Republican Rep. Ron Highland of Wamego will lead the new committee.

The Water Committee replaces the Rural Revitalization Committee. But House GOP leaders have expanded the focus of the House Financial Institutions Committee so that it will include rural development.

The state constitution requires a redrawing of Kansas' political boundaries once every ten years based on the federal census, and that's due to happen in 2022. House GOP leaders appointed a 12-member Redistricting Committee led by Republican Rep. Chris Croft of Overland Park.

Sixteen of the House's 25 designated committee chairs are returning to the positions they've had for the past two years.

But Republican Rep. Steven Johnson of Assaria is moving from tax committee chairman to insurance committee head, and the panel also will handle pension issues.

## USDA Secretary Sonny Perdue issues proclamation honoring long-time broadcaster Orion Samuelson

The U.S. Department of Agriculture (USDA) recognizes the achievements of longtime broadcaster Orion "Big O" Samuelson for six decades of contributions to agriculture journalism.

"There's a saying that today's news is tomorrow's history," said U.S. Agriculture Secretary Sonny Perdue. "Orion Samuelson's decades of agriculture reporting has helped farmers understand the latest Washington policies and he has also helped all audiences appreciate the importance of agriculture to our communities and to the economy."

Samuelson is retiring this month after 60 years in agriculture broadcasting with WGN radio in Chicago. There, he covered agriculture and food production, met with U.S. presidents, traveled to dozens of countries, and encountered many foreign dignitaries, all while reporting on the contributions of American agriculture to the U.S. and world economy. Samuelson is a 2003 National Radio Hall of Fame inductee.

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## There was no sale held Friday, January 1st

Happy New Year!

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- 45 Big fancy Montana origin 3/4 Ang 1/4 Simm 1st calf hfrs, AI bred to 3/4 Ang 1/4 Simm Bull May 10, cleaned up w/ 3/4 Ang 1/4 Simm Bull. Hfrs have all shots including 1st rd of Scourguard.
- 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.
- 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 X commercial OCV hfrs from reputation closed herd. AI bred to Ozzie or Concord for Feb. 8 calving, cleaned up 50 days w/ Fink calving ease bull. 1 rd Scourbos.
- 25 choice bwf 1st calf OCV hfrs, AI bred to LBW Conneally Angus bull to start calving early Feb. Cleaned up Angus bull for 60 days.

#### 1ST CALF HEIFER PAIRS

- 15 Home raised blk X 1st calf hfrs, w/ Angus sired Dec. 1-Dec. 10 calves by side.
- 7 fancy blk 1st calf hfrs w/ 3 week to 45 day blk calves by side.

#### BRED 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.
- Complete Dispersal: 20 blk bwf cows, 3 yrs to older, bred Angus for Apr.-May calves.
- 8 blk cows, 3 yrs to SS, bred Angus due to calve Mar. 7th.
- 50 blk bwf cows, 4 yrs to older, bred Red Angus for April-May calving.

#### PAIRS

- 20 blk & bwf cows, 3-6 yrs w/ Nov.-Dec. calves by side. Calves banded plus blk leg, cows 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.
- 40 Fancy Blk cows, 4-6 yrs with big Sept.-Oct. calves by side, running back registered Blk Angus bull, calves all worked.

#### BULLS

- 1 polled Hereford bull, 18 months old.

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- 20 blk str & hfrs, 3 rds shots, poured and wormed, weaned 45 days, 500-650 lbs.
- 25 F1 Red Ang Heref cross str, weaned Nov. 30th, 2 complete rd. shots, 500-650 lbs.
- 40 open running age blk bwf cows, 1,000-1,200 lbs.
- 50 blk Angus & Red Angus hfrs, 2 rds shots, long weaned, bunk broke, 650-750 lbs.
- 30 blk bwf long yearling str & hfrs, 800-900 lbs.
- 17 blk str & hfrs, weaned Nov. 13th, 650-750 lbs.

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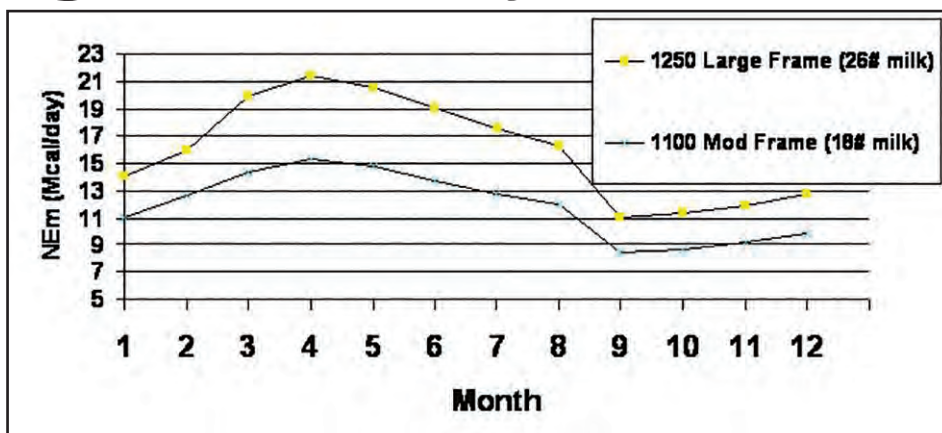
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# Matching inventory to available resources

By Glenn Selk

Mature weight and milk production of many commercial beef cows are both greater than they were 30 to 40 years ago. Many ranchers have not recently weighed the adult cows in their herd to know what average mature weight to expect. Therefore most commercial ranchers would underestimate the mature size of their cows. To expect large, heavy-milking cows to be in moderate body condition at calving and maintain condition through breeding, they must receive more feed than smaller lighter-milking cows. The graph below uses the 1996 National



Research Council's guidelines to show the energy needs of two different body types and levels of milk production. These energy requirements would

be representative for cows calving in February and March and weaned in October. The top line represents the energy needs of 1250-pound heavy-milking

beef cows versus the lower line which represents the needs of 1100-pound moderate-milking beef cows. The values graphed are the megacal-

ories per day required to maintain body weight throughout the year.

The larger heavier-milking cow requires about 34% more energy on the average for an entire year. Consequently, an operation that was carrying 100 of the smaller cows must carry only 66 of the larger cows in order to utilize the same quantity of forage from that farm or ranch. She also will need 34% more winter hay and supplement to maintain body condition. In some commercial herds, there are cows much larger than the 1250-pounders depicted in this graph.

As we take inventory

at the end of 2020, this is a time to reconsider herd numbers and cow size to better fit the stocking rates required. Reduced stocking rates will be necessary if range and pasture condition has deteriorated in recent years. Diminished forage availability will lead to poorer cow body condition, more supplement and hay feeding or both. The start of a new year would be a good time to honestly review our cow herd weights and stocking rates. The year 2021 would be an excellent time to begin the process of better matching the cows to the forage base at our ranch.

## Cattle Chat: controlling costs is key to making profits

By Grace Jacobson

If a business wants to keep its doors open, it has to make a profit. Similarly, cattle operations must turn a profit, according to the experts at the Kansas State University Beef Cattle Institute.

To that point, agricultural economist Dustin Pendell has been analyzing the expenses and revenues of cattle operations through his research. On the weekly podcast, Cattle Chat, K-State's beef cattle experts focused on net return over total costs.

"When we look at average returns over total costs for all operations, most years are below zero," said veterinarian Brad White, who is also director of the Beef Cattle Institute director.

Pendell said some of producers' main fixed costs are expenses from interest, and depreciation of equipment and cattle.

"Another big cost is the unpaid operator labor, and that is one of the differences between the variable and fixed cost charts. It's about \$150 per cow difference showing up in the net unpaid labor cost," he said.

Pendell referred to a graph that shows negative net returns, but noted that despite how that graph looks, some people are still making a return on investment. For 66% of producers, costs are the main difference between the net return of low- and high-profit farms.

"A lot of the indications for those herds that are still making profits in tough years is that they control costs," said K-State veterinarian Bob Larson.

Larson noted that another pattern found in the data is that larger operations - not necessarily larger herds - tend to have lower total cost per cow.

"If you think about what I want to accomplish for

my total farming operation, including cattle and crops, owning the cattle kind of fits in there with some positives," Larson said. "They don't show up totally in your numbers."

White said the producer needs to understand their objective for having cattle, including the fixed and variable costs of an operation.

Here are the top considerations for managing fixed costs in the cattle operation:

- Understand your objective of having cows
- Optimize labor use for the operation
- Manage depreciation
- Measure fixed costs: you cannot manage them if you do not measure them

To hear more of the discussion, tune in to the BCI Cattle Chat podcast.

## Changing farm bill elections

By Brett Melton, River Valley Extension agent, livestock production

When the 2018 Farm Bill came out, it had many similarities to the previous Farm Bill. We still had the two main programs to choose from for crop protection, Agriculture Risk Coverage - County (ARC-CO) and Price Loss Coverage (PLC). There were some minor tweaks to these programs, but the payment structure remained the same. The most significant change that benefited landowners and producers is that they can make changes after the second year. Producers

had to choose the program they wanted for each crop by March 15th, 2019. They were then stuck with that program for the 2018/2019 and 2019/2020 marketing years. Producers can change elections now until March 15th, 2021 for the 2021/2022 marketing year.

Many producers see the increase in prices over the last few months and think they need to change programs (and they may be right). We are currently in the 2020/2021 marketing year. This marketing year ends in May for wheat and August for milo, corn, and soybeans. By the time elections are made for the

2021/2022 marketing year, we will have two months for wheat and 5 months for fall-crops before the marketing year starts. Keep this in mind if you are thinking about changing programs. Prices can change quickly in either direction before the marketing year starts.

Two simple things go into each payment, yield and price. I joke with producers and say if they could tell me future yields and prices, I will tell them which program they should choose. Of course, they laugh because nobody can predict the future despite their best ef-

forts. However, we can all speculate using the best information. The website [www.AgManager.info](http://www.AgManager.info) has monthly updates on MYA prices and grain market outlooks. This information can help producers determine if they need to change programs. Also, producers can call the River Valley Extension Offices if they need help determining which program they should select going forward.

If you have questions, please contact Brett Melton by calling 785-243-8185 or by emailing [bmelton@ksu.edu](mailto:bmelton@ksu.edu).

## Unwanted trees? Now's the time to take preventive steps

Ward Upham has trees on his mind these days, and it's possible many homeowners should, too. Upham, a horticulture

expert at Kansas State University, said that although trees are a vital part of landscapes, there are situations where volunteer trees - saplings that come up from seeds by themselves in yards and gardens - need to be controlled.

"This is often the case of having the wrong plant in the wrong place," Upham said. "If the tree is small and a desirable species, you may want to consider leaving it alone and trans-

planting it in the spring. But if not, then active control measures would be in order right now."

Upham said cutting trees can be effective for those that do not resprout, such as the eastern red cedar. However, many other varieties resprout after cutting, including the Siberian elm, hackberry, Osage orange (hedgeball), oak, ash, aspen, cottonwood, maple, sycamore, willow and others.

"These trees will either need to be dug out, or the cut stump should be treated with herbicide after you cut it," Upham said.

He noted that triclopyr and glyphosate are the herbicides most commonly available to homeowners. "Triclopyr is found in many brush killers and glyphosate is found in Roundup, as well as numerous other products," Upham said.

It's important, he added, to read a product's

label before purchasing to make sure that it is appropriate for treating a cut stump. The product can be applied with a paint brush, ideally within five minutes after cutting the stump.

"Trees do not need to be actively growing to be controlled," Upham said. "Actually, this time of year is a very good time to treat as long as applications are made when the temperature is above freezing."

Upham and his colleagues in K-State's Department of Horticulture and Natural Resources produce a weekly *Horticulture Newsletter* with tips for maintaining home landscapes. The newsletter is available to view online or can be delivered by email each week.

Interested persons can also send their garden- and yard-related questions to Upham at [wupham@ksu.edu](mailto:wupham@ksu.edu), or contact your local K-State Research and Extension office.

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# APHIS announces \$14.4m for animal health research projects

The U.S. Department of Agriculture's (USDA) Animal and Plant Health Inspection Service (APHIS) is awarding \$14.4 million to 76 projects with states, universities, and other partners to strengthen programs to protect animal health.

This critical funding supports projects focused on increasing practical livestock biosecurity measures or advancing rapid depopulation and disposal abilities to be used during high-consequence animal disease outbreaks. It will also support projects to enhance early detection of high-consequence animal diseases and improve emergency response capabilities at

NAHLN veterinary diagnostic laboratories.

"We continue to use our farm bill funds to increase our capabilities and prepare for potential foreign animal disease incursions," said USDA Undersecretary for Marketing and Regulatory Programs Greg Ibach. "Our consultation board and leaders in animal health and laboratory diagnostics provided recommendations for the type of projects we would fund, to make sure we were targeting these funds where they can make the most impact. Our partners across states, laboratories and industry alike will benefit from the projects we are funding."

The 2018 Farm Bill provided funding for these programs as part of an overall strategy to help prevent animal pests and diseases from entering the United States and reduce the spread and impact of potential disease incursions. This is the second year APHIS is providing this farm bill funding. Last year, APHIS provided \$10.2 million that funded 44 projects.

**Disease preparedness**  
APHIS is awarding \$9.3 million through the National Animal Disease Preparedness and Response Program (NADPRP). The 46 NADPRP funded projects will individually and collectively address critical livestock

biosecurity and large-scale depopulation and carcass disposal concerns in all major livestock industries across all regions of the United States. These projects will be led by state animal health authorities in 16 states, 14 land-grant universities and two industry/veterinary organizations.

The projects will address increasing practical livestock biosecurity measures, as well as advancing rapid depopulation and disposal abilities to be used during high-consequence animal disease outbreaks:

24 projects will focus on livestock biosecurity;

22 projects will focus on large-scale animal de-

population and carcass disposal in animal disease outbreak response events;

12 of the projects are national in scope;

7 of the projects have a regional scope; and

27 projects focus on state-specific issues.

**Animal health laboratory**

APHIS is awarding \$5.1 million through the National Animal Health Laboratory Network (NAHLN). The 30 NAHLN funded projects will be led by NAHLN laboratories representing 21 states. The projects will help NAHLN enhance early detection of high-consequence animal diseases and improve

emergency response capabilities at NAHLN veterinary diagnostic laboratories.

Several projects include improving diagnostic testing for high concern diseases, including African swine fever, classical swine fever, foot-and-mouth disease and avian influenza. This year, ten of the states are receiving their first Farm Bill funding while 11 states are receiving funds for the second year.

A full list of awarded NADPRP and NAHLN projects are available. More information about these programs is available at: <https://www.aphis.usda.gov/aphis/resources/farmbill>.

# AGCO introduces all-new Challenger MT800 Series track tractors

AGCO Corporation, a global leader in the design, manufacture and distribution of agricultural machinery and solutions, introduces the all-new Challenger® MT800 Series track tractors. Building on proven innovations from AGCO's 30 years of experience in track tractors, these machines boast new engine and transmission combinations, an enhanced track and chassis system, more hydraulic and hitch options and a redesigned operator-friendly cab. In fact, MT800 Series tractors, equipped with the AccuDrive™ powertrain, are the most powerful two-track tractors available with a stepless transmission.

"AGCO is excited to introduce the long-anticipated new Challenger MT800 Series track tractors to our loyal Challenger customers throughout North America," says David Soliday, AGCO senior tactical marketing manager. "They've been asking for improved efficiency in a high-horsepower track tractor with the benefits of flotation and the ease of a stepless transmission. The new MT800 Series is a great addition to the Challenger line of track tractors and a perfect example of AGCO's commitment to serve the producers who require a proven, dependable high-horsepower tractor to pull today's heavy tillage and planting implements."

**Tremendous power and fuel efficiency**

Whether the task at hand is deep ripping, subsoiling, installing tile or high-speed planting, the MT800 Series offers the power to get the job done quickly and efficiently. Producers can choose from among four models in the MT800 Series, all of which run reliable and proven engines by MAN. The MT851 (511 HP), MT856 (564 HP) and MT862 (618 HP) are powered by MAN 15.2-liter, 6-cylinder diesel engines, whereas the MT867 (673 HP) is equipped with a MAN 16.2-liter 6-cylinder diesel engine. Both power plants utilize a low engine speed approach that creates high torque even at lower speeds. AccuDrive allows for an engine speed range of 1,000 to 1,700 rpm, providing maximum torque from 1,100 to 1,450 rpm.

The Challenger Accu-VT™ continuously variable transmission (CVT) is engineered to optimize the benefits of track tractors. Accu-VT can achieve ground speed from 65 feet per hour to as much as 25 mph, all at reduced engine speed. The Tractor Management System (TMS) automatically controls engine speed and transmission ratio to ensure constant ground speed.

"The Accu-VT allows producers to pull the heaviest implements through the toughest conditions with maximum torque and minimum fuel usage," Soliday says. "The transmission continually adjusts to optimize fuel consumption based on load. When no torque is needed, fuel savings are even more significant."

**Maximum power transfer, minimal soil compaction**

This efficient powertrain is harnessed to an innovative undercarriage

backed by more than three decades of track system experience.

"The MT800 Series offers a suspended undercarriage and the widest offering of track belt choices on the market," Soliday says. "The longer wheelbase provides ideal track-to-ground contact, improving flotation and minimizing soil disturbance and compaction while also maximizing power transfer."

The MT800 Series' two-track design affords advantages over quad-track tractors. There are fewer components to maintain, which helps reduce operating costs. There's also less weight, which allows horsepower to be directed to the task at hand, instead of moving the machine. Numerous ballasting options — including front and chassis weights — are available to improve machine balance, headland quality and drawbar pull capacity.

Whereas quad-track tractors have a fixed track width, the MT800 Series allows for track widths from 88 inches to 128 inches, so operators can select a width for the specific task at hand or maintain controlled traffic lanes to reduce soil compaction across a field. Four track styles are available in as many as four belt widths from 18 to 36 inches, depending on the style. Suspended mid-wheels help to maintain constant contact on all surfaces, providing excellent ride comfort.

**Increased operator comfort and productivity**

Further improvement in operator comfort in both field and road conditions is achieved through the Challenger SmartRide™ suspension. The hard-bar front axle is connected to the chassis via the suspension system that uses coil springs with rubber dampeners. An optional load-leveling system, SmartRide+™, integrates hydraulic cylinders

within the springs, allowing the tractor's pitch to be controlled. Not only does this help maintain the correct implement and linkage geometry, but a level tractor will also have an improved ride because suspension travel is optimized.

Sitting atop the chassis is the all-new MT800 Series cab. Customers can choose from either the standard suspension of four-point shock absorbers with rubber elements or the two-point cab suspension, a first among conventional track tractors.

"This cab has sturdy coil springs with integrated shock absorbers at the rear and two shock absorbers with rubber bumpers on the front," Soliday says. "With nearly four inches of travel at the rear of the cab, the cushioning efficiently absorbs vibrations that are sent from the ground over the fixed rear axle."

Inside the cab, operators have a choice of three air-suspended seats: cloth, leather with heat and leather with heat and ventilation. Integrated with the seat is the adjustable multifunction armrest with the 10.4-inch Challenger AccuTerminal™ that places both tractor and implement controls at the operator's fingertips. The layout of the controls is similar to that of other Challenger equipment, allowing for familiarity as operators move from one machine to the next. The exclusive, single-spoke steering wheel is ergonomically shaped for effortless steering. Integrated audio system controls are optional.

Challenger Guide smart farming guidance package options allow an operator

to connect the MT800 Series tractor to a multitude of systems available on the market today. Systems such as Challenger Guide Contour Assistant and the TI Headland automated operating sequence, for example, save operators time and improve the quality of work, especially on headlands. The AGCO Connectivity Module enables communication with Challenger Connect, the MT800 Series' telemetry system, simplifying fleet management and quickly identifying error codes.

**Hitch system options for every implement**

Multiple rear hitch systems are available to connect the power of the Challenger MT800 Series to any number of implements. Customers can choose from three drawbars and two, three-point hitches.

A Category 5 fixed drawbar with an 11,000-pound vertical load rating is standard. Operators may also choose a wide-swinging roller drawbar with 11,000-pound load rating or a hydraulic-controlled drawbar with 15,000-pound load rating. These options offer 28 degrees of horizontal swing both left and right, so the tractor can turn more smoothly while under load, reducing fuel use and improving operator comfort.

AGCO offers the only tractors on the market available with a steerable three-point hitch. This feature allows the MT800 Series to make headland turns closer to the center point of wide implements when under high draft loads. It also reduces the amount of steering power needed while maintaining a higher draft force.

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JD 4020D tractor w/Du-All loader; JD 3010D tractor w/148 loader; AC 190 XT dsl. tractor; AC WD tractor; IH 560D tractor w/loader, not running; 2 MF 1560 big rd. balers; IH 445 W. sq. baler; JD 1600A 14' swather; Vermeer WR24 rake; 4 older hay rakes; Brave log splitter, 3 pt.; pickup slide-in sander; 2 semi van boxes, storage only; Thompson 16' boat, needs repair; 98 Chevy 3500, single cab, 4WD; 02 Dodge 4WD, crew cab; 99 GMC 1/2T 4WD; 90 Ford F-250 C-C only 7.3, very rough; 04 Ford Taurus, needs work; 90 Ford Ranger, bad motor; 95 Dodge Intrepid, salvage, no title; selection of household items; 40+/- Barbie dolls, IOB; good selection 1/18-1/61 model cars; 3 vintage bikes; 60+/- chain saws, various condition; lots of salvage; hand & shop tools; 2019 big bales hay.

**MANY, MANY OTHER ITEMS! All must be removed by Jan. 31.**  
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**REAL ESTATE AUCTION**  
**THURSDAY, JANUARY 28, 2021 — 7:00 PM**  
Clay Center United Methodist Church Family Life Center  
921 5th Street - CLAY CENTER, KANSAS

**4 tracts in Exeter, Gill & Union Townships, Clay County, KS**  
**TRACT 1: The E2NW4 of Section 3-10-3 in Gill Township, Clay County, KS.** According to FSA records this tract consists of 79.96 acres which is all classified as cropland with 74.01 tillable acres and 5.95 acres of waterways. This farm lays good and is comprised almost entirely of the very good Class II Crete (Cs) soil type. There is a small area of Class III Crete (Ct) soil to the east. There are no buildings or CRP acres on this tract. This land has been well farmed and maintained. It is well located in a prosperous farming community with one-quarter mile of frontage along the south side of paved State Highway #82 about 3 miles straight west of Wakefield, Kansas. 2020 property taxes were \$1,803.24.

**TRACT 2: The E2SW4 of Section 32-9-3 in Union Township, Clay County, KS.** According to FSA records this tract consists of 77.54 acres which are all classified as cropland. The cropland includes 70.54 tillable acres and 7.00 acres of waterway with grass, trees and a rolling habitat. This is a rolling farm with a mixture of soil types. Approximately 50% of the soil is Class II Crete (Cs), About 30% is Class III Crete (Ct), and the balance on the south is comprised of Class II Hobbs (Ho) and Class IV Benfield (Be). This land has been well farmed and maintained. It is well located in a prosperous farming community with one-quarter mile of frontage along the north side of paved State Highway #82. It is about 5 miles west of the small lakeside community of Wakefield, Kansas and 2 miles west of Tract 1. It is just one-quarter mile west of Highway 15 to the southwest corner of the tract. The county seat of Clay Center, Kansas is 12 miles to the north. This Tract adjoins Tract 3 on the north. 2020 property taxes were \$1,620.80.

**TRACT 3: The E2,NW4 of Section 32, Township 9, Range 3, Clay County, KS less a parcel which is part of the farm site.** This farm is situated in Union Township and consists of 75.75 acres according to FSA records. This farm is all cropland and includes 69.52 tillable acres and 6.23 acres of waterway. The soil types are mostly Class 3 Crete (Ct) with an area to the south of Class 2 Crete (Cs). From Clay Center, Kansas go 9 miles south on Highway 15 to 8th Rd. then one-quarter mile east to the northwest corner of the tract. From Wakefield, Kansas it is 6 miles west, 1 north and one-quarter mile east. This tract adjoins Tract 2 on the south. 2020 property taxes were \$1,628.56.

**TRACT 4: The NE4 of Section 26, Township 9, Range 2, Clay County, KS less tract with house, building and pasture.** This farm is situated in Exeter Township and consists of 148.12 acres according to FSA records. This farm has 129.47 acres of cropland including 119.47 tillable acres and 10.00 acres of waterway. The rest of the tract includes approximately 18.65 acres of pasture, and other grass and habitat. The predominant soil is Class 3 Crete (Ct) with some areas of Class 2 Crete (Cs). There are smaller areas of Class 2 Hobbs (Ho) and Class 3 Geary (Gc). This tract is located from Clay Center, Kansas 8 miles south on Highway 15 to 9th Rd. then 2 miles west to the northeast corner of the tract. From Wakefield, Kansas it is 6 miles west, 2 north and 2 west. There is one half mile of frontage along the south side of the backlot. 2020 property taxes were \$2,971.62. This farm has approximately 32.8 acres of growing wheat.

**TERMS:** Contracts to close on or before March, 15th, 2021. The buyer is to pay 10% down day of sale with the balance due at closing. Title insurance and escrow fees are to be paid 1/2 each by the seller and the buyer. The seller will pay 2020 and all prior years property taxes. The 2021 property taxes are to be paid by the buyer. The buyers will get possession at closing. No crops are currently growing on Tracts 1, 2 & 3 and they are open for spring crops. There are approximately 32.8 acres of growing wheat on Tract 4. The buyer will receive the landlord's 1/3 share of the wheat crop and possession of the wheat ground after harvest. The buyers will receive all mineral rights. The contract, deed and down payment will be escrowed at Clay County Abstract & Title Company, 610 5th, Clay Center, Kansas 67432. Announcements made sale day to take precedence over printed matter. The sellers and their agents are not responsible for accidents. The auction firm is working for the sellers. **SOCIAL DISTANCING & MASKS are Recommended!**

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**Anti-meat group shows true colors**

Recently, the head of an anti-meat extremist group posed as the CEO of a major pork producer during a national television interview, making outrageous and false claims about the U.S. pork industry and challenges it faced during the COVID-19 pandemic. The following statement may be attributed to National Pork Producers Council president Howard "A.V." Roth:

"Taking advantage of this black swan event to drive an anti-meat, anti-livestock agriculture agenda is reprehensible. These radical extremist groups who typically work shrouded in secrecy and false identities - frequently while breaking the law - are only able

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to propagate their false narrative by hoodwinking journalists and posing as credible sources. Meanwhile, despite enormous challenges this year, hundreds of thousands of committed farmers and others employed in the pork production industry remain dedicated to keeping Americans and consumers around the world supplied with affordable, nutritious protein.

"The COVID-19 pandemic has caused record numbers of Americans to be food insecure. U.S. pork producers are proud to help feed those in need and these extremist groups should be ashamed of their stunts. Apparently there is no low for their actions."

**Group hopes to revive sod house museum in central Nebraska**

(AP) - Three Gothenburg business owners are working to revive the old Sod House Museum at the town's exit off of Interstate 80.

J.C. Smith said he and his business partners were attracted to the site partly because they noticed that dozens of dog walkers stopped there each day to exercise their pets, according to the *Lincoln Journal Star*. So the owners of Crop Tech Solutions bought the site that includes the sod house, a big red barn, a large plow and a steel bison built out of barbed wire.

"It's that free opportunity that's passing through Gothenburg that we're trying to capture," Smith said. "We don't care about making money. We want to grow our other business and benefit the town."

Smith and his partners plan to shore up the old sod house, and they'd like to start using the barn to host community events. That may eventually add cabins that travelers can rent overnight.

Anything that draws travelers and their spending money off the interstate is good for the economy, said Deb Egenberger, executive director of the Community Development Office.

"We love that we have a trio of younger people that really have a vision for getting people into Gothenburg and keeping them here for a while," she said. "We're really glad to have them doing it."

**Tell them  
you saw it in  
Grass & Grain!**

**After healthcare workers, essential meat and poultry workers should be high priority for COVID vaccine**

The North American Meat Institute (Meat Institute) has urged federal authorities to highly prioritize COVID-19 vaccination for the men and women who work in the meat and poultry industry, following healthcare workers and those in long term care facilities.

Meat Institute president and CEO Julie Anna Potts commented:

"The men and women of the meat and poultry industry help keep America's grocery stores stocked and our farm economy working. They should be highly prioritized for COVID-19 vaccination, following our nation's brave health care workers.

"The meat and poultry industry was among the first sectors to be challenged with the pandem-

ic, and since March the industry has implemented effective programs and controls to stop the spread of COVID. Our efforts are working, but access to vaccines remains the most critical tool to protect this critical infrastructure workforce."

Since the spring, meat and poultry companies have implemented health recommendations from the Centers for Disease Control and Prevention (CDC) and the Occupational Health and Safety Administration and, in many cases, additional measures. The industry has spent more than \$1 billion to date on procedures and controls to both support and protect employees. These measures include physical adaptations to facilities, personal protec-

tive equipment, enhanced sanitation, advanced ventilation systems, extensive testing and contact tracing, enhanced health care services, and more.

Earlier, the CDC Advisory Committee on Immunization Practices (ACIP) recommended the initial phase of the COVID-19 vaccination program (Phase 1a) should include providing vaccines to health care personnel and residents of long-term care facilities.

KatieRose McCullough, Ph.D. MPH, Director, Regulatory and Scientific Affairs for the Meat Institute, submitted written comments urging ACIP to prioritize vaccination for meat and poultry workers during the next phase (Phase 1b).

Including meat and poultry workers in Phase

1b will:

Protect meat and poultry workers as critical infrastructure employees whose heroic efforts feed the nation throughout the pandemic;

Increase health equity as the workforce is highly diverse and includes populations the CDC has also identified as greatly affected by COVID-19;

Strengthen vaccine distribution in rural communities with limited health care infrastructure, where meat and poultry facilities are major employers; and

Maximize efficiency using existing protocols and procedures that make meat and poultry facilities ideal locations to efficiently distribute vaccines, especially those facilities with medical staff on site.

**Novel sperm imaging technique could improve cattle, human fertility**

University of Illinois researchers have developed a new technique to determine the fertility of sperm samples in cattle.

"This work is a part of a five-year project to develop dairy cattle that are resistant to heat and diseases in tropical areas. We want to donate these cows to developing countries to increase their food production," said Matthew B. Wheeler, professor in the Department of Animal Sciences at Illinois.

In order to develop these traits in cattle, the researchers need to determine which sperm samples work best for in vitro fertilization. A novel imaging approach, published in the *Proceedings of the National Academy of Sciences*, moves that effort forward.

"Although males may have sperm that are seemingly perfect, there could be morphological or DNA issues. This approach allows us to evaluate the spermatozoa and select the best in terms of fertility," said Marcello Rubessa, a research assistant professor in Wheeler's team.

Traditional techniques for imaging sperm samples are slow and labor intensive, and involve toxic stains. To circumvent this issue, Wheeler's team, along with a group based in the Beckman Institute for Advanced Science and Technology, used label-free imaging techniques developed in the Beckman Institute's Quantitative Light Imaging Laboratory (QLIL) to determine what parameters of the sperm make them fertile.

"We knew from the fertilization experiments which sperm samples worked. We used our imaging technique to understand what parameters were important for success," said Mikhail Kandel, a graduate student with the QLIL. "We saw that the relationship between the size of the head and the tail of the sperm is an important param-

eter for fertility."

Additionally, the researchers also improved the speed of the technique. "We used artificial intelligence to automate the process of analyzing these sperm cells," said Yuchen He, a graduate student with QLIL.

The researchers hope to improve the speed of the technique for future analysis. "The motility of the sperm is sometimes fast. Therefore, we need to do the measurements quickly," said Gabriel Popescu, director of the QLIL and professor in the departments of electrical and computer engineering and bioengineering at Illinois.

"For many years, we have developed various techniques for label-free imaging knowing that we had to give away molecular specificity," Popescu said. "However, our newly developed phase imaging with computational specificity brings back the molecular specificity via AI, which is harmless and works on live cells. The applications are limitless, but one that truly benefits from absence of chemical stains is assisted reproduction, as described in this collaborative study."

The researchers hope to further develop the technique for assisted reproductive technology in humans.

The study, "Reproductive outcomes predicted by phase imaging with computational specificity of spermatozoon ultrastructure," is published in the *Proceedings of the National Academy of Sciences* [DOI: 10.1073/pnas.2001754117]. The study was supported by grants from the Ross Foundation, the United States Department of Agriculture, the National Institutes of Health, and the Integrated Grants Management System.

The Department of Animal Sciences is in the College of Agricultural, Consumer and Environmental Sciences at the University of Illinois.

**Brown receives Acres U.S.A.'s 2020 Eco-Ag Achievement Award**

Gabe Brown, the author of *Dirt to Soil: One Family's Journey into Regenerative Agriculture*, recently received the 2020 Eco-Ag Achievement Award from *Acres U.S.A.* magazine. The magazine conferred the award to Brown during its 45th Annual 2020 Eco-Ag Conference in part for his role as "a tireless advocate for a farming philosophy that puts soil health at the center of its mission."

A North Dakota regenerative farmer/rancher, Brown is a founding partner in the regenerative agriculture consulting group, Understanding Ag, LLC, and a co-founder of the non-profit organization Soil Health Academy.

"This year's award winner stood out both for the work he has done on his own farm and the voice he has provided for regenerative agriculture, not only in the community

of ecological farmers that already exists, but also beyond that into the mainstream," said *Acres U.S.A.* events manager Sarah Day Levesque during the award presentation. "He is a pioneer of the soil-health movement and has even brought regenerative agriculture to the front of Wheaties cereal box."

"I'm honored to have been selected for the award on behalf of all of

my fellow regenerative farmers and ranchers who are working tirelessly to forge a better and more profitable future for everyone by implementing the principles of regenerative agriculture," Brown said. "Along with my colleagues, I'm delighted to play a role in helping others successfully and profitably implement soil health-focused regenerative agriculture practices in their operations."





# Sample forages before designing your feeding program

By Jody G. Holthaus, Meadowlark District Extension agent, livestock and natural resources

As cow-calf producers strive to reduce feed costs by finding different avenues to increase grazing days, many still have to use harvested forages in their year-round feeding program. Sampling and testing forages for quality can make designing a feeding program easy and economical. Nutrient concentration can vary considerably in feeds especially forages. Protein in alfalfa hay can range from 10-25% on a dry matter basis and grass hay will contain between four and 18 percent protein. Using book values to balance rations can result in many times over or under feeding certain nutrients.

The most important factor that impacts forage quality is maturity at harvest. As the plant matures, fiber concentration increases. Fiber is less digestible than other plant parts and fiber digestibility declines as plants mature. Both of these factors cause the concentration of energy in plants to decline as maturity advances. Protein concentration also declines as plants mature.

## New class of Pioneer® brand seed products builds on agronomic achievements

The consistent success of Pioneer® brand seed products and Corteva Agriscience's commitment to innovation shine brightly through the 93 new Pioneer brand corn and soybean products being introduced to the U.S. market in 2021. These products have proven potential after completing multiple years of testing, including pre-commercial IMPACT™ (Intensively Managed Product Advancement Characterization and Testing) trials.

"The importance of excellent agronomic traits can never be overstated. That is increasingly ap-

parent in years like this, where weather extremes are commonplace," said Judd O'Connor, president, U.S. Commercial Business, Corteva Agriscience. "Pioneer brand seeds are thoroughly tested by our team of experts to ensure farmers can have great confidence that their products will perform in a variety of conditions."

This new class of products is built to deliver consistency and top-end yield. The strenuous testing Corteva puts new hybrids and varieties through aims to provide farmers with unmatched yield potential, excellent agronomic

Getting a representative sample, packaging it properly for transport, knowing what to test for, and understanding the analytical numbers are the critical points.

It is important that samples closely resemble the entire "lot" of forage. A "lot" of forage consists of forage harvested from one field at the same cutting and maturity. All forage from the same lot should be similar for crop, soil type, cutting date, maturity or variety.

We have hay probes that you can check out to sample forages. For large round or square bales, the probe should penetrate at least 18 inches into the bale and have an internal diameter of at least 3/8-inch. If the probe is 18 inches or longer, 15 large round bales should be adequate if the "lot" size is 30-40 bales. Collect one sample from each bale by coring straight in from the center of the end of square bales and from the wrapped circumference of round bales. Place the entire sample into a plastic bucket and mix around and then fill a plastic zip-lock bag for transport. For chopped or ground hay, collect about ten small samples during the grinding

traits and top-notch disease and insect resistance in every Pioneer product.

### Arming the Corn Revolution

With 43 new corn products from 26 new genetic platforms, the 2021 class of Pioneer brand hybrids are ready to join the ranks of the high-performing products in Pioneer's product portfolio. Expanding on the success of earlier classes, the 2021 class features many top-performing options, with maturities ranging from 75 to 117 CRM.

Spanning the past three years, the 2020 class, dubbed the "Corn Revolution," has provided a noticeable benefit to farmers, averaging an 8.8 bu/A average yield advantage over competitors in on-farm and IMPACT™ trials.1 The 2021 class will build upon that success with a wide selection of products to meet the needs of farmers, including such key products as:

12 new Pioneer brand Qrome® products, which deliver an optimized balance of yield, agronomics and corn rootworm protection.

Four new Pioneer brand Optimum® AQUA-max® products, with key native traits that improve

root systems and silk emergence while excelling in both limited and optimal water environments.

Three new Pioneer brand Optimum® Leptra® insect protection hybrids that provide superior protection against above-ground pests, protect grain quality and help maximize yield.

Three yellow food-grade and two white food-grade products, one waxy product and five new conventional products, expanding its leading portfolio of end-use products and demonstrating its commitment to innovation and choices in specialty corn markets.

"Pioneer brand Qrome products continue to play a critical part in the Corn Revolution and are making significant gains in the marketplace," said Geoff Graham, vice president of plant breeding, Corteva Agriscience. "By adding these new Qrome products, we are building upon the success we saw this year — a 7.7 bu/A yield advantage over competitive SmartStax® technology.2 The entire class demonstrates our commitment to the success of every farmer in every location, so they can select the hybrids that best fit their opera-

process and place them in a plastic bucket for mixing then place the sample into a zip-seal bag for transport. If you are sampling a pile, take about one-fourth of the samples from the top half of the pile and the rest from the lower half.

Label the bag with your name, address, lot ID, and type of material in the bag. Most testing labs provide a description sheet to report this information and to request the desired test. Freeze samples containing over 15 percent moisture until shipping and store dry samples in a cool location.

Livestock producers should set aside high-quality hay for those animals in need of high nutrient requirements, such as young animals and females in the last one-third of gestation or in the early stage of lactation. Poor quality hay should be reserved for animals with lower nutrient requirements, such as females in early gestation after weaning, or animals that could use additional fiber in their diets.

tions."

### The Power of Pioneer® brand in Every New Soybean Advancement

Fifty new soybean products with unmatched genetic potential and agronomic traits are part of the 2021 Pioneer class of products.

This new 2021 class of soybean products expands upon the success of the 2020 class, which averaged 2.1 bu/A advantage over two years vs. the competition.3 Leading the charge for the new class include several Pioneer® brand Enlist E3® soybean and Pioneer brand A-Series soybean varieties. This robust class covers relative maturities from 00.9 to 5.4, including:

24 new Enlist E3 soybean varieties, which have shown strong yield performance versus competitive varieties with the Enlist E3 soybean trait.

26 new Pioneer brand A-Series soybean varieties, the highest-yielding varieties ever introduced by Pioneer.

Five new Pioneer brand Plenish® high oleic soybeans, a healthier soybean oil that has become the industry standard among processors and end users.

14 Pioneer brand soybeans with Roundup Ready 2 Xtend® technology.

Five Pioneer brand soybeans with Roundup Ready 2 Xtend® technology with LibertyLink® gene stack, the first products with this stack in the Pioneer portfolio.

Two new conventional soybean varieties, which provide more choices to farmers in specialty soybean markets.

"This new class of soy-

bean varieties really sets us apart from the competition and builds on one of the most robust lineups available to farmers," said Jeff Thompson, Global Soybean Research Lead, Corteva Agriscience. "Our commitment to agronomic advancements with our soybean traits is second-to-none and is on full display with this class. By offering more varieties with high yield potential, which are bred with defensive and agronomic traits, we are taking our game to the next level and showing farmers that we mean business when it comes to protecting their yield."

Forty-eight new soybean varieties have native resistance to soybean cyst nematode (SCN). Already a leader in developing varieties with the Peking source of SCN resistance — an effective alternative to the PI 88788 source of SCN resistance — Pioneer advanced five new varieties with the Peking trait, from RM 1.3 to 3.6.

Thirty-four new varieties have genes to protect against Phytophthora — the most common soybean disease. Pioneer is expanding that lineup by introducing stacked 1K/3A varieties, which contain multiple Phytophthora resistant genes and will provide farmers with even greater protection from this disease than currently available.

The Pioneer soybean lineup also advanced ten varieties that have tolerance to sulfonylurea herbicides, which work on a broad range of grasses and broadleaf weeds.

Learn more at [Pioneer.com/US](http://Pioneer.com/US).



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**Happy New Year!**



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- 45 Red Angus str, 700-900 lbs.
- 58 blk Red & Char str, running out, 750-800 lbs.
- 64 mostly blk str, 775-825 lbs.
- 160 mix hfrs, 775-850 lbs.
- 163 Red Angus str, 775-875 lbs.
- 280 mix str 800-900 lbs.
- 64 mostly blk str, 850-900 lbs.
- 30 blk str, 875-950 lbs.

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**EARLY CONSIGNMENTS FOR JAN. 13**

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## Cowboy Up

by Ron Wilson  
Poet Lariat



## Make-Believe Mom

Calving season – and kidding season – is here. Some neighbors are having calves but ours haven't started. However, our small dairy goat herd has been busy having lots of babies. This is the time when mothering ability really is demonstrated. These dairy goats have big udders and they do a good job producing milk to grow those kids.

Almost all these momma goats claim and clean and nurse their babies, giving life-saving colostrum shortly after birth. But every once in a while, something goes haywire when the babies are born. Perhaps there is a medical problem and the baby is orphaned, or maybe the mother doesn't have the correct mothering instinct. In that case, we end up with a bottle baby.

These are the goat kids who need to be hand-fed with colostrum and then milk replacer in a baby bottle. For goats, our baby bottle is a pop bottle attached to a long, slender nipple to mimic the mother's shape and size. The humans become the baby goat's make-believe mommas.

A complicating fact is that goats and sheep, unlike cows and horses, frequently give birth to multiples. That leads to bottle babies, plural.

The other day when I went to chore, I could hear the plaintive cry of a baby goat. That's not so unusual in the midst of kidding season if a baby is hungry or temporarily separated from the mother, but this cry persisted. I checked around the shed and found not one, not two, but three

newborn goats by themselves. Fortunately the weather was mild and dry, but it did not appear that the mother had taken care of them.

I gave them a little time, but it became clear that the mother was not claiming them. My wife and the boys came out to the goat pen and toted them in to the house. We had some old colostrum replacement powder and goat nipples from before, so my wife mixed the powder with warm water and we tried to nurse them.

No luck. The baby goats did not seem to want the fake milk, and I feared we were headed for a bad end. I needed some other supplies at the feed store so I ran to town, and picked up some fresh colostrum replacer also. When I returned, my wife mixed up some of the new powder. The baby goats liked it and began to nurse! All three of them!

So the good news is that we now have three bottle babies. The bad news is that we now have three bottle babies! (About that being bad news, I'm just, um, kidding. Of course, I'm thankful that they are alive and well. However, they do require feeding every few hours, and that gets tiresome).

Now we are buying big bags of milk replacer. The babies are outside in a pen. They are so cute as they run and jump and play. They love their bottles. Feeding time is a riot. I wouldn't have thought that I would add this term to the rancher's job description: Make-believe momma.

## Bottle Babies

By Ron Wilson, Poet Lariat

For every livestock herd,  
it's important to have fertility,  
And for the female of the species  
to have mothering ability.  
Our dairy goats are known  
for big udders which they bring,  
And they often will have twin  
or even triplet offspring.

Nursing baby goats

is what gives the mommas worth,  
But sometimes something's wrong,  
when the momma goat gives birth.

One momma goat gave birth to three the other day,  
But she would not claim and nurse them,  
once born upon the hay.

Newborns need colostrum,  
and the better the faster,  
But this momma would not feed them.

We were headed for disaster.  
We gathered up the babies  
and took them to the house,

Where storebought colostrum powder  
was stirred up by my spouse.  
I was afraid that things  
would go from bad to worse,  
But eventually my wife  
got those little kids to nurse.

Now we have three bottle babies  
that our family's claimed as ours,  
Even though these hungry goats  
must be fed every few hours.

Taking that momma goat to market  
is probably the best,

Because she has failed the mothering ability test.

But her babies sure are cute,  
as they clamor for the bottle,  
And that nutritious milk replacer  
slides down their epiglottal.

So I sit back and I wonder, as I study this syndrome:  
How did I let our family house  
become a goat foster home?!

Happy Trails!

www.ronscowboypoetry.com  
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# Recognizing hoof issues in cattle

By Lisa Moser

Anyone who has ever walked barefoot through the yard can attest to how painful it is when the foot accidentally gets cut on a rock or stick. In much the same way, cattle crossing the rocky terrain of the Flint Hills can experience hoof issues from time to time.

Recognizing common hoof ailments and treatment protocols was the topic of discussion on a recent Kansas State University Beef Cattle Institute podcast.

Joining K-State veterinarians Bob Larson and Brad White was their colleague Matt Miesner, DVM, clinical professor and head of livestock services for the College of Veterinary Medicine.

"As veterinarians we see a lot of cases with feet. It is hard for cattle producers to treat that on the ranch because of the

labor and facilities needed to treat the problem," Larson said.

Miesner said at the K-State veterinary clinic it is common to evaluate cases of foot rot and toe abscesses.

"Basic foot rot is an infection between the toes that will cause a symmetrical swelling of the foot, whereas a toe abscess may not show any swelling, or if it does swell it will be on one side or the other," Miesner said.

To treat foot rot, Miesner said antibiotics are given and it typically clears up. However, that is not always the case with abscesses.

"With abscesses, there will be a sudden onset of severe lameness that may get better with antibiotics, but it wasn't the antibiotics that cleared it. Rather, it was the pressure release from the draining of the abscess under the

hoof," Miesner said. He added that unless treated with a thorough hoof cleaning, it may not be healed.

If it doesn't get better with the first round of treatment, Larson advised cattle producers to have the hoof evaluated by their veterinarian where the cattle can be lifted onto a turn table to take a closer look at the hoof.

Another less common foot ailment that appears in cattle is corkscrew claw, according to the veterinarians. This condition causes the animal's toe to turn in such a way that the outer hoof wall can come in direct contact with the ground because the toes turn inward. White said the toe looks like a corkscrew; hence, the name.

The veterinarians debated about the heritability of this ailment.

"There is no hard, objective data about the her-

itability, but once an animal expresses the condition, it will be chronic for that individual," Miesner said.

Larson added: "If there is a genetic component, it isn't a strong one or we would have found that out by now through research."

For cattle producers who have cattle with this condition, the choice is to cull the animal or manage the condition. Miesner said some his clients choose to manage it through regular hoof trimming of the affected animal.

No matter the ailment, Larson said, "Oftentimes one hoof problem can lead to other problems with the feet and legs, so it is important to consult with your veterinarian about the best way to manage it."

To hear more on this topic, listen to the full Cattle Chat podcast online.

# Fields & Ivy Brewery set to produce Kansas Lager

Fields & Ivy Brewery is set to brew up a batch of Kansas history. Kansas Lager, brewed with 100% barley malt grown in Kansas, will hit liquor store shelves in January 2021.

Kansas isn't typically known for being an early adopter of anything. One historical exception has been the prohibition of alcohol. Kansas banned alcohol in 1881 while the rest of the country went dry 39 years later in January of 1920. Early Kansas breweries and barley growers were basically out of business by 1890. Breweries came back in the late 1980s but barley farming and malting, for beer brewing, has not. It's believed that a lager beer brewed with 100% Kansas

grown barley malt has not been commercially bottled since 1890 or earlier.

Cory and Veronica Johnston are the founders of Fields & Ivy Brewery as well as a small local grain company called Great Plains Custom Grain. Together with their grain company business partner, Gary Van Horn, the Johnstons have been growing barley in Kansas since 2016. After five years of learning, they have achieved "malting quality" barley and sent 10,000 pounds of their barley to be contract malted out of state. Malting involves steeping and sprouting the barley kernels then kilning them to the desired color and flavor profile. Small-scale craft malt-

sters are popping up in the wake of the craft brewing and distilling industries.

Dan Chivetta, Fields & Ivy Brewery Head Brewer, used about 2,200 pounds of Kansas malt to brew 40 barrels (1,240 gallons) of a Vienna-style lager. Chivetta said, "Vienna Lager would have possibly been a style brewed by the last of the pre-prohibition Kansas brewers. We are hoping to brew this special beer to celebrate the return of local barley source beers to Kansas and to honor the history of brewing in our region."

Fields & Ivy Brewery will distribute Kansas Lager in 12-ounce bottles through their distribution partner Worldwide Wine and Spirits.

About Fields & Ivy

## Brewery

Fields & Ivy Brewery is a modern farm-to-table brewery and brew pub located in Lawrence. Founded in 2019, Fields & Ivy features a 20-barrel production brewhouse, spacious dining room, and beautiful beer garden. Certified Brew Master Dan Chivetta produces world-class beers with Authority of Flavor® using locally sourced grain, malt and hops. Their mostly from-scratch kitchen offers brick oven pizza, incredible starters, salads, and sandwiches.

Contact: Cory Johnston at 785-274-8467 or find them at <https://fieldsandivy.com/> <https://www.facebook.com/FieldsAndIvy/> <https://www.instagram.com/fieldsandivybrewery/>

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- 120 running age cows, 3-8years old, will start calving Feb 1st for 60 days
- 130 blk/bwf 3-5 year old cows bred to Angus bulls, start calving Feb 10th for 70 days
- 35 mixed 3-5 year old cows bred to Angus bulls, start calving mid-February for 75 days
- 15 mostly black 3-5 year old pairs, calves worked & tagged to cows
- 34 Red Angus bred heifers bred to Peiper Red Angus calving ease bulls, calve Feb 10th for 60 days
- 16 Angus cross 7plus year old cows bred to Hereford bulls, start calving Feb 1st
- 10 black running age pairs, calves sired by Angus bulls
- 80 black 5-6 year old FANCY cows bred to good Charolais bulls, start calving Feb 1st for 65 days cows weigh 1300.
- 120 black/bwf running age cows bred to black Gelbvieh bulls, start calving Feb 15th for 75 days \*\*\*\*\*

CHECK OUR WEBSITE AS WELL AS FACEBOOK FOR UPDATED LISTINGS!

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](http://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)

(316) 322-0675 (M)

Steven Hamlin

(602) 402-6008 (H)

(620) 222-1199 (M)

Van Schmidt, Fieldman

(620) 367-2331 (H)

(620) 345-6879 (M)

Cattle Sale Every Thursday 11:00 AM

**Central Livestock**  
811 N. Main St.  
South Hutchinson, Ks

[www.centrallivestockks.com](http://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

**Tues., Jan. 12<sup>th</sup> - Calf/Yearling Special**  
**Sat., Jan. 16<sup>th</sup> - Hog/Sheep/Goat Sale**  
**Tues., Jan. 26<sup>th</sup> - Holstein Special**

**VALENTINE LIVESTOCK AUCTION CO. Valentine, Neb.**  
THURSDAY, JANUARY 7, 2021  
Special Feeder Sale with Replacement Heifers  
S.T. 12:00 Noon Expecting 4000 hd

**Bred Heifers:**  
90 ..rd Ang hrs NI B.V. cake broke not topped Pieper & Grill.500-600#. Bart Uhlir  
90 ..Ang hrs NI B.V. 50 @ 675# Risse genes .....575-675#..... Kevin Vandermay  
100 Ang & blk not topped- Risse & Marcy genes.....600-725#..... Leo Goss  
110 Ang & blk hrs NI B.V. not topped.....550-650#.....Duane & Mark Sedlacek  
80 ..Ang B.V. A.I. on top 50 @ 675#.....575-660#..... Logterman Family  
80 ..blk & Ang NI B.V. 70 @ 625# PVA sired.....550-650#.....Williams & Martin  
148 blk (11 rwf) hrs NI approx. 50 @ 600#.....500-600#.....Manning Cattle Co  
70 ..Ang & blk NI Connealy, Diam Dot, Kraye.....550-625#..... Paul Vinton  
58 ..Ang NI hayfed .....600#..... Randy Preist  
35 ..Ang NI B.V. hand picked.....600#.....Risse Angus (Nic & Gina)  
50 ..Ang Littau genes not topped.....575-700#..... Gary Travnick  
41 ..bwf (F-1)(24) & heref (1) NI Van Newkirk genes...500-650#...Steve Schmit  
**Listings: All calves weaned over 60 days**  
160 Ang & blk str NI 1 ld @ 800# A.I. sired ...650-800#.....Shawn & Rod Klein  
150 blk, blk-x str NI two loads .....725-775#.....L&C Land & Cattle  
165 blk str Risse sired top of 300.....625-700#..... Vandermay Cattle & Grain  
180 blk str 1 ld @ 725# 1 ld @ 650#.....650-735#.....Williams & Martin  
250 Ang str NI SAV, Joseph, Baldrige genes deep, likeable- top of 460 hd.....  
.....600-735#..... Burdick Rn  
85 ..blk str top cut 1 ld A.I. Ang genes-Pilakowski....700#.....Jim Heath  
80 ..Ang str NI Feb born, lots of frame.....650-700#..... Logterman Family  
78 ..blk str grid & grade CAB- Connealy top of 400..675-700#...Sunny Slope Rn  
175 ..Ang str .....750#..... Rick O'Neill  
175 blk str NI 2 nice lds, disposition...600-650#..... Larry, Danny & Craig O'Kief  
200 Ang & blk str May/June born- top of 400 .....500-600#..... Jeff & Bo Johnson  
180 blk str NI hayfed 1 ld @ 650# 1 ld @ 575#..575-650#..Brad & Allison Pisha  
100 blk, bwf str NI top end of 350 .....575-625#..... Moore Ranch  
65 ..Ang str NI good hair, condition.....575-675#..... Randy Preist  
50 ..Ang str Littau genes .....575-700#..... Gary Travnick  
100 blk & Ang NI Connealy sired- breedable .....600-700#.....Leroy Morrison  
85 ..rd Ang (45s-40h) NI CRA Calvo sired- breedable.600-700#..JCR Red Angus  
80 ..Ang & blk NI B.V. Ang Link- Baldrige 625-700#..Morrison, Stevens & Clark  
40 ..blk (30s-10h) NI .....550-700#..... Chad Kaltenbach  
50 ..blk, rd & char-x NI .....400-600#..... Ganser & Hollenbeck  
57 ..blk NI no grain- hayfed Poss Ang sired .....800-900#..... Howard Schmidt  
40 ..blk str NI .....800#..... Kuxhaus Farm  
30 ..blk & rd yrlds NI .....700-900#..... H, C & B Heinert  
65 ..blk & rd (5) str HR NI fall born .....850-900#..... Jim Good  
90 ..rd Ang str NI non-weaned .....500-600#..... Gary Macleod  
**Plus more from French, Gumm, Metcalf, Duffield, Wright, Divan**

**View our special sales online @ [cattleusa.com](http://cattleusa.com)**  
**Office: 1-800-682-4874 or 402-376-3611**  
Greg Arendt, Mgr., C: 402-376-4701 Greg Nielsen, Fieldman, C: 402-389-0833  
Jake Hopwood, Fieldman, C: 308-627-4828  
For complete listing visit our website: [www.valentinelivestock.net](http://www.valentinelivestock.net)

**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 29, 2020  
NO SALE. Happy New Year!  
FOR FULL RESULTS, VISIT OUR WEBSITE:  
[WWW.HOLTONLIVESTOCK.COM](http://WWW.HOLTONLIVESTOCK.COM)

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](http://www.holtonlivestock.com)  
EMAIL: dan@holtonlivestock.com

View our auctions live at "Imauctions.com"



# Beef well-represented in dietary guidelines

USDA and the Department of Health and Human Services (HHS) released the 2020-2025 Dietary Guidelines for Americans (DGAs) recently. Updated every five years, DGAs serve as the foundation for federal nutrition programs and policies.

The guidelines recognized lean beef's role in a healthy lifestyle. For the first time ever, DGAs provided recommendations on birth to 24 months of life. Those recommendations suggest introducing nutrient-dense complementary foods to infants at about six months, including foods rich in iron and zinc, like beef. The guidelines further identified critical life stages and populations, such as pregnant women, babies and toddlers, teen girls and older adults, who are at risk of deficiency of many nutrients that are readily available in beef.

"Beef is one of Americans' favorite foods and science consistently shows lean beef can be the cornerstone in a variety of healthy diets," said NCBA president Marty Smith.

NCBA has been fully engaged throughout the entire DGA process. Specifically, over the past year-and-a-half, NCBA has submitted 21 sets of public comments and more than 100 research studies in support of beef's role in a healthy diet to the Dietary Guidelines for Americans Committee (DGAC). Additionally, on August 11, NCBA shared comments on the DGAC draft report, presenting information to USDA and HHS.

"U.S. cattle producers appreciate the work of the committee, USDA and HHS on their sole focus on nutrition and science-based research to put together a set of recommendations that will benefit all Americans," said Smith.

# Two Kansans reappointed to Cattlemen's Beef Board

USDA recently announced 28 new and reappointed members to serve on the Cattlemen's Beef Board (CBB). Two will continue to represent Kansas, including KLA president-elect Phil Perry of Oskaloosa, who serves on the CBB Executive Committee, and Trista Brown Priest from Satanta.

CBB consists of 99 total members, including domestic beef, dairy and veal producers, as well as importers of beef and beef products. Other Kansans serving on the board are Randall Debler of Alma, D.J. Edwards from Hamilton, Amy Langvardt of Alta Vista and Byron Lehman from Newton. Each Beef Board member is appointed by the U.S. Secretary of Agriculture from nominations submitted by certified nominating organizations, of which KLA is one. The nominating

organizations represent beef and dairy producers in each state or region. Forty-two states have individual members serving on the Board. The remaining states are divided into three regions. Importer appointments are drawn from nominations by importer associations.

CBB oversees collection of \$1-per-head on all cattle sold in the U.S. and \$1-per-head equivalent on imported cattle, beef and beef products. The board also is responsible for approving the annual budget for its national check-off-funded programs. For more information on CBB, go to [www.beefboard.org](http://www.beefboard.org).



## Yard & Garden Tips By Gregg Eyestone Gardening Information

The gardener is always evaluating the environment, looking at what is working and problem-solving issues. Even with the gardening season on hiatus, thinking about the garden does not end.

There are many resources to aid the gardener to be informed and successful. The Riley County, K-State Research and Extension website is a good place to start. Information on our soils, rainfall, good plants to grow and more is posted. Hot topics are posted at the top.

A weekly Facebook live post highlights a current gardening situation. This program year is focusing on good plants for our area to grow. When appropriate, a hot topic is identified. I hope you are a follower and will share these posts.

It is good to read about a plant that sounds interesting. A picture is even better to aid in determining whether to consider trying. Pinterest is a plat-

form that is good at sorting and hosting a picture. Check out the Riley County Extension Pinterest account.

One reliable form of providing information from Extension units is the newsletter. Today the form used is a bimonthly electronic newsletter. The second and fourth week of the month, the newsletter will appear in your email. Timely information on several important areas of interest will be included. Contact the office to be added to the list serve.

Many gardening programs are presented on the zoom platform these days. Previous programs are recorded and available. My "Planning Your Fruit Garden" is available upon request. The many

Extension gardening programs done this year statewide are available at the Kansas Garden Hour site.

My landscape is never quite the way I want it. Perhaps I spend too much time thinking about it. Seeking out new information and ideas is constant. Some of the best ideas can be found right around you. Let me know if you would like assistance with your gardening endeavors.

You can find out more information on this and other horticulture topics by going to the Riley County, K-State Research and Extension website at [www.riley.ksu.edu](http://www.riley.ksu.edu). Gregg may be contacted by calling 785-537-6350 or stopping by 110 Courthouse Plaza in Manhattan or e-mail: [geyestone@ksu.edu](mailto:geyestone@ksu.edu)

# Kansas hog inventory down six percent

Kansas inventory of all hogs and pigs on December 1, 2020, was 2.04 million head, according to the USDA's National Agricultural Statistics Service. This was down 6% from December 1, 2019, and down 2% from September 1, 2020.

Breeding hog inventory, at 170,000 head, was down 6% from December 1, 2019, and down 3% from last quarter. Market hog inventory, at 1.87 million head, was down 6% from last year, and down 2% from last quarter.

The September-November 2020 Kansas pig crop, at 910,000 head, was down 8% from 2019. Sows farrowed during the period totaled 85,000 head, down 8% from last year. The average pigs saved per litter was 10.70 for the September-November period, compared to 10.75 last year.

Kansas hog producers intend to farrow 84,000 sows during the December 2020-February 2021 quarter, down 3% from the actual farrowings during the same period a year ago. Intended farrowings for March-May 2021 are 84,000

sows, down 6% from the actual farrowings during the same period a year ago.

Access the national publication for this release at: <https://usda.library.cornell.edu/concern/publications/rj430453j>

Access the National Hog Executive Briefing at: [http://www.nass.usda.gov/Newsroom/Executive\\_Briefings/2020/12-23-2020.pdf](http://www.nass.usda.gov/Newsroom/Executive_Briefings/2020/12-23-2020.pdf)

Find agricultural statistics for your county, state, and the nation at [www.nass.usda.gov](http://www.nass.usda.gov)

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**ESTATE AUCTION FOR JR. ONWILER**

**SATURDAY, JANUARY 16, 2021 — 10:00 AM**  
AUCTION LOCATION: 627 Market Street — PORTIS, KS  
You may view the items the week of Jan. 11-16, 9-12 AM & 1-5 PM Daily!

**GUNS**

NOTE: JR was a Gunsmith and there are A LOT of parts & unique guns on this sale. Will start selling at 10 am. Partial listing:  
Winchester 870 Mag. 3"; Winchester Model 67; Winchester Model 74; Browning .22 short; Winchester 1890; Winchester Model 69; Winchester 1906; Winchester Model 68; J. Stevens Crack Shot; Fox 12 ga. SS; Winchester 370 12ga.; Parker Bros. 16 ga.; Winchester Model 94 Take Down Peep Site .32 WS SN 523160; Winchester 1885 Low wall 38-40; L C Smith 12 ga.; Sharpes 1874 50 cal.; Marlin 1881 38-55; Remington Model 48 12 ga.; Springfield Krag 1898 30-40 Krag; Winchester Mod 42 .410; Springfield Jr. Mod 50 & **MANY MORE ... See our Website!**

**GUN RELATED ITEMS, FISHING ITEMS, MISC. COLLECTIBLES, TOOLS**

Please go to our website For Full Listing! [www.woltersauctionandre.com](http://www.woltersauctionandre.com)

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By  
Auction

STARTING TIME  
10:30 AM

**Tuesdays**

**Buyers & sellers are welcome in the ring area with social distancing being practiced. You can watch the live auction at [www.dvauction.com](http://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](http://www.dvauction.com) prior to Tuesday.**

**We had a light run of cattle December 29 due to the icy weather. Steer and heifer calves were in good demand at steady prices. Feeder steers and heifers sold steady. Cows and bulls were \$2.00-3.00 lower.**

<b>STEER &amp; BULL CALVES</b>		2 blk hfrs	395 @ 150.00
2 blk str/bs	320 @ 183.00	1 blk hfr	500 @ 139.00
7 blk str	479 @ 180.00	2 blk hfrs	313 @ 135.00
4 blk str	490 @ 179.00		
2 bwf bulls	378 @ 179.00		
1 bwf str	490 @ 173.00		
1 blk str	435 @ 172.00		
1 blk str	530 @ 168.00		
1 sim str	350 @ 161.00		
<b>STOCKER &amp; FEEDER STEERS</b>			
1 blk str	585 @ 153.00		
8 blk/bwf str	608 @ 149.50		
2 blk str	595 @ 142.00		
4 blk str	610 @ 141.00		
60 mix str	959 @ 132.10		
2 bwf str	820 @ 130.00		
19 blk/bwf str	828 @ 130.00		
60 blk/red str	1003 @ 128.25		
4 blk str	816 @ 125.00		
1 blk hfr	505 @ 126.00		
<b>HEIFER CALVES</b>			
8 blk hfrs	468 @ 154.00		

1 bwf cow	1400 @ 49.50	<b>BRED COWS</b>	
1 blk cow	1070 @ 49.00	1 wf cow	@ 800.00
1 blk cow	1230 @ 48.50	1 wf cow	@ 775.00
1 blk cow	1280 @ 47.00	1 blk cow	@ 700.00
1 hol cow	1360 @ 45.50		
1 hol cow	1090 @ 45.00	<b>BULLS</b>	
1 blk cow	1165 @ 52.00	1 blk bull	1910 @ 83.50
		1 blk bull	1355 @ 74.00
		1 blk bull	1825 @ 73.50

**CONSIGNMENTS FOR JANUARY 5:**

- 35 blk str, 550-600 lbs., weaned, vaccinated
- 40 blk str & hfrs, 550-700 lbs., weaned, vacc.
- 90 blk str & hfrs, 500-600 lbs., weaned, vacc.
- 40 char str & hfrs, 800-900 lbs.
- 65 blk heifers, 800-825 lbs.
- 65 blk steers, 825-850 lbs.
- 62 blk char steers, 850-875 lbs.
- 60 blk steers, 900-925 lbs.
- 61 blk x-bred steers, 925-950 lbs.

**WATCH OUR AUCTIONS  
LIVE ON DVAuctions.com**

**SPECIAL STOCK COW SALE,  
THURSDAY, JANUARY 7 \* Starts 12:30:**

**Call To Consign Bred Cows Or Pairs To This Sale!**

- **HERD DISPERSAL - 204 blk cows bred to Angus bulls, to start calving Feb. 1, the following ages:**  
25 heifers bred to low birth weight bulls  
24 - 2nd calf heifers  
21 - 4 yr. 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
- (1) 22 month old purebred Angus bull AI sired by Musgrave Big River 996, 72 lbs birth weight, 825 weaning weight, trich and semem tested, no papers, raised by Dalton Hook  
4 Angus 1st calf hfrs, Dalebanks breeding, bred to Angus bulls, calve in Feb.

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to [www.grassandgrain.com](http://www.grassandgrain.com) & logging onto the online subscription

<small>FOR INFORMATION OR ESTIMATES:</small>			
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DENNIS REZAC	ST. MARYS, 785-437-6349	LYNN REZAC	ST. MARYS, 785-456-4943
DENNIS' CELL PHONE	785-456-4187	REX ARB	MELVERN, 785-224-6765
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