Grass & Grain, January 22, 2019

Yard & Garden Tips

By Gregg Eyestone

Starting Plants Indoors



Schwieterman Market Outlook

A marketing commentary by Bret Crotts

The grain markets had some ups and downs last week, but the overall pattern remained sideways. As usual, news about Chinese trade relations ebbed and flowed between good and bad, but we still have no confirmation of anything. There were rumors of Chinese purchases of wheat last week, and news that suggested the Chinese would go on a six-year buying spree to help reduce our trade deficit, but once again, we have no confirmation.

Other than the Chinese trade relations, the most interesting thing in the marketplace is the weather in South America, which continues to look less than ideal. It has become a given that Brazil will not produce a record soybean crop and corn production estimates have slipped as well. After that, the fresh news becomes sparse, and traders seem to simply be waiting for the government shutdown to end so we have some hard data to work with.

Live cattle futures saw another round of new contract highs last week, but as of early afternoon Friday, there was still no cash cattle trade to speak of. The feeder cattle futures are still in the doldrums and trading sideways, which the exception of the

January contract, which made multi-month lows. The weather has created a situation where producers want to sell feeder cattle to get them out of the muddy lots and feedlots don't want to buy cattle to put into muddy lots. The Feeder Index keeps slipping because there just isn't any enthusiasm at the sale barns. At some point we will see a significant turn in the live cattle versus feeder cattle spread, but we aren't there yet. When the weather straightens the feeders will be the upside leader.

The stock market has made a very good recovery and the Dow Jones is back above the 50-day moving average for the first time since early December. Stock traders get pushed around by the changing Chinese trade news as well, but for the most part, traders are optimistic again, and earnings numbers have been solid.

Schwieterman Marketing, L.L.C. specializes in risk management and cash grain and livestock marketing plans. For information on the markets or our marketing service you can contact Bret Crotts at 888-437-9131 or bret@swbell.net.

The information contained herein is based on data obtained from recognized statistical services and

other sources believed to be reliable. However, we have not verified such information and we do not make any representations as to the accuracy or completeness. Past results are not necessarily indicative of future results. All statements contained herein are current opinions, which are subject to change. The risk of loss in trading commodity future contracts is substantial. You should therefore carefully consider whether such trading is suitable for you in light of your financial condition. Neither the information, nor any opinion expressed shall be construed as an offer to buy or sell any futures or options on futures contracts.



Fresh produce at this time of the year is fun to eat. I'm harvesting a few cherry tomatoes and some other salad crops now. It is not a large amount of produce. I don't invest a large amount of time and resources for more production.

I will be giving presentations on growing plants indoors in January. The first one will be on Saturday, January 19 at 10 a.m. in Pottorf Hall. This is for youth that are interested in growing plants. Registration of \$5 for materials is require and sign up is on our website at www.riley. ksu.edu

A similar presentation

Flint Hills theater undergoes an upgrade this January

The Flint Hills Discovery Center (FHDC) Horizon Ranch Immersive Theater is getting an upgrade thanks to Marty Vanier and her generous donation to the FHDC Foundation at the end of 2018. The theater will be closed for renovation from Jan. 14-25.

These upgrades are made possible by a gift of \$417,950 made to the Flint Hills Discovery Center Foundation in December of 2018. The gift will be used to expand and enhance the projection system of the Horizon Ranch Immersive Experience Theater at the FHDC. The new projectors and state of the art technology upgrades will enable enhanced quality and diversity of films to be shown in the theater.

During this renovation time period, the FHDC will be offering reduced admission of \$7 for all adults and \$3 for all youth. No additional discounts will be applied (military, senior, educator, etc.). FHDC Members are always free.

For more information about the Flint Hills Discovery Center, visit www.flinthillsdiscovery.org/, call 785-587-2726 or visit 315 S. 3rd St. in Manhattan.





COMM.

will be hosted by Blueville Nursery at 4539 Anderson Avenue. This one is on the following Saturday, January 27 at 10 a.m. No registration is required. Blueville has the needed supplies for starting seeds. It will be time to start

some onions if you are wanting to grow them from seed. The cherry tomato is one I started a year ago for display at the Town Center Community Fair. This year, I have started another tomato and hope to have a container of stock blooming.

To start onions or any other plants from seed, they need the right temperature and supplemental light. Seeds sprout best with a warm growing media. Most plants will do well with 70 degrees. The warm temperature sprouts more seeds, provides even germination and the seeds sprout quicker. Once the seeds have sprouted, the onion plants grow best at a temperature around 65 degrees.

Extra light is needed to grow healthy plants at this time of the year. Fluorescent lights can be used.

They provide the correct wave length for the plants without becoming too hot. The bulbs are just barely above the plant leaves to maximize the light energy. I leave my fluorescent bulbs on constantly.

LED lights are another option. They provide more light energy to the plants and therefore, are suspended farther away from the plant leaves.

Lots of information is available to learn more. Attending one of my classes is a good option. A recent K-State Research and Extension Horticulture Newsletter addressed the subject. It is available online. Search KSU horticulture newsletter.

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. And you can contact Gregg Eyestone at the Riley County office of K-State Research and Extension at 110 Courthouse Plaza in Manhattan, by calling 785-537-6350 or e-mail: geyeston@ksu.edu

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AUCTIONS

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With a major w		· ·	Onaga	1 blk	1195@85.00	Alma	1 blk SS			COW/CAL		S
Friday evening	•		Muscotah	1 blk	1250@81.00		and 1 blk BN				AGE	
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day, January 1		· · · · · · · · · · · · · · · · · · ·	Manhattan	1 blk	1955@73.50			EBRED	Welda	5 bwf	5	@1675.00
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at steady price			Westmoreland	1 blk	1610@69.50	Florence	17 rd Ang2	7-8@1525.00	Goff	3 blk	5-8	@1400.00
STEER	S — 500-82		Cedar Point	1 blk	1480@68.50	Wakefield	1 Ang 3	7-8@1450.00	Randolph	1 blk	6	@1375.00
Elmdale	9 blk	500@172.00	Cedar Point	1 blk	1670@67.00	Florence	7 red Ang2	7-8@1425.00	Wamego	3 bwf	6	@1350.00
Elmdale	26 blk	575@168.00	Olsburg	1 blk	1420@67.00	Florence	8 red Ang2	7-8@1375.00	Wamego	2 Cross	-	@1300.00
Lancaster	5 blk	580@162.00	Westmoreland	1 blk	1610@65.00	Americus	5 blk 2	7-8@1350.00	Goff	4 blk	00	@1275.00
Tiburon, CA	5 blk	580@159.00	Tiburon, CA	1 bwf	1390@57.00	Americus	5 bwf 2	7-8@1335.00	Wamego	2 blk	6	@1175.00
Cedar Point	3 blk	635@152.00	Westmoreland	1 blk	1440@56.00	Americus	14 blk 2	7-8@1325.00	Welda	1 blk	00	@1125.00
Lancaster	16 blk	664@148.25	Cedar Point	1 blk	1085@55.00	Linwood	5 blk 2	5-6@1100.00				
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Tiburon, CA	11 blk	680@144.00	Tiburon, CA	1 blk	1225@50.00			IGNMEN				2013:
Frankfort	10 blk	699@140.00	Olsburg	1 Cross	1395@50.00			days, bunk broke			lbs.	
Lancaster	23 blk	772@135.25	Westmoreland	1 blk	1320@47.50		•	Is shots/ long we				
Elmdale	4 blk	767@135.00	Waterville	1 blk	1265@46.00			& hfrs (long wean				
Frankfort	4 blk	803@130.50	We had a shor	t run for our	special cow		•	& Hfrs (long-wear				
HEIFER CA	LVES — 45	0-550 LBS	sale held Wed	nesday, Janı	uary 16, with			d Simm strs (long		,		
Elmdale	20 blk	512@143.00	buyers being				•	m & (OCV) hfrs (le	-			700 lbs.
Lancaster	10 blk	543@138.00	weather. Follo	wing is a pai	rtial listing:	• 36 blk bw	f strs & hfrs (weaned 60 days/	2 rds shots) 550-700 li	bs.	
tiburon	8 blk	501@136.50	В	RED COWS	-	• 30 choice	blk strs (wea	aned/ shots) 700-7	750 lbs.			
Cedar Point	4 blk	468@130.00		AGE I		• 20 blk str	s & hfrs, long	weaned, 2 rds sh	ots, 750-85	0 lbs.		
HEIFER	S — 600-72	25 LBS	Randolph 1	blk 6	8 @1375.00	• 30 blk str	• 30 blk strs & hfrs, all natural, 500-800 lbs.					
Elmdale	27 blk	621@138.00	Allen 1	blk SS	7 @1100.00			ng weaned, 700-7				
Lancaster	18 blk	636@138.00	Allen 1	blk 2	8 @1000.00	• 18 blk str	s & hfrs, 3 rds	s shots, poured D	ec., long we	aned, 600-	-700 lbs.	
Tiburon, CA	17 blk	643@137.00	Allen 4	blk 7-8 6	6-7@1000.00			trs & hfrs, bunk bi				
Tiiburon, CA	10 blk	712@132.75	Wheaton 1	bwf 4	8 @985.00							
Lancaster	11 blk	700@130.75	Wetmore 1	Heref 2	3 @935.00	EARI	Y CON	SIGNMEN	TS FO	R FFR	1 -	2019
Frankfort	8 blk	662@129.25	Allen 1	blk 5	7 @925.00							
BULLS — 1,050-2,100 LBS		Green 1	blk 3	7 @850.00			ngus strs & OCV	replacemer	n quality h	115,1101	inpialits,	
Waterville	1 blk	1690@65.00		Heref 5	4 @835.00			ots, 550-800 lbs.	na	600 700 V		
Blaine	1 blk	2085@65.00	Wetmore 1	Heref 2	5 @825.00			rs, 2 rds shots, lo				
COWS & HEIFE	RETTES -	975-1,975 LBS	Manhattan 1	blk 6	5 @800.00			Complete herd di	•	isisting of	35 nom	e raised blk
Wetmore	9 Heref	989@110.00		Cross OO	5 @700.00	cows 2 yr	s+, bred Ang	us to start calving] ⊢eb. 10.			
-	-		3									

Upcoming Special Stock Cow & Bred Heifer Sale Dates • Wednesday's starting at 11:00 AM *2019:* February 20 • March 20 • April 10 • May 1

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Grass & Grain, January 22, 2019

Kansas Hay Market Report

Hay market trade activity is light to moderate. Prices remain steady and demand has been moderate, with an increase in out-of-state inquires. Hay supplies are getting tighter for alfalfa and grass but still an abundance of feed hay, if you can plow through the mud to get to it. If you have hay for sale, and/or need hay here in Kansas, use the services of the Internet Hay Exchange: www.hayexchange.com/ks.php

Southwest Kansas

Dairy alfalfa, grass hay, grinding alfalfa, ground/ delivered steady; movement slow. Alfalfa: horse, premium small squares 280.00-300.00. Alfalfa: Dairy 1.00-1.05/point RFV, Supreme 185.00-210.00, Premium 170.00-195.00, Good 160.00-170.00. Stock or Dry Cow 190.00-200.00. Fair/Good grinding alfalfa, 170.00-180.00 with an instance at 195.00-200.00. Ground and delivered locally to feedlots and dairies, 195.00-205.00 with an instance at 215.00-220.00; Bluestem, premium small squares 140.00-150.00; Sudan: large rounds 65.00-75.00; Cornstalks: Large rounds 50.00-60.00, ground and delivered 80.00-90.00; Wheat straw: large rounds 65.00-70.00. The week of 1/6-1/12, 7,068T of grinding alfalfa and 669T of dairy alfalfa were delivered. The average paid by feedlots on January 1 for alfalfa ground and delivered was 193.18, up 2.98 from last month, usage was 668T/day, up 6 pct., and total usage was 20,705.5T.

South Central Kansas

Dairy alfalfa, grass hay, grinding alfalfa, ground/delivered, alfalfa pellets steady; movement slow. Alfalfa: horse, small squares 200.00-210.00. Dairy, 1.00-1.05/point RFV, Supreme 185.00-210.00, Premium 170.00-195.00, Good 160.00-170.00. Stock cow, 170.00-180.00 delivered. Fair/Good grinding alfalfa, 150.00-160.00. Ground and delivered locally to feedlots 175.00-185.00 with an instance at 200.00; Alfalfa pellets: Sun cured 15 pct protein 210.00-220.00, 17 pct protein 210.00-225.00, Dehydrated 17 pct 245.00-255.00; Grass hay: Bluestem, small squares 8.00/bale, mid squares 110.00-120.00, large squares 130.00-140.00, large round 80.00-90.00. Brome, large squares



Kansas Soybean Yield Contest coordinator Doug Shoup, right, of Scranton, congratulates Greg Love of Love & Love Farms, Montezuma, on having 2018's highest yield. The conventional-tillage entry topped the statewide irrigated division with 104.14 bushels per acre – the contest's new record and only the second entry ever to document more than 100 bushels.



125.00-135.00, large round 85.00-95.00; Sudan: large rounds 75.00-85.00; Wheat Straw: large rounds 65.00-75.00. The week of 1/6-1/12, 4,638T of grinding alfalfa and 895T of dairy alfalfa were delivered. The average paid by feedlots on January 1 for alfalfa ground and delivered was 171.10, up 6.67 from last month, usage was 298T/day, up 25 pct., and total usage was 9,231.5T.

Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady; movement slow. Alfalfa: horse or goat. 220.00-245.00. Dairy 1.00-1.05/point RFV. Stock cow 180.00-190.00. Fair/Good grinding alfalfa, 165.00-175.00. Ground and delivered, none reported; Grass hay: Bluestem, premium small squares 135.00-145.00. Good, mid squares 125.00-135.00, large squares 110.00-120.00, large rounds 100.00-110.00 with an instance at 120.00. Brome, good. small squares 145.00-155.00, mid squares 140.00-150.00, large squares 120.00-130.00, large rounds 125.00-135.00; Sudan: large rounds 80.00-90.00; Oat hay, mid squares 150.00-160.00; Wheat Straw: mid and large squares 75.00-100.00. Mulch: large rounds 50.00-60.00. The week of 1/6-1/12, 1,506T of grass hay was delivered.

Northwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: Horse or goat, 220.00-230.00. Dairy, Premium/Supreme 1.00-1.05/point RFV. Stock cow, fair/good 160.00-165.00. Fair/good grinding alfalfa, 135.00-145.00. Ground and delivered locally to feedlots and dairies, 145.00-155.00; Alfalfa/oat mix, large rounds 100.00-120.00.

North Central-Northeast Kansas

Dairy alfalfa, grass hay grinding alfalfa and ground/ delivered steady; movement slow. Alfalfa: horse, premium small squares 9.00-10.00/bale. Dairy 1.00-1.05/point RFV, Supreme 185.00-200.00, Premium 170.00-195.00, Good 160.00-170.00. Stock Cow, 195.00-200.00. Fair/Good, grinding alfalfa, 140.00-150.00. Ground and delivered 170.00-180.00. Grass hay: Bluestem, small squares 7.50/ bale, large squares 110.00-120.00, large rounds 100.00-110.00. Brome, small squares 8.50/bale, mid to large squares 135.00-145.00, large rounds 110.00-120.00; Sudan: large rounds 80.00-90.00; Wheat Straw: small squares 6.00-7.00/bale, large squares 100.00-110.00, and large rounds 85.00-95.00. The week of 1/6-1/12, 709T of grinding alfalfa and 483T of dairy alfalfa were delivered.

***Prices are dollars per ton and FOB unless otherwise noted. Dairy alfalfa prices are for mid and large squares unless otherwise noted. Horse hay is in small squares unless otherwise noted. Prices are from the most recent sales.

*CWF Certified Weed Free

*RFV calculated using the Wis/Minn formula.

**TDN calculated using the Western formula. Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter (TDN showing both 100% & 90%). Guidelines are to be used with visual appearance and intent of sale (usage).

Source: Kansas Department of Agriculture - Manhattan, Kansas Kim Nettleton 785-564-6709. Posted to the Internet. www.ams.usda.gov/mnreports/DC_GR310.txt

charged faculty and staff

with finding ways to keep

the center open without

reversing the budget cuts.

ministration for rethink-

ing this decision," said

Jason Griffin, director of

the Pair Center. "We have

to give a big shout-out to

local- and national-level

industries that stepped

up to voice their concern

ernan were part of a task

force which was formed to

solicit and generate ideas

and then submit a detailed

plan to help the center be-

with a feasible, entrepre-

neurial plan that would

allow the center to keep

its doors open and con-

tinue research in order to

address the needs of the future," Boyer said. "Now

we need time to move for-

ward on these plans and

complete the tasks that

we have laid out for our-

tiatives factoring into the

Pair Center's new opera-

tional reality is industrial

sion the center becoming

the home base for indus-

trial hemp test crops in

Kansas, which would like-

ly result in grant funding

Certified plants and seed

could generate operating

revenue for the center.

with strict conditions.

K-State leaders envi-

hemp research.

Topping the list of ini-

selves.'

'We needed to come up

come self-sustaining.

New directions

Griffin, Boyer and McK-

about the decision."

"We appreciate the ad-

John C. Pair Horticulture Center to remain open other K-State leaders

The John C. Pair Horticulture Center in Haysville remains open for Extension outreach and research after being slated for closure.

After receiving feedback from stakeholders. a Kansas State University task force proposed a number of ideas to broaden and modify the scope of work, while simultaneously improving operational efficiencies at the center. One proposed change included making it Kansas' primary site for industrial hemp research.

"It's not one, two or even three things - it's several small steps that will lead to a new, sustainable future." said Chervl Bover. K-State associate professor and Extension specialist for nursery crops. "It's a lot of work, but we are up to the task."

Staff members are making plans for a field day and tour of the center on June 4.

"This will be the public's opportunity to experience first-hand the research being conducted at the Pair Center and see how it connects to our everyday lives," said Sedgwick County horticulture agent Matthew McKernan. "Whether you are pur-

chasing a bag of local grass seed or buying a new tree from a local garden center or nursery, it is the research conducted at the Pair Center that helps our local horticulture industry provide you with plants that are best adapted to our local growing

For now, seed buyers, nursery owners and fans of the Pair Center's nationally known organic sweet potato slips can count on service continuing and expanding.

Yet for those involved in efforts to keep the center open, the time for celebration still has not yet arrived.

"We've been given a Band-Aid for the short term," Boyer said. "But we still need to arrive at solutions for the medium- and long term."

The John C. Pair Horticultural Center opened in 1970 as the Kansas State University Horticulture Research Center with a focus on research and Extension activities related to woody ornamental crop production and utilization.

In addition to woody ornamentals, research crops at the center have included grapes, peaches, strawberries, asparagus, sweet potatoes, pumpkins and tomatoes. The center currently evaluates trees, shrubs, flowers, turfgrass and bulbs.

Tumultuous 2018

Last June. the College of Agriculture announced the center, as well as the Pecan Experimental Field, an 80-acre stand of native pecan trees in Chetopa, would be closed as a budget-cutting measure. Officials noted that difficult decisions had to be made due to reductions in base support from the state as well as recent enrollment declines that led to reduced tuition reve

After news of the closure decision spread in June, K-State president Richard Myers and Interim Dean of the College of Agriculture Ernie Minton were contacted by private citizens, members of the garden and nursery industry, political leaders, Extension Master Gardeners and others concerned about the loss of the Pair Center.

"I received lots of letters from businesses, and I appreciate that," Myers said in October.

"And who," he asked, "can articulate our need for research and Extension ... better than businesses that rely on research and Extension?'

McKernan said the groundswell of support shows the Pair Center's importance "not just to our local gardeners and garden centers, but its' impact on the horticulture industry across the United States.'

Responding to the public, Myers, Minton and

Nebraska Crop Management Conference planned for January 28-29 in Kearney Managing weed chal-Center, is available at yields.

https://agronomy.unl.edu/

NCMC. Registration is

\$165 for both days or \$95

fers unique opportunities

to learn about recent re-

search and new recom-

mendations to address

the current and develop-

ing challenges that crop

managers face in Nebras-

ka," Proctor said. "It also

offers opportunities for

attendees to talk with re-

searchers and crop and

agribusiness experts from

University of Nebraska-

Lincoln and universities

State University soybean

and small grain Extension

specialist, will address

variable rate seeding and

options for lowering soy-

bean seeding rates while

still achieving projected

in neighboring states.

Speakers are from the

Laura Lindsey, Ohio

across the state."

"The conference of-

for one day.

conditions," he said.

nue.

DEADLINES:

Seed & Chemical – Feb. 6th, before 12pm Farm Building – Feb. 20th, before 12pm Sheep & Goat – Feb. 27th, before 12pm Bring On Spring – March 6th, before 12pm Hay & Grazing - April 3rd, before 12pm

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lenges, integrating cover crops, and identifying and controlling new pest threats are among the featured topics at the Nebraska Crop Management Conference Jan. 28-29 in Kearney.

Geared to farmers and agribusiness professionals, the conference offers research-based, in-depth presentations on a variety of timely topics specific to Nebraska crop production, said Chris Proctor, conference coordinator and Extension weed science educator. There will be 24 presentations, with many offered more than once so that attendees can be sure to catch priority sessions. Nebraska Gov. Pete Ricketts will address the audience on the afternoon of Jan. 29.

Online registration for the conference, to be held at the Younes Conference



Association President Lucas Heinen congratulates Kole McCauley, Leona, who won the Kansas Soybean Value Contest. Also pictured are Alex Noll, Winchester, second place, and Robert Henry, Henry Farms, Hiawatha, third place.

Rhae Drijber, professor of agronomy and horticulture at Nebraska, will explore how intensifying or diversifying corn cropping systems affects the structure and function of the bacterial communities, with possible impacts on crop productivity.

Other topics include:

• "How Much Cover Crop Growth is Needed for Weed Control: A Review of Cover Crop Research in the Corn Belt"

• "Corn Growth and Development: Updating an Old Paradigm of Dry Matter and Nutrient Accumulation and Partitioning"

• "Using Cover Crops as a Tool for Managing Herbicide-Resistant Weeds"

• "Trends in Technology for Irrigation Scheduling"

• "How to Implement Sensor-Based In-Season N Management via Manure, Fertigation or Sidedress"

• "Critical Time for Weed Removal in Corn and Soybean as influenced by PRE Herbicides"

To view the full agenda for the conference, visit https://go.unl.edu/ncmc-agenda.

The conference also provides commercial and private pesticide license recertification, up to 12 Certified Crop Adviser credits for both days, and dicamba training.

For more information, visit https://agronomy.unl. edu/NCMC.

Whiteside, Seneca to host K-State Dairy Days

Hosted annually to update and inform dairy producers and allied industry on hot topics and findings from research projects relevant to the Kansas dairy industry, this year's Kansas Dairy Days will be hosted in Whiteside on Tuesday, Feb. 5, and Seneca Thursday, Feb. 7.

This event is a great opportunity to keep up-to-date on relevant and timely topics in the dairy industry," says Luis Mendonca, K-State dairy extension specialist. "Presenters will share take home messages about using beef semen in dairy operations, selecting a silage hybrid and improving gut health of cows in order to increase production. Additionally, speakers will give an update on research projects that were conducted last year at K-State, latest improvements in robotic milking and programs related to risk management."

Other key topics that will be discussed are:

Dr. Gene Boomer, DVM - "Managing 'Gut Health' for Healthier Cows and Higher Production'

Dr. Scott Dennis - "Should You Consider Fiber and Starch Digestibility When Selecting a Silage Hybrid?'

Dr. Mike Brouk - "Using Robots to Milk Cows"

Ms. Gretchen Raybuck, DFA Commodity Risk Management Analyst - "Risk Management Options for Dairy Producers"

Mr. Kevin Lager - "Dairy-Beef Crosses Increase Revenue"

The Kansas Dairy Commission is the lunch sponsor for both meetings and the Whiteside meeting will be hosted in conjunction with the Reno County DHIA Annual Meeting. Both days will begin at 9:45 a.m. and adjourn at 3 p.m.

People interested in attending are encouraged to pre-register. For the Seneca location call 785-336-2184 or e-mail jholthau@ksu.edu; Whiteside location call 620-662-2371 or e-mail darrenbusick@ksu.edu.

More information about K-State Dairy Days, including the schedule for both locations is available online at asi.ksu.edu. If you have questions, you can contact Mendonca at mendonca@ksu.edu or 785-532-2652.

Page 15 Traceability pilot project seeks additional cow-calf producers

More cow-calf producers are needed to participate in the CattleTrace pilot project. Organizers specifically need cow-calf producers who sell cattle at livestock auction markets or to feedvards participating in the project.

Auction markets taking part in the pilot program are Farmers and Ranchers Livestock of Salina, Fort Scott Livestock Market, LaCrosse Livestock Market, Manhattan Commission Company, Mankato Livestock, Russell Livestock and Winter Livestock at both Pratt and Dodge City.

Kansas feedyards collecting data for the project are Cow Camp Beef, Fairleigh Feed Yard, Finney County Feedyard, Green Plains Cattle Company, Heritage Beef, High Choice Feeders. Hv-Plains Feedyard, Innovative Livestock Services, Midwest Feeders, NA Timmerman, Poky Feeders and Pratt Feeders.

CattleTrace is an industry-driven effort to develop and evaluate a purpose-built infrastructure for an animal disease traceability system. It is a collaborative effort among KLA, the Kansas Department of Agriculture,

USDA, the Beef Cattle Institute at Kansas State University and private industry. Producers interested in participating should call Cassie Kniebel at (785) 564-7446 or email ckniebel@vet.k-state.edu.

Peterson Farm **Brothers Live program** rescheduled to March 22

Due to the predictions for inclement weather, the Peterson Farm Brothers Live program scheduled for Friday, January 18 was postponed to Friday, March 22. The program will be held at 7:30 p.m. at the C.L. Hoover Opera House. All tickets sold for the original date will be honored so can be used for the new date. All seats will remain General Admission.

Those still wanting to buy tickets can do so at the Dorothy Bramlage Public Library or Munson's Prime Restaurant. Individual tickets are \$40 each or \$25 each when purchased in combination with a \$25 gift card to Munson's Prime Restaurant. All proceeds from the ticket purchases will constitute a tax deductible donation to the Reimagining Your Public Library building campaign.

Those with questions regarding the program can contact Susan Moyer at the library, 785-238-4311 or susanm@jclib.org.

USDA robotics initiative funds research to reduce chemical application and advance crop production

Agricultural producers annually spray nearly \$15 billion worth of chemicals yet still lose 37 percent of crop yield to pest damage. As the industry moves to sustainably intensify production to feed a growing population, a high priority is to reduce farmers' costs by making fewer, more efficient chemical applications, and at the same time limiting impact on the environment.

This is the focus of research at Kansas State University recently funded by a five-year, \$882,920 grant from the U.S. Department of Agriculture under the National Robotics Initiative 2.0: Ubiquitous Collaborative Robots.

Ajay Sharda, assistant professor of biological and agricultural engineering in the Carl R. Ice College of Engineering, is principal investigator for the project titled "An autonomous insect Sense, Identify, and ManagePLatform, or SIMPL, to advance crop protection."

Co-principal investigators are Dan Flippo, assistant professor of biological and agricultural engineering, and Brian McCormick, associate professor of entomology.

The goal of the project is to develop a vision system to sense and identify presence of insects in order to conduct site-specific targeted chemical applications using autonomous robotic systems.

'This research will create a paradigm shift in sustainable crop production and provide new opportunities for using intelligent operating systems to improve pest control applications and reduce yield gaps," Sharda said.

The proposed computer vision approach to locate insect incidence and severity, as well as use of a decision tool to conduct directed spray employing an autonomous robotic system, he said, will be a fundamental change from existing techniques of agricultural chemical spray applications.

"Involving both graduate and undergraduate students in creating this platform to advance crop protection," Sharda said, "will help to make Kansas State University one of the top institutions engaged in the development of smart autonomous systems for agriculture.



Kansas Soybean Association President Lucas Hein en, Everest, congratulates Ryan Stewart, Washington, who won the North Central District's no-till dryland category. Also pictured are Lee Pifer, Washington, second place, and Curtis Kohman, Washing ton, third place.

Manhattan Farmers' Market Workshop scheduled for Feb. 15

The Kansas Department of Agriculture, K-State Research and Extension and the Kansas Department of Health and Environment will host a regional workshop in Manhattan on Friday, Feb. 15. at Pottorf Hall. This is one of six regional workshops which are being held this winter to assist farmers' market vendors and managers.

Kansas farmers' markets not only provide a fresh food source, but also stimulate the local economy. In 2018, 95 farmers' markets were registered with KDA's Central Registration of Farmers' Markets. "Farmers' markets provide growers a wonderful opportunity to have real interaction with consumers, and a chance to tell their farm's story," said Londa Nwadike, consumer food safety specialist with K-State Research and Extension and the University of Missouri. "It's also important for farmers to understand certain legal, safety and financial parameters before choosing to sell at a

weights and measures program will also offer free scale certification for attendees. Workshop topics will include:

Pest Control Methods, Cover Crops and Soil Health

Regulations for Selling Meat, Eggs and Poultry

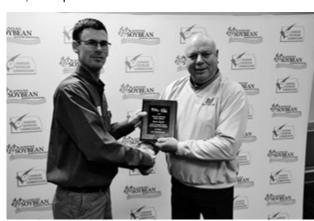
SNAP Program and Sales Tax for Vendors

Food Labeling Requirements

Kansas Senior Farm-

a.m. and conclude by 3:00 p.m. Registration for this workshop is now open and is \$20 per participant. Registration includes lunch: however, lunch will only be guaranteed to those participants who register by Feb. 7. Registration forms can be found at FromtheLandofKansas.com/FMWorkshop or at local extension offices.

For more informa-



The winner of the north-northeastern district conventional tillage, dryland competition in the Kansas Soybean Yield and Value contest was Jason Taylor of Highland with 92.31 bushels per acre.

UPCOMING AUCTIONS

farmers' market."

A keynote presentation will feature tips on marketing and making a profit, and a panel will provide information selling to institutions such as restaurants, groceries and schools. KDA's

ers' Market Nutrition Program Training

The workshop will be held at Pottorf Hall in CiCo Park, 1710 Avery Ave. in Manhattan, Onsite registration will open at 8:30 a.m. and the workshop will begin at 9:00

tion, visit Blattner at www.

event information or to se-

cure exhibit space, visit

and follow the 3i SHOW

on Facebook and Twitter,

or contact the Western

Kansas Manufacturers As-

sociation (WKMA) office

directly toll-free at 877-

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tion, contact Lexi Wright, KDA's From the Land of Kansas marketing coordinator, at 785-564-6755 Lexi.Wright@ks.gov. or Workshops are also being held in Olathe, Parsons, Dodge City, Wichita and Hays.

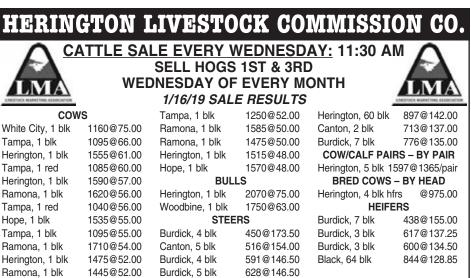
227-8082. WKMA's office is located at 1700 E. Wyatt Earp in Dodge City.

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- 63 mostly blk hfrs, pregged, open, 825 lbs.
- 60 strs, mix, 850 lbs.
- 120 mix strs, 875-900 lbs.
 - Our Consignments can now be viewed after 12 Noon on Mondays by going to www.grassandgrain.com & logging onto the online Subscription.

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· 63 blk blk nosed Char strs, home raised, long

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demonstrate chutes at 3i Show **Blattner to** complete product informaby 67' tall.

Blattner Feedlot Construction and Livestock Equipment is returning to the 65th Annual 3i SHOW March 21-23, 2019, with on-demand demonstrations. Blattner will be featuring their 110 and 220 Hydraulic Squeeze Chutes as well as "The Duke" Portable Wheel Corral in spaces I-373, 375 and 377 on the dirt side of the Western State Bank Expo Center in Dodge City.

"The Duke" Portable Wheel Corral features a large catch pen on one side and a "Bud Box," or smaller pen, on the other. A sheeted gate helps direct the flow of cattle down the alleyway, which has two four-foot cut gates and two palpation/access gates on the end. The heavy-duty framework makes for a durable and long-lasting corral with an adjustable hitch, a 2-5/16" ball mount, and one large cylinder on the front to raise and lower the frame.

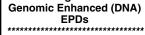
Blattner's chutes have a hydraulic head and tailgate with hydraulic squeeze. The chutes offer rubber flooring for increased traction and lasting durability, double side exits, adjustable pivot controls, partially sheeted access gates and removable access gates. The spring-loaded gate latches accommodate inside working dimensions of 90' long

Blattner Feedlot Construction & Livestock Equipment has been manufacturing quality commercial feedlots, gates and fencing supplies since 1978. The company began designing and manufacturing efficient, affordable, and safe livestock handling equipment in 1992 for the growers and producers of today's beef. For



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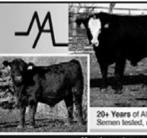


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MACHINERY

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1974 IH 1066 no cab 1988 JD 4650 Powershift 5800 hrs, 2wd 1961 JD 3010D WFE. Koyker K-5 loader Gehl 2500 skid loader, 48" bucket. 2014 JCB205 skid loader 2015 JD 323 E track skid loader, 140 hrs 2013 JCB260 skid loader 2008 JCB 536-60 Agra telehandler 2,800 hrs 2013 JD 323D track skid loader, 560 hrs HAY EQUIPMENT

2018 Vermeer BPX, 9010X bale processor New H&S AR 12 wheel carted rake

COMBINES

1986 Case IH 1063 cornhead with corn reel 2004 Case IH 2366 **AUGER & GRAIN CARTS** New Parker 839 grain cart Parker 510 grain cart, corner auger Ficklin CA9600 grain cart, 500 bu. MISCELLANEOUS

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pallet forks, kept shedded, used to groom horse arena. Stk#7163 \$19,900 New Idea 5409 disc Mower Cond., 9', kept shedded, good condition. Stk#1460 \$6,250 Sunflower 6631-29 VT tool. 14" Hydraulic rolling basket finisher, stk#5103.....New In Stock 2012 MF 978 mechanical self leveling ldr, w/ MF 7619 Dyna-6 mounting brackets, very good cond., single lever Hyd. coupler release, 95" grapple bucket w/ Silage screen. Stk#7151 consigned \$8,900 Kuhn Krause8005-30 Excelerator, 200 demo acres on machine, 22" 5MM 32 flute Excalibur blades, Hvd, adjust star wheel 24/7 HD reel w/flat spiral, guagewheels, adjustable gang angle. Stk#4953\$59,000 2000 New Idea 5209 Disc Mower Cond. 9', kept shedded, reconditioned bar. Stk#3573 \$6,900 2005 JD 6420 cab, PFA w/ JD 640 ldr. Clean tractor w/ 4,850hrs, shedded most of time. Stk#7090...... \$48,900 2007 ASV SR80 compact track ldr, 2,315 hrs, open cab, tracks good, stk#3067 \$26,000 2011 Terex PT100G forestry 1,150 hrs, stk#3067...\$49,900 2011 MF 8200-25 flex head, new SCH sickle last yr, guards good, kept shedded, needs few outer fingers on auger. Stk#1943 \$19,00

2001 JD 5140 w/541, 4,500 hrs,

PFA, diesel, ldr w/bucket &

2007 Challenger MT425B cab PFA, 1,600 hrs, power shuttle, 16x16 power shift, 3 remotes, 1000 RPM PTO shaft incl., 18.4x30 rear tires. Clean, good cond. Stk#6582...... \$34,900 2010 AGCO Hesston 9635, 2,035 eng. hrs, 1,400 header hrs. Trimble 750 auto steer, dbl. Windrow attach., very clean, well maintained. Stk#6950. AGCO Hesston 9190 Razor bar rotary disc header, Stk#6951 \$69,900 NH 616 Rotary disc mower, very clean, kept services, 7'-8" swath\$5,900 2015 MF 3710 spreader 175 bushel, lightly used. Stk#3480



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10 Case IH Farmall 105U, MFD, cab, ldr. 2800 hrs '08 Case IH Magnum 275, 3075 hrs

'05 Case IH MXU 125 MFD, cab. ldr '82 IH 5488

MISCELLANEOUS



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IRRIGATION



Uncomfortable Change

By Miranda Reiman WHAM! Tap-tap-tap.

Some changes are noisy... like the current remodel and addition to our 115-year-old house.

Anyone who has lived through construction dust knows the disruption.

The crew knocked out the wall between the living room and new, unfinished space just before Christmas. We ask the kids to wear shoes almost everywhere they go, and pray the baby isn't picking up too much extra hardware as she crawls along in the work-in-progress house.

To say it's a bit uncomfortable would probably be an understatement.

But isn't change that way a lot of the time? It's not always "in your face" like the nail gun I hear running next door to my home office, but sometimes just the idea of doing something out of our routine can be nerve-racking.

Are you contemplating a change in your farming or ranching operation? Maybe you're considering moving around your breeding season or thinking of how to set up so you can wean calves at home this year. Perhaps you're perusing bull sale catalogs right now, thinking of different thresholds for traits or looking at DNA testing to aid with replacement heifer selection. It feels a bit exciting,

but also daunting, doesn't it?

We have a "girls room" and a "boys room" in our house, which worked fine, until the scales were tipped unevenly at a ratio of five daughters to one son, and they're growing up. Their need for separate dressers and normal-sized beds are becoming more apparent each day. So life forced us to make some decisions. We got out a calculator. We analyzed our income, probability of moving, places to make room and what we could purge.

Grass & Grain, January 22, 2019

In the end, we decided to add on. It was the right decision and all the data and options weighed pointed us that way, but when they came to dig our basement we still felt a bit uncertain.

We wanted to be sure we were making the right choice, both for our family and for our pocketbook.

Have you put a pencil to your ideas? Talked to some experts or other cattlemen who have already been down that path?

Don't let the unknown paralyze you. Think about the end goal and why you're inspired to do something different in the first place.

Maybe you're looking to recoup some investment or perhaps just trying to make specific points in the calendar flow a little more smoothly. Maybe you hear about these loads that are reaching 50% Prime and thinking, "I want my cattle to do that."

The only way toward accomplishing an audacious goal is to take the first step. Make a change, even if it's uncomfortable at first.

Over the "rrrr-rip" of the Sawzall, I'll be cheering you on.

Next time in Black Ink®, Nicole Erceg will provide perspective on priorities. Questions? Email mreiman@certified angus beef.com

New KUHN Krause Dominator® 4856 enhances your primary tillage

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innovative features on the

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nator® 4856. The new disc

conditioner produces con-

sistent soil leveling, clod

sizing and uniform residue

incorporation resulting in

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Kuhn North America, Inc., is pleased to introduce the new Dominator® 4856 combination primary tillage system boasting product features designed to provide optimal compaction removal and residue handling, while reducing maintenance time.

A newly designed "re-

sistency. New optional SOYBEAN YBEAN SOTEEAN

Soybean Associaton president Lucas Heinen, left,

hydraulically controlled 24/7® reel conditioners are available with a choice of round or flat bar designs. The Dominator 4856 maintains a proven dual rank 18" shank spacing that delivers maximum subsoil fracture, providing the optimal environment for moisture retention, plant root growth and nutrient availability. Double K^{TM} 7" wing ripper points are standard equipment and have proven to increase point wear life over "willfit" designs. Key bearings and components incorporated into the Dominator 4856 feature no daily grease maintenance. This added feature reduces the required daily lubrication service time, placing you in the field sooner and increasing operator productivity. Available in 7-, 9-, 11- and 13-shank con-

figurations, the Dominator 4856 continues the proven Kuhn Krause process of (1) consistent residue sizing, (2) aggressively managing subsoil compaction, (3) leveling the tilled soil while incorporating heavy residue with (4) final clod sizing and firming of the seedbed surface. The Dominator 4856 addresses deep subsoil compaction like no other product on the market today.

Page 19

18 Case IH 2150 planter 16/30

2- 2012 Case IH 1250 planter, 16x30

'06 Case IH 1200 PT 12/30 planter

Case IH 1200 planter 6/30, liquid fertilizer

14 Case IH 5130 Combine. 4wd 775 engine hrs, 518 sep. hrs

11 Case IH 3406 corn head w/ trailer

10 Case IH 2020 flexhead 30' w/ air reel

05 Killbros 1170 grain cart '89 Case IH 1063 corn head 14 Case IH WD1203 SP

windrower, 14' hd, 380 hrs '09 Case IH RB564, 3,600

bales Vermeer 604M

12 Case IH 1250 16x30 w/ liquid fertilizer

'02 Ċase IH 4300, FC 27'

GP Turbo-Till 3000 JD 8' wheel disk

'96 Sunflower 1232-29 disk '07 Case IH 340 25' disk Sunflower 4212-11 disk chisel

2- Case IH 6500 conser till, 14

'89 Case IH 1020 25 IH 863 cornhead JD Frontier RC2084 rotary cutter NH 1465 MoCo, 9' '08 Cub Cadet GT 2554

garden tractor **NEW EQUIPMENT**

Farmall 30C w/ loader Farmall 35A w/ loader Farmall 100C, MFD, ldr Maxxum 125 Magnum 280 Case IH 335 Turbo 28' Several Bush Hog rotary mowers and tillers Bush Hog 2402 posthole digger Complete line Bush Hog zero turn mowers

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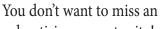
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Research and Extension EXTENSION AGENT, 4-H Youth development opportunity in Pottawatomie County. Office located in Westmoreland, KS. See www.ksre.ksu.edu/jobs for esponsibilities, qualifications and application procedure.

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Everest, congratulates Brandon Vering, representing Vering Land & Pork, which won the Northeast District's no-till, dryland category. Also pictured is Terry Strube, Horton, second place.



Rod Stewart, Washington, won the North Central District's conventional-tillage, dryland category in the Soybean Association Yield and Value contest. He is shown with Soybean Association president Lucas Heinen, Everest.



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		BEEF	Ma	rket Report	for 1-17-2019.
300-400#		\$180.00-\$177.0	0	1,650 HEA	ח והא חי
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800-900#		\$134.75-\$117.0	0		
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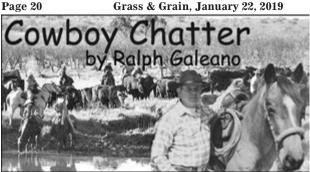
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Grass & Grain, January 22, 2019



When a Horse Bluffs

You might think a horse isn't smart enough to play poker. If they are smart enough to try and bluff you, they may have what it takes to beat you at poker.

I've been witness and participant to some pretty clever maneuvers perpetrated by horses that are trying to receive preferential treatment or an easier job for the day. They simply know there's hard work ahead and will try anything to convince you to pick somebody else for the job.

They figure out you've got something in store for them that is detrimental to their idea of a leisurely day loafing in the pasture snipping shoots of sweet spring grass. It occurs to them that if you thought they weren't having a good day or maybe, they had some kind of ailment, you might leave them at home or use another horse for the dirty work. That's not

farfetched. I've seen it happen a few times with conniving cayuses.

Some of the connivers use the old method of playing hard to catch when they think you have a nasty job in store for them. They'll stay just out of reach when you get near with a halter in your hand and when you think the horse is going to allow you to catch them, they side-step and make haste for the other end of the pasture. They aren't the smart ones because you become aggravated and will probably not treat them too kindly when you are finally able to get a halter on them.

A pretty sorrel mare with Peppy San Badger bloodlines is one of our top cow horses. She's also got a good handle and is a splendid mount when you have to work cattle. We call her Kitty and she is one of the fastest horses on the place. In short, she's just

a pleasure to ride. That is, unless she thinks she can get away with something.

One fall day, I loaned her to a friend to ride in our arena. I wanted to show the lady what it feels like to ride a well-trained horse. My intention was for the lady to see how a good horse responds to a soft touch with the reins or subtle leg pressure. Kitty was the perfect horse for this since she responds very well to the softest cues.

Kitty also responds differently when she realizes that the rider on her back doesn't understand how a horse would like to be treated. She must interpret rough handling as an insult to her ability.

Well, the lady was a good rider but really didn't have much training in the finer aspects of reining. Kitty immediately took affront to her callous jerking of the reins and hard pokes in the ribs

After warming Kitty up, the rider tried to lope her off in the left lead. The horse would not lope off in any lead. Instead, as soon as the lady cued her to lope on the left lead, Kitty trotted hard left in a short circle. When, after a struggle, Kitty loped away, she headed straight for some low branches that hang over the arena and no amount of heavy handed

GRASS

coaxing on the rider's part could change her course. She loped right under the branches, swatting the rider in the face and knocking her hat off.

That horse was bluffing. She knew what the rider wanted but simply didn't like the way she was giving the orders. Things deteriorated even more. I was embarrassed that she was acting that way when I had extolled her great ability to this rider.

Kitty was downright belligerent. I presumed she was never going to cooperate until she was shown a little respect, so I intervened and began demonstrating the correct way to ask a horse for movement.

Realizing that things weren't going so well with her methods, the rider listened attentively and began giving cues that were more in line with what the mare was used to. Soon she was responding well and executing maneuvers with an easy touch. The lady never knew that the mare had used a bluff to teach her the finer things about riding a good reining horse.

One of the most outrageous bluffs by a horse that I was witness to occurred nearly forty years ago in a very remote mountain valley in Alaska. Two friends and I had trailed nearly thirty miles into the wilderness of the Kenai Mountains riding three saddle horses and leading four pack horses. Earlier, I had spotted some trophy Dall sheep rams from my airplane near the headwaters of Fox River and we were going in to set up camp and hunt.

It took three days to get in the Valley below the high peaks that were home to the sheep. We arrived in the valley in weather that would have made a hurricane seem like an afternoon breeze. Wet, cold and hungry, we set up camp and waited out the storm. The next day dawned

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CALL KEY FEEDS TODAY 1-800-432-7423 OFFICE clear and we could see the tops of the mountains. We scoured the peaks with binoculars but saw no sign of the sheep. Undaunted, we prepared to climb toward the area where I had seen the sheep from the air. The next day found us toiling up the slopes in hunt of those trophy rams. They were nowhere to be found. They had left the area during the storm. We searched every watershed coming from those high mountains for several days but never saw the animals.

Back in the valley in our base camp, we decided to give up the hunt for the sheep and instead shoot a two-year-old moose for meat and head home. There were lots of moose in the valley and shooting a meat bull was no problem.

The next morning, I shot a young bull near camp. We butchered him into quarters and separated the rib cages to make better loads and left the meat hanging overnight to cool. We planned on breaking camp the next morning and packing the meat and our camp on the four pack horses for the long trip out of the mountains.

Early the next morning we loaded the horses and prepared to cross the river near where we were camped. I had loaded one of my horses with the hindquarters of the moose. His load was a little over 200 pounds. The horse's name was Cody and he wasn't one of my favorite horses. Cody was a stout, grade horse and could pack the most weight so he had the heaviest load. Dead weight on a pack horse is a lot harder to handle than the same weight of a rider. A rider moves with the horse and balances his weight with each stride making it easier on the horse.

Well, Cody struggled a little crossing the river and the spider web of tributaries coming off the glacier at the head of the valley but he made it across okay. We entered the deep woods that would lead us up and out of the valley and along the steep slopes of the mountains. About a half mile into the woods, I kept noticing that Cody was pulling back on his lead rope causing no little amount of grief to me and my saddle horse. The tugging got worse and I wondered if there was something wrong with him or his load. I kept looking back every time he jerked the lead rope but could see nothing wrong.

Finally, I called ahead to my buddies up the trail and told them to hold up, we might have a problem. They tied their horses and came back to where I was inspecting Cody and his load. I could see nothing wrong. While we were discussing what could possibly be the problem, Cody stretched out his legs like he was going to urinate but instead, he began rocking back and forth on his outstretched legs and started moaning. It was a deep, haunting moan like someone would make when they were dying or in deep agony.

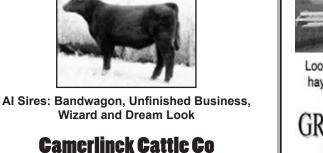
It was troubling and, quite frankly, scary. Was the horse dying? Had he got into some poisonous weed where we had staked him out back at camp? We didn't know what happened to him or what was wrong but he kept moaning and rocking to-and-fro as if he was going to collapse. We decided to unload his packs and look his back over. The minute the packs came off, that horse stood up straight and stopped moaning. He looked around and then lowered his head and began searching for a few sprigs of grass on the side of the trail. I led him around in a circle and he seemed fine. No more moaning and he walked in a perfect circle and showed no sign of discomfort.

"He's bluffing," someone said; "He doesn't want to carry the load on the long trail home."

We put the blankets, sawbuck and rigging back on his back and loaded the panniers with the two moose quarters on the sawbuck pack saddle. He began moaning and rocking to and fro again.

I picked up a stout branch on the side of the trail and went to work on his rear end. I gave him a good whipping until he stopped his charade. When he quit the monkey-business, I blistered his ears and told him he was a disgrace to all the good horses in the world and threw in a few other choice, mortifying insults. I'm sure he understood every word I said. He didn't take any offense to the purple tongue-lashing and carried the load for the next twenty-five miles without once pulling back on the lead rope. That was one horse bluff that didn't work.

Contact Ralph Galeano at horseman@horsemanspress.com or www.horsemanspress.com



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7 blk578@135.00 11 blk597@134.50		
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6 bkbwf660@155.00 THANK YOU FOR ALL OF YO YOUR BUSINESS IS AL		
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To see more consignments	go to: em	porialivestock.com

New app connects beekeepers and growers

Pollination Network, a mobile app that helps local farmers and growers find bees and beekeepers, launched this week in the Apple App Store and Google Play Store. The app helps beekeepers to find jobs with nearby growers, and it allows growers to post public listings and hire beekeepers within the app

"It's become more and more difficult for growers to find bees over the years," said Brandon Bouye, owner and founder of the app. "But it's been just as hard for beekeepers to keep their hives growing and their businesses afloat. We wanted to change that."

When beekeepers download the app, they will have access to a map featuring job listings from growers across the country who need bees. They can filter by location, expected price rate, and quality of bees, and apply for jobs straight from the app.

Growers will be able to post listings from their smartphones, customizing each job listing to their specific needs. Then, employees at the Network Pollination headquarters will manage the listings and notify growers when a suitable beekeeper is found.

"Strengthening the

grower-beekeeper relationship doesn't just improve a tiny corner of the economy," Bouye said. "It protects the environment, and it puts food on the table for people across the country."

The Pollination Network app can be downloaded for free in the Apple App Store and Google Play. For more detailed information, visit https://www.pollinationnetwork.com/.



Bob Timmons, representing Timmons Bros. Farms Fredonia, won the Southeast District's conventional-tillage, dryland category in the Soybean Association Yield and Value contest.



Soybean Associaton president Lucas Heinen congratulates Vanetta Geiger, representing Matt Geiger, Denton, who won the Northeast District's conventional-tillage, dryland category. Also pictured are Kenny Wilson, Horton, second place, and Alex Noll, Winchester, third place.



Association President Lucas Heinen (left), Everest, congratulates Robert Henry, representing Henry Farms Inc., Robinson, which won the North-Northeast District's no-till, dryland category in the 2018 Kansas Soybean yield contest with 79.10 bushels per acre and also placed third in the Kansas Soybean Value contest with 95.2 cents per bushel (11.1 percent) of increased value.



Association President Lucas Heinen congratulates Kent Grimm, Morrill, who placed second in the statewide no-till, irrigated category. Also pictured is Dave Olson, Hiawatha, third place.



Heinen congratulates Bradley McVey, Fredonia, who won the Southeast District's no-till, dryland category.





Winning third place in the statewide conventional till, irrigated in the Kansas Soybean Yield and Quality contest was Ellis Farms, Norton.



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- 28 -Black -BWF Cows, 4-8 yrs old with fall calves
- 40 Black-Char-Red Cows, 6-9 yrs old, spring calvers
- 20 Black Red-Yellow Cows, 2-3 yrs old, 3rd period
- 25 Mixed Cows, 4-8 yrs., 2nd & 3rd periods 30 Black & Red Limi Cows, 6-9 yrs., spring calvers
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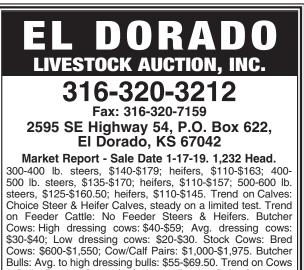
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VIEW <u>FU</u>		S ON OUR W	EBSITE.
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11 blk strs	490@170.50	2 blk red hfrs	377@152.00
6 blk red strs	404@167.50	5 blk bwf hfrs	457@149.50
23 blk strs	619@164.75	3 blk hfrs	341@147.50
10 blk strs	599@164.50	11 blk hfrs	471@141.50
10 blk strs	601@163.00	8 blk hfrs 49 blk hfrs	531@140.50 570@138.50
25 blk strs 10 blk strs	568@163.00 649@154.00	22 blk hfrs	631@137.00
17 blk bwf strs	664@153.00	12 blk hfrs	664@136.00
12 mix strs	587@152.00	13 blk hfrs	670@136.00
22 blk bwf strs	700@149.85	20 blk hfrs	627@135.00
15 red blk strs	700@147.50	10 blk bwf hfrs	653@134.75
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10 blk strs	725@146.50	18 blk bwf hfrs	
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	747@140.00	22 mix hfrs	692@129.50
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	824@137.50	14 blk bwf hfrs	
9 blk red strs			
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(Send us pictures & videos to advertise in advance) 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! On Thursday, January 17, we had 550 head of cattle on a lower but active market. 4 bwfrbf 754@136.75 STEERS HEIFERS 7 bkred 482@150.00 3 blk 512@170.00 12 blk 800@135.75 479@170.00 6 blk 8 mix 766@135.50 11 bkbwf 563@149.50 9 bkChr 609@153.00 4 blk 724@134.00 3 bkbwf 537@146.50 3 bkbwf 590@150.00 65 bkred 877@134.00 4 blk 511@141.00 8 bkred 546@135.00 7 blk 661@143.00 37 bkbwf 761@133.00 9 GelvX 708@139.25 24 mix 866@132.00 6 blk 715@130.00 10 bkbwf 877@130.50 16 bkbwf 694@139.00 3 blk 705@128.00 6 bkbwf 664@138.00 8 bkbwf 846@130.00 5 blk 993@120.00 Butcher Cows: \$33-\$62, mostly \$47-\$60; steady \$2 lower. Butcher Bulls: \$65-\$77, mostly \$68-\$75; steady \$2 higher. PREG COWS: \$400-\$1,025. **BUTCHER COWS** 2 bkbwf 1370@53.00 4 bkbwf 1611@62.00 2 blk 1403@53.00 BUTCHER BULLS 1935@62.00 1 blk 1615@61.00 2 blk 1 SpotX 1925@77.00 2 blk 1628@59.00 1 blk 1980@75.00 2190@73.75 4 blk 1581@58.25 1 blk 2 blk 1330@56.50 1 SpotX 1650@73.50 1468@54.50 2045@71.00 4 Char 1 blk 2 blk 1305@53.50 1 Char 1950@68.00 **EARLY CONSIGNMENTS FOR JANUARY 24** 250 bk bwf rbf strs, 600-800 lbs, longtime weaned & double vac. home raised. 70 blk red strs & hfrs, 500-700 lbs, long time weaned & double vac. 45 blk bwf rbf strs & hfrs, 450-600 lbs, long time weaned & double vac. 52 fancy red Angus strs & hfrs, 500-750 lbs, long time weaned & double vac. 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 Fri., Feb. 1st - Draft Horse & Mule Sale Sat., Feb. 2nd - Horse & Tack Sale Tues., Feb. 12th - Calf/Yearling Special Sat., Feb. 16th- Hog/Sheep/Goat Sale



EARLY CONSIGNMENTS FOR THURSDAY, JANUARY 24, **SPECIAL STOCKER & FEEDER SALE:**

& Bulls: Butcher Cows, \$2-\$3 lower; Butcher Bulls, \$3 lower.

- EXPECTING 1,250-1,500 HEAD! . 60 mostly red & black steers, weaned 90 days
- 67 black steers, weaned
- 89 blk steers & heifers, dry winter, long weaned, 625-675 lbs.
- 13 steers & heifers, 625-675 lbs.
- 100 blk/Char steers & heifers, weaned, 550-750 lbs.

We welcome your consignments! If you have cattle to consign or would like additional information, please call the office at 316-320-3212

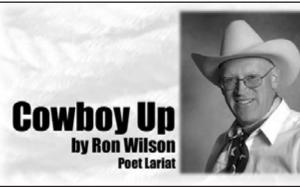
Check our website for updated consignments: www.eldoradolivestock.com

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(620) 394-3273 (H)	(620) 367-2331 (H)
(620) 229-0076 (M)	(620) 345-6879 (M)

Cattle Sale Every Thursday 11:00 AM

Grass & Grain, January 22, 2019



Kitty Come Home

"...and I'm against cats in the house..." goes a line from a Hank Williams Jr. country song. I agree with Bocephus on this point. I'm opposed to having cats inside the house, but I lost this battle a long time ago.

When I was a kid, the only animal allowed inside the house would have been a newborn calf in freezing weather. Somehow, things have changed (The women in my house have ganged up on me in regard to this point which meant I never had

Grass & Grain

WEDNESDAY

Partly Cloudy High: 32 Low: 22

THURSDAY

Mostly Cloudy High: 35 Low: 25

FRIDAY

Seven Day Forecast

SIL

a chance).

Years ago, my daughter (now the veterinarian, appropriately) rescued a cat that supposedly HAD to be an inside cat. That cat still lives inside our house.

Then one day our younger daughter was in the backyard and heard an incessant meowing underneath the garden shed. It was an orphan kitten. The mother had been run over by a delivery truck. Just like her older sister, our daughter had to rescue the kitten and take it

Weather Report

Today we wi of 32°, humi wind 7 mph.

Date 1/11

In-Depth Local Forecast

60° set in 2004. Expect mostly cloudy skies tonight, overnight low of 22°. Southwest wind 7 mph. The wind chill for tonight could reach 14°.

Last Week's Almanac

HI/Lo 40/34

we will see partly cloudy skies, high , humidity of 58%. South southwest

The record high for today is

Normals 40/16

Precip 0.38"

inside. Given the sad circumstances, I couldn't say no.

When our daughter was in vet school, she ended up with a really sweet rescue cat. When the cat had kittens and our daughter happened to be moving, somehow Mom and Dad ended up with two of them inside our house.

I will grant that these were two really nice cats. They were friendly and loving. They were colored black and white and kind of looked like Holsteins to me. One was named Spots and the other was named Socks (I could never tell them apart).

One day in early fall 2018, Spots couldn't be found. The kids looked all over, but there was no Spots. I found no sign of him outside either. Out at our ranch, there are no other houses close by where he might have gone.

These were always inside cats. They almost never ventured outside. They would have no sur-

Washington

33/24

33/23

0

0

Clay Center

2 AN

vival skills. We have lots of coyotes around. I figured Spots was a goner.

A couple of months later, I went into the garage to get a tool and heard some incessant meowing again. I followed the sound and there was a black-andwhite cat. Could it be?

I gathered up this cat. It was skin and bones. I took it into the house and my daughter's eyes got big. "Spots!" she cried. She came running and took the cat. She and her mother cared for it. They took the cat to the vet where it got medicine and fluid. Other than a significant loss of weight and a small wound on its tail, the cat was fine.

By my wife's calculations, the cat was missing for exactly 65 days. Where in the world did it go? How in the world did it get back? Did it go to a neighbor's house? Did it hitch a ride in some vehicle by mistake? How did it survive? It is all a mystery and Spots isn't talking. I don't suppose we will ever

Jan. 23, 2019

0

27/18

2455

Wamego

Today's Local Outlook

30/20

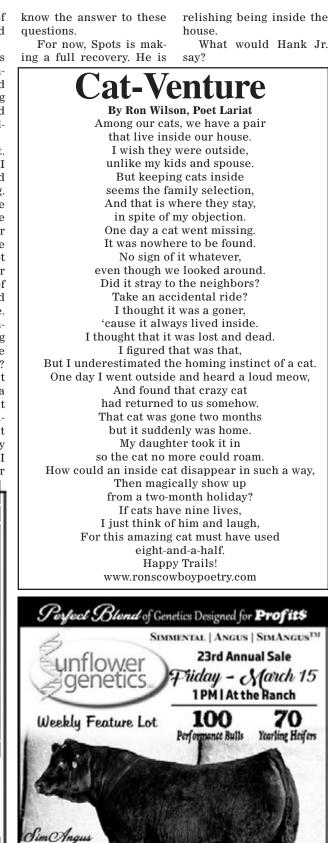
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243

Mahattan

Blue Rapids

relishing being inside the house.



WW

- 675

Out of a 1st calf heifer!!

Beef Genetics Spring Bull Sale

Saturday, March 30, 2019

60 Black Angus

40 Charolais

At the ranch in Randolph, Kansas

Calving Ease...Performance...Real World



4.5" x 16" #AMX5503 Toll Free:	9 #/	3" x 16" AMX555041 0337 • W	\$2759 #AMN283804 www.Abiler	neMachine	\$30 ⁰⁰ .com • S	See Us on F	Facebook		For more informal Galen: 785-532-9 Email: finkbull1@twinv finkbeefgenetics.	936 alley.net
S	el Sell Or Buy	l Cat	A ttle	By Auction		STARTING T 10:30 AM		Tue	Mar	ys
kets were low on kind offere lower. Cows a	ver. Steer and h ed. Feeder stee and bulls were \$ JLL CALVES	neifer calves we rs and heifers 523.00 lower. 113 blk/bwf strs	eather, the mar- ere \$5.00 lower sold \$2.00-5.00 900 @ 144.35 742 @ 143.00 760 @ 142.25 840 @ 142.25 786 @ 142.00	6 blk hfrs 7 blk/bwf hfrs 1 blk hfr 1 bwf hfr 4 blk/bwf hfrs 3 blk hfrs STOCKER & FE 5 blk hfrs 5 blk hfrs	410 @ 141.00 495 @ 140.50 325 @ 140.00 310 @ 139.00 519 @ 138.00 528 @ 137.00 EDER HEIFERS 589 @ 141.00 612 @ 140.00	6 blk hfrs 4 blk hfrs 11 blk hfrs 6 blk/red hfrs 7 blk/bwf hfrs 9 blk/red hfrs 12 blk/char hfrs 26 blk/chr hfrs COWS & HE	728 @ 132.50 765 @ 132.00 877 @ 131.50 709 @ 130.00 759 @ 130.00 745 @ 127.50 984 @ 115.00	1 blk cow 1 blk cow 2 blk cows 1 blk cow 1 blk cow 1 blk cow 1 blk cow 1 blk cow	1195 @ 45.50 1 bwf cow 1185 @ 45.00 1 blk cow 1335 @ 44.50 1 blk cow 1165 @ 44.00 1175 @ 43.50 1175 @ 43.00 1 blk bull 1190 @ 42.50 1 blk bull 1190 @ 42.50 1 blk bull 1170 @ 41.50 1235 @ 41.00	1460 @ 39.50 1135 @ 39.00 BULLS 1315 @ 85.00 1270 @ 79.00 1130 @ 77.00
1 blk bull 2 blk strs 2 blk bulls 1 blk bull	545 @ 142.00 493 @ 140.00 488 @ 137.00 495 @ 130.00 EEDER STEERS 557 @ 173.00 666 @ 155.25 606 @ 155.25 606 @ 153.00 703 @ 151.00 645 @ 150.00	57 blk/bwf strs 59 blk/char strs 35 blk strs 62 blk/bwf strs 23 blk/bwf strs 6 blk strs 12 x-bred strs 124 blk/bwf strs 65 blk strs 66 mix strs 8 blk strs 60 mix strs	851 @ 140.25 884 @ 140.25 840 @ 139.50 859 @ 139.25 790 @ 138.75 863 @ 137.50 847 @ 137.25 863 @ 137.25 863 @ 137.25 863 @ 137.50 847 @ 137.25 863 @ 135.75 837 @ 135.75 837 @ 135.00 939 @ 134.00	4 blk hfrs 73 blk/bwf hfrs 26 blk/red hfrs 64 blk/bwf hfrs 10 blk hfrs 29 blk hfrs 6 blk hfrs 40 blk/bwf hfrs 65 blk/char hfrs 19 blk/bwf hfrs 11 blk hfrs 9 blk hfrs	609 @ 138.00 738 @ 138.00 751 @ 136.75 776 @ 135.75 589 @ 135.50 671 @ 135.25 625 @ 135.00 721 @ 134.75 716 @ 134.50 676 @ 134.00 693 @ 133.00	4 blk hfrts 1 blk cow 1 blk cow	$\begin{array}{c} 1295 @ 91.00 \\ 1565 @ 56.00 \\ 1595 @ 55.00 \\ 1755 @ 54.00 \\ 1470 @ 53.25 \\ 1505 @ 53.00 \\ 1455 @ 52.50 \\ 1405 @ 52.00 \\ 1395 @ 51.00 \\ 1545 @ 50.00 \\ 1400 @ 49.00 \\ 1635 @ 48.00 \\ \end{array}$	 50 blk h 125 Sin weaned 58 blach 120 blach 87 blach 61 blach 	GNMENTS FOR JA owf strs & hfrs, 475-55 hAngus steers & heifer , vacc. k heifers, 775-800 lbs. ck heifers, 825-850 lbs. k steers, 850-900 lbs. k cross-red steers, 900 k steers, 925-950 lbs.	0 Ibs., vacc. s, 600-800 Ibs., s.
11 blk strs 6 blk strs 30 blk/bwf strs 11 blk strs 4 blk strs	643 @ 150.00 672 @ 149.25 684 @ 148.50 718 @ 148.00 715 @ 145.75 708 @ 144.50	58 mix strs 30 mix strs HEIFER	939 @ 134.00 974 @ 134.00 936 @ 133.75 CALVES 295 @ 141.00			1 blk cow R AUCTIO Auctions.c	-		GNMENTS FOR JA & red Angus heifers, 80	

#AMN284044 - RH #AMN284045 - LH

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to WWW.gl'assandgl'ain.COM & logging onto the online subscription

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