

### Schwieterman Market Outlook A marketing commentary by Bret Crotts

The ag markets had quite a week, with many contracts highs and several limit moves. The May corn traded limit higher the same day that the July contract traded limit lower. During the week the July contract traded both limit lower and limit higher. Soybean oil traded limit higher multiple and closed limit higher Friday following an outside day up on the chart. The June hogs also closed out the week limit higher and are closing in on a new contract high.

On the charts, we have several things to look at. First, the May corn, which is in the delivery period, exceeded the \$7.30 target and has slowed down at the \$7.48 resistance. Most likely we are gearing up for a run at the all-time highs. The July contract, however, is 60 cents lower than the May and therefore has a great deal of catching up to do. The July contract will likely have to struggle through the same resistance points at \$7.30 and \$7.48 before eventually

targeting the level that if we take out that high, the May contract goes off the board.

For the wheat, the July KW will first find resistance at the contract high of \$7.41, but in the long run, we are likely headed for the \$8.55 level. We still aren't seeing good enough export sales for the wheat to separate itself from the corn, but as long as the corn is moving higher, the wheat will, too. In the near term, look for the July corn to catch up with the July KW, and then the two markets will move together. Wheat, whether we like it or not, is essentially a feed grain.

July soybeans held at the \$14.90 support on Friday, then posted an outside day higher on the chart. That move suggests we will at least get a test of the contract high, and

the next level to look for will be \$16.30, followed by \$18.00. Meanwhile, a test of the all-time high in the soybean oil looks inevitable.

Cattle did not have as much fun as the grain markets last week. The June live cattle were stagnant and most of the feeder cattle contracts made new lows for the move. Despite soaring boxed beef prices and insane packer margins, we cannot get any strength in the live cattle market and the rising corn weighs on the feeders when there is no strength in the live cattle. It looks like bear spreading is going to be the norm in both the live cattle and feeder cattle futures until the packers lose their current leverage.

### Grass & Grain, May 4, 2021

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**THANK YOU** to the Manhattan area

farmers, ranchers, and businesses who

donated their time and money to the care of

Jeff Brooks before his passing,

especially the caring team at Good Shepherd

Homecare & Hospice.

Our gratitude is immeasurable.

Thank you, from his father

Jim Brooks, and sons

Christian & Scott Brooks

### **STARTING 10:00 A.M. ON WEIGH COWS** FOLLOWED BY STOCKER FEEDERS — 11:00 A.M. OFFICE PHONE 785-776-4815 • OWNER JOHN CLINE



AUCTION

v												
Our CONSIG	GNMENTS ca	an now be vie	wed after 12 N	loon on N	londays by go	ing to WWW.	grassandg	<b>rain.com</b> & Io	gging onto	o the on	line s	ubscriptior
For our sale	held Friday,	April 30th, all	Alma	18 blk	563@150.00	Alta Vista	3 blk	726@119.50	St George	1 bl	k	1790@92.50
classes of st	teers and hei	fers were sell-	Riley	7 Cross	638@148.50	Palmer	63 blk	833@114.00	Wamego	1 bl	k	1560@86.00
ing on a wea	aker trend w	ith the bulk of	Riley	5 Cross	568@147.00	Cummings	4 blk	865@113.00	Manhattan	1 bl	k	1495@84.50
the run bein	ng Fall calves	s. The weaned	Blue Rapids	6 Char	735@145.75	Manhattan	3 Char	768@100.00	Pamona	1 H	erf	2155@80.00
cattle and t	the cattle wi	th good con-	Manhattan	3 mix	571@141.00	Palmer	3 mix	741@100.00				
dition were	finding the	most interest.	Holton	6 blk	646@139.00					COW/CA	LF PA	IRS
Cull cows a	nd bulls sol	d \$2-\$3 lower	Blue Rapids	8 blk	697@134.50	COWS & HEIF	ERETTES —	900-1,700 LBS.			AGE	
on a larger o	offering.		Westmoreland	3 Hols	653@58.50	Manhattan	1 blk	2245@88.50	Seneca	6 bwf	2	@2525.00
						Alma	1 blk	1070@85.00	Seneca	6 bwf	2	@2475.00
STEER C	ALVES — 22	5-550 LBS.	HEIFER CAI	VES — 3	300-550 LBS.	Burns	1 blk	1125@84.00	Seneca	4 bwf	2	@2150.00
St. Marys	4 Cross	243@203.00	St. Marys	3 blk	406@164.00	Manhattan	1 blk	785@71.00	Seneca	4 bwf	2	@2000.00
randolph	5 blk	445@179.50	Linwood	4 blk	306@161.00	Paxico	1 Cross	1580@68.00	Mayetta	5 bwf	4-6	@1700.00
Randolph	8 blk	390@178.50	Alma	9 blk	438@159.50	Waterville	1 blk	1710@67.00	Mayetta	5 bwf	3-4	@1550.00
Linwood	3 Cross	378@176.50	Blue Rapids	5 blk	427@159.50	Leonardville	1 blk	1475@65.50	Mayetta	4 blk	4-5	@1525.00
Alma	7 blk	425@175.50	Randolph	16 blk	438@159.00	Clay Center	1 blk	1330@64.50	WstmrInd	4 blk	4-5	@1300.00
St. Marys	7 blk	450@175.00	Carbondale	10 blk	470@158.25	Waterville	1	1280@63.50	Mayetta	3 blk	SS	@1200.00

446@156.00

Paxico

1 cross

Alma	7 blk	418@171.00	Princeton	4 blk	480@152.00	Cummings	1 blk	1445@61.50	Lincolnville	3 blk	SS	@1075.00
Linwood	3 blk	421@170.00	Mayetta	7 blk	453@151.00	St George	1 blk	1525@59.00	Jnction City	5 Herf	SS	@1000.00
Frankfort	9 blk	417@169.00	Linwood	5 blk	509@151.00	Mayetta	1 Cross	1145@58.00				
Blue Rapids	6 blk	485@168.00	Randolph	4 Rd Ang	462@151.00	Onaga	1 blk	1165@57.50		BRED	cow	S
	4 blk	501@166.00	Alma	13 blk	478@150.00						AGE	BRED
Blue Rapids	3 blk	518@166.00	Alma	3 blk	323@150.00		BABY CALVE	ES	Manhattan	1 blk	2	8 @1250.00
Dwight	5 blk	486@166.00	Blue Rapids	16 blk	533@148.00	KS	4 blk	@425.00	Wamego	1 blk	2	8 @1075.00
Frankfort	3 blk	320@164.50	Linwood	3 blk	396@147.00	KS	2 blk	@400.00	Onaga	7 Herf	2	3 @1035.00
Randolph	5 blk	491@161.50	Alma	14 blk	490@146.00	KS	1 Cross	@325.00	Onaga	3 bwf	5	4-5@1025.00
Alma	9 blk	498@161.00	Randolph	11 blk	518@146.00	KS	2 bwf	@300.00	Seneca	2 blk	4-5	3-5@1000.00
Frankfort	13 bwf	490@160.00	Blue Rapids	6 blk	473@146.00							
Randolph	13 blk	541@159.00	Manhattan	3 mix	440@146.00	BULL	S — 1,475-2,	275 LBS.	REP	LACEME	NT H	EIFERS
Linwood	9 blk	518@158.50	Holton	6 blk	491@145.00	Riley	1 blk	2095@97.00	Junction Cit	y 10 Herf		@1250.00
Alma	15 blk	547@155.50	Carbondale	4 blk	333@145.00	Wamego	1 blk	2155@93.50	Junction Cit	y 15 Herf		@1225.00
Mayetta	6 blk	545@153.50	Riley	9 blk	525@137.50	Manhattan	1 blk	2275@93.00	Onaga	11 Herf		@1125.00
Randolph	3 Cross	526@149.50					allest and a					
Randolph	4 Cross	518@143.50	HEIFER	S — 550-1,	000 LBS.	The way	SPE SPE	ECIAL S	тоск	CO	W	
			Onaga	7 Heref	913@1035.00	12-13		<b>RED HI</b>		CVI	E	
STEER	S — 550-7	'50 LBS.	Onaga	3 bwf	993@900.00	AD AA						
Blue Rapids	25 blk	561@160.00	Carbondale	4 blk	565@145.00	WE	<b>D., MA</b>	Y 5 • ST	ARTIN	G 11	:0	O AM
Blue Rapids	21 blk	611@156.75	Blue Rapids	7 blk	571@141.00		14/14/14	.MCCLIV			ЛЛ	
Princeton	4 mix	592@153.00	Holton	14 blk	604@137.00				23100	n.cc		
Holton	8 blk	585@152.00	Blue Rapids	4 Char	711@120.00		1	This Sale V	Vill Featu	ire:		
EAD			AENITO I					Angus 1st calf h				
	• 57 fancy blk bwf 2/3 strs & 1/3 hfrs, 2 rds shots, 400-550 lbs.							us 2nd calf hfrs	w/ Red Angu	s & Blk A	ngus	s sired calves.
			•			-	1st calf hfrs,			–		
-	-	eaned 45 days, 2					, ,	s OCV cows, 5 y	•	•	ed A	ngus calves.
	• 34 blk strs & hfrs, weaned 40 days, 1 rd shots, wormed, 400-550 lbs.					• 175 Blk c	ows 4-8 yrs, w	ith Feb./March /	Angus & BWF	calves.		

10 blk strs & hfrs, weaned 40 days, 1 rd shots, wormed, 350-400 lbs.

#### CONSIGNMENTS FO

- 35 Blk BWF cows, 4-8 yrs, bred to Houck Rock Creek Ranch 3/4 Simm bulls for summer & early Fall calves.
  - 17 Blk BWF older cows, 11 w/ Char Angus, balance Angus late Jan. 30-day calves.

10 blk strs, weaned 30 days, 2 rds shots, bunk & electric fence broke, 600-650 lbs.

• 170 Blk & 30 Red Angus Fall bred 1st calf hfrs for late Aug.-Oct. calves.

1450@62.50

Seneca

5 blk

SS

@1185.00

275 Blk BWF & Red Angus fall bred cows, 3-6 yrs, bred for Sept.-Oct. calves. 15 Blk, Red Angus & Simm bulls.

As a courtesy to our customers, we provide online auction bidding at LMAauctions.com, as well as phone bidding.

### COMPLETE LISTING IS AVAILABLE AT MCCLIVESTOCK.COM

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

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### Kansas Hay Market Report

For the week ending April 24 hay market prices were steady across the state with demand light to moderate. Most hay that is moving is hay to finish out old contracts to feeders. There are small amounts of alfalfa here and there, mostly lower quality hay, that can still be found, however, the supply is dwindling. Below-freezing temperatures and a late April snow have hay producers holding their breath that young alfalfa does not receive freeze damage. Further new crop pricing has still not been reported. Although numerous conversations have taken place most producers are taking a "wait and see" attitude as we all know Mother Nature can be tricky. The western third of the state remains in abnormally dry to moderate drought conditions and only minor expansion has occurred over the last week. According to the U.S. Drought Monitor for the week of April 20th, abnormal drvness (D0) increased to 13%, moderate drought (D1) increased to 11%, and severe drought (D2) remained at 2%. If you have any extra hay to sell and/or need hay here in Kansas, use the services of the Internet Hay Exchange:www.hayexchange.com/ks.php.

\*\* Prices below reflect the average price. There could be prices higher and lower than those published.

### Southwest Kansas

Dairy alfalfa, grinding alfalfa, ground and delivered steady; movement slow to moderate. Alfalfa: horse, premium small squares 260.00-280.00. Dairy 1.00-1.05/point RFV, Supreme 185-237.00.00, Premium 170.00-195.00, Good 150.00-178.50. Stock or Dry Cow 170.00-180.00. Current Grinding alfalfa 170.00-180.00. Current Ground and delivered locally to feed lots and dairies, 200.00-220 with instances at 235.00-240.00. Grass Hay: small squares none reported, large 4x4 squares 100.00-110.00, large rounds none reported; Sudan: large rounds 75.00-85.00. Wheat straw, small squares 3.50-4.50/bale, large 3x4 squares 80.00-90.00. The week of 4/18-4/24, 8,876T of grinding alfalfa and 1,086T of dairy alfalfa was reported bought/sold.

### South Central Kansas

Dairy alfalfa, alfalfa pellets, grinding alfalfa, ground/ delivered, steady; movement slow to moderate. Alfalfa: horse, small squares 255.00-275.00. Dairy, 1.00/point RFV, Supreme 185.00-225.00, Premium 170.00-195.00, Good 150.00-178.00. Stock cow, 165.00-175.00. Fair/good grinding alfalfa 150.00-160.00 delivered with instances at 165.00-175.00 delivered. Ground and delivered 165.00-175.00 with an instance at 200.00. Alfalfa pellets: Sun cured 15 pct protein 200.00-215.00, 17 pct protein 210.00-220.00, Dehydrated 17 pct 305.00-310.00. Grass Hay: Bluestem, 3x3 square 115.00-125.00, 3x4 and 4x4 squares 100.00-110.00, large rounds 65.00-75.00. Brome: large 3x4 squares 90.00-100.00, large rounds 90.00-100.00. Teff: large rounds 135.00-145.00. Sudan: large rounds 90.00-100.00. Corn stalks: 65.00-75.00; Wheat straw: 60.00-70.00. The week of 4/18-4/24, 8.549T of grinding alfalfa and 559T of dairy alfalfa was reported bought/sold.

### Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady, grass hay steady, movement slow to moderate. Alfalfa: horse or goat, 230.00-240.00. Dairy 1.00-1.05/point RFV. Stock cow 150.00-160.00. Fair/Good grinding alfalfa, large rounds 135.00-145.00. Ground and delivered, none reported; Grass hay: Bluestem, small squares 120.00-125.00, good 3x3 squares 100.00-120.00, good, 3x4 squares 90.00-120.00, large 4x4 squares 90.00-110.00, large rounds 60.00-70.00. Brome, good, small squares none reported, 3x4 to 4x4 squares 95.00-120.00, large rounds 65.00-75.00. Wheat Straw: 3x4 and 4x4 squares 60.00-80.00. The week of 4/18-4/24, 1,811T of grass hay was reported bought/sold.

#### **Northwest Kansas**

Dairy alfalfa, ground/delivered steady, grinding alfalfa steady, movement slow. Alfalfa: Horse or goat, 220.00-230.00. Dairy, Premium/Supreme 1.00/point RFV. Stock cow, fair/good 165.00-175.00. Fair/good grinding alfalfa, 130.00-140.00. Ground and delivered, not a large enough sample to report. Sudan, large rounds 60.00-70.00. Wheat straw, large squares none reported.

#### North Central-Northeast Kansas

Dairy alfalfa, grass hay, grinding alfalfa, ground/delivered steady, movement slow to moderate. Alfalfa: horse, premium small squares, 9.00-10.00/bale. Dairy 1.00-1.05/point RFV, Supreme 185-237.00.00, Premium 170.00-195.00, Good 150.00-178.50. Stock Cow, 150.00-160.00. Fair/good, grinding alfalfa, 120.00-130.00. Ground and delivered 155.00-165.00. Grass hay: Bluestem, small squares 5.50-6.50/bale, 3x4 to 4x4 squares 100.00-105.00, large rounds 60.00-90.00. Brome, small squares 6.50-7.50/bale, 3x4 to 4x4 squares 105.00-115.00, large rounds 80.00-90.00; Sudan, large rounds, 75.00-80.00. Wheat Straw: small squares 5.00-6.00/bale, large 4x4 squares 75.00-85.00, 100.00-110.00 delivered, large rounds 65.00-75.00. The week of 4/18-4/24, 2,086T of grinding alfalfa and 488T of dairy alfalfa was reported bought/sold.

\*\*\*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).

\* Posted by Kim Nettleton, Kansas Department of Agriculture

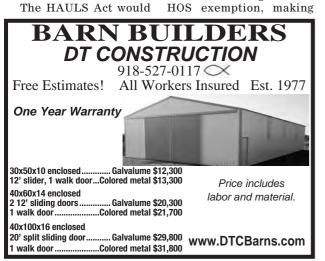
\*\*Prices are per ton and FOB unless otherwise noted

### HAULS Act introduced in U.S. House The Haulers of Agriculadd a 150-air-mile radius it available year-round in

exemption under hours-of-

The Haulers of Agriculture and Livestock Safety (HAULS) Act of 2021 was recently introduced into the U.S. House of Representatives. This bill is a companion to legislation NCBA successfully got introduced in the Senate last month.

service (HOS) regulations to the back end of hauls for those transporting livestock or agricultural commodities. This legislation also would eliminate the seasonal harvest requirements for the agriculture



it available year-round in all states, and updates and clarifies the definition of an agricultural commodity.

"In times of crisis and in times of normalcy, livestock haulers are a critical part of the supply chain, keeping grocery stores stocked with beef. The full year of disruption due to COVID-19 has only underscored the need for further flexibility in livestock hauling regulations," said NCBA president Jerry Bohn of Wichita.

Current HOS rules allow for 11 hours of drive time, 14 hours of on-duty time, then require ten consecutive hours of rest. When transporting livestock, there is a real need for further flexibility beyond the current HOS as haulers cannot idle or unload their trucks when drive-time hours run out without jeopardizing animal health and welfare.

# Is your farm a candidate for solar electricity?

Farmers have been utilizing the power of the sun for growing crops and forages for food since the beginning of time. With the increasing cost of electricity and the dropping prices of solar systems, more people are finding that solar photovoltaic (electricity-producing) systems may make both economic and environmental sense today in Kansas. Is your farm, home, or business a candidate for solar?

While electrical prices have gone up, the cost to install solar has dropped with increased efficiencies in panels, inverters and installation time.

A couple of tax policies are in place that buyers of solar systems may take advantage of. The first is the Federal Energy Tax Credit, which is 26% for 2021 and 2022, 22% for 2023, and then 10% for only commercial systems after 2023. The second policy is that businesses may utilize depreciation for the system.

The two items that have the greatest impact on whether your place is a candidate for solar is the cost of electricity for your site, and the placement and orientation of your solar panels.

Since Kansas is in the northern hemisphere, a roof that has a slope facing south will produce the most electricity. If the roof slopes are facing east or west, the less slope we have, the more efficient the solar panels are. Panels that are shade free the majority of the day are the most efficient. Ground mounts can be used if a desirable roof is not available.

Kansas produces millions of bushels of grain and millions of tons of forage because of the sunshine. Maybe it is time to see if you can utilize solar to power your electrical needs, too.

Contact Cromwell Solar at 785-831-4617 or bwood@cromwellsolar.com for more information.



4 miles North on Hwy. 99 to the Wheaton Rd., then continue 5 1/2 miles North on the Wheaton Rd. to Pauling Run Rd. then 3/4 mile West on the South side. OR From Westmoreland, KS 1 mile South on Hwy. 99 to the Hartwich Rd., then 4.3 miles East to Wheaton Rd., then 2 miles South to Pauling Run Rd., then 3/4 mile West. 16520 Pauling Run Rd., WESTMORELAND, KS 66549

### 80 acres, M/L, of Pottawatomie County meadow & building sites, to be offered in 3 tracts.

**TRACT 1:** The West Half of the North Half of the Northwest Quarter of Section 20, Township 8 South, Range 10 East of the 6th PM.

This property consists of 40 acres, M/L, of meadow with some trees for wildlife habitat. This property has a 3 bedroom modular home, which is being

**TRACT 2:** The East Half of the North Half of the Northwest Quarter of Section 20, Township 8 South, Range 10 East of the 6th PM. This property consists of 40 acres, M/L, of meadow, some trees in the draws for wildlife habitat and a building site with a water meter. electric service



sold in "AS IS" condition. There is a rural water and meter, electric service and a lagoon.

TRACT 3: A combination of Tract 1 and Tract 2.

**REAL ESTATE TERMS:** The Seller requires 10% non-refundable down payment day of sale with the balance to be paid on or before June 22, 2021. Possession to be upon closing. 2021 taxes to be prorated to date of closing. If Tract 1 and Tract 2 sell separate the buyers and seller will split the Survey fee. Buyers and Seller to equally split the Title Insurance and closing fee. This property sells in AS IS condition. Cline Realty and Auction, LLC represents the Sellers interest.

#### TRACTORS, CATERPILLAR & MACHINERY

Case IH 5130 Maxxum 2-wheel drive tractor w/GB loader mounts, SN: JJF1019258, 16 speed transmission, forward & reverse shuttle, 18.4x38 good tires, 3 pt. triple hyd., rear weights, looks and runs good; later model H-Farmall tractor NF, near new rear tires; **1948 D4 60**" Caterpillar Dozer with 93" hyd. raise blade, electric start pony motor, starts and runs good; Vermeer 605J big round baler; Allis Chalmers 303 string tie square baler, looks good; New Holland 456, 9' trail type mower; older model JD 9' trail type mower, good; Antique Oliver 4 bar high rubber tired hay rake; AC 14' rigid rotary mower; BMB Brute pull type rotary mower: 16 Brady pull type field cultivator; 4x16" IHC steerable plow; 3x16" JD 3 pt. plow; 2x14" antique pull type trip plow; 9' JD drag springtooth; 9' JD wheel disc; 12-hole high wheeled grain drill, salvage; 8' IHC drag wheel disc; 1-section yard harrow; JD 16' wheel disc: 10-shank pull type chisel; 7' 3 pt. hitch blade; 3 pt. bale fork; VanBrunt 16-hole galvanized box grain drill, fair. PICKUP, MOTORHOME,

#### PICKUP, MOTORHOME, TRAILER & MOWERS

2012 GMC Sierra 1500 pickup with V-6 motor; 1982 Holt Holiday Rambler 32' motor home with chrome dual wheels and a single axle, pull out awning, as is; 1998 Ford E350 28' Coachman Royal Leprechaun motorhome with 460 motor, dual wheels, AT, 64,000 miles, sleeps 6, had a new top 5 years ago; older 16' bumper hitch Travalong stock trailer; Cub Cadet 1641 riding mower with 376 hrs. and 48" deck; John Deere 320 48" riding mower with hyd. lift; JD 30" front underneath mount tiller;

Trim Along No. 5 heavy high wheel trimmer with Briggs motor; roto-tiller with Briggs motor TOOLS, SHOP ITEMS & MISC. 7-drawer plus door metal Craftsman tool box on rollers; 7-drawer plus open top Craftsman tool box; Coats 40-40A tire changing machine (needs foot valve work); electric over hvd. 6-ton car lift: Sears Craftsman 30-200 amp arc welder; heavy duty air compressor; 4-drawer metal cabinet: metal tool rack; 4" electric grinder; chain boomers; assorted hand tools; air grease gun; hand saws; scythe; air tools, chisels, drills and air ratchet; assorted sockets and wrenches: battery operated pole chain saw; Husky Pro 60-gal. upright air compressor; Kobalt air compressor; 1 3/4hp plunge router, near new; 4" vise; Central Pneumatic air texture paint gun, new; 34-oz. Abrasive Central Pneumatic blast gun; Thunderbolt Magnum 3708 watt portable generator; BTS Vanguard 7,000 watt 14hp generator; near new Pro-Fusion 220 shop heater; 7-drawer Bonney metal tool chest on rollers; complete set of carpet laying tools; nail gun; grindstone: 1998 Nissan 3.8 liter motor and trans., 76,000 miles, good; 1976 Chevy 427 motor with 27,700 miles, good; 1000cc Honda 4-cylinder motorcycle motor; 305 Honda Scrambler motor (not complete): (2) 16hp twin cylinder Briggs & Stratton motors; 350 Chevy motor with 4 bolt main; (3) 15" aluminum wheels; several metal barrels; 8' all-metal flatbed with flipover ball hitch, good; heavy pipe A frame (or good swing set); 300-gal. fuel barrel with stand;

large older 3-phase air compressor, as is. HUNTING & FISHING ITEMS

Guns: Mossberg bolt action

### For more info, please call John E. Cline, 785-532-8381 & check website: www.clinerealtyandauction.com SELLER: THE ESTATE OF The Late RONALD R. HASHAGEN

Terms: Cash or Valid Check. Not Responsible for Accidents or Theft. Statements made sale day take precedence over printed material. *LUNCH on grounds by Cowboy Church* 

Auction Conducted By: **CLINE REALTY & AUCTION, LLC** Onaga, KS • 785-889-4775 • John E. Cline, Broker/Auctioneer, 785-532-8381 Annette Cline, Assoc. Broker, 785-556-3971 • Austin Cline, Auctioneer, Frankfort, KS, 785-565-3246

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22 Magnum rifle with Bushnell scope; JC Higgins 10125 bolt action 410 shotgun; Davenport Firearms 16 ga. single shot shot gun; American Gen Co. New York 12 ga. single shot shotgun; Savage semi-automatic 22 long rifle with Powerline scope and case; Smith & Wesson 25mm revolver; air pellet rifle; new Jeff Foiles Signature Series duck hunting bag; Hummingbird fish finder; Johnson 65hp boat motor; 18' boat trailer, good; Bayliner 18' boat (rough) with 125 Force motor (needs head gasket) on good 19' trailer: another salvage boat and trailer; fishing rods; 12 metal 48"x48" deer stand; climb-ing deer stand; Wetlike Ski Do (parts only)

#### LIVESTOCK ITEMS

18 round bales of 2020 prairie hay, string tie; (10) 12' green metal panels with 1 walk through; wire unroller; 150 electric fence posts; 75 steel fence posts; many insulators; assorted wire; 2 grain bunks; calf cradle; several water tanks; small 2-wheel grain tote. HOUSEHOLD & YARD MISC.,

#### IOUSEHOLD & YARD MISC., SADDLES & TACK

Lowrey organ; wooden round din-ing table with 7 leaves; Magic Chef electric range; Kenmore heavy duty 80 Series electric dryer; Kenmore Series 100 ke top loading washer; assorted furniture pieces; small kitchen appliances kitchenware items: many, many knick knacks; wall hangings; 6 kitchen chairs; many Dreamsicles figurines; 3-pc. metal patio set step ladder; yard tools; Cub Cadet push lawn mower; small metal yard wagon; hand sprayer; JD lawn fert. spreader; R.1 Frazier saddle, good; Corriente Saddle Co. saddle with saddle bags, good; aluminum and wood saddle stand; halters, bridles ropes, chaps and spurs.

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### Letter to the Editor GRASS & GRAIN

I would like to respond to Donna Sullivan's frontpage article explaining the National Heritage Area that has been recommended for twenty-six counties in Kansas and twenty-three counties in Nebraska.

I attended a meeting on this topic in Clav Center, Kansas on April 13. The Catholic Church Hall there was completely full. It seemed to me that in her article, Ms. Sullivan emphasized the advantages of the National Heritage Areas but downplayed the problems. She did post links for you to go to for more information from Dr. Kincaide. Still, her coverage of the meeting we both attended certainly painted a "sunnier" picture than was on display at that meeting. Ms. Sullivan also didn't mention all of the speakers who presented that evening. I would like to add to her information.

The first speaker was Angel Cushing from Lyon County. She talked about how their ranch has spent over \$20,000 to push back against anti-fencing movements being promoted by the city of Emporia and the city commissioners there. Somehow, their city and county commissioners have been joined under one voting block and now the landowners are at the mercy of the city. How does this relate to the National Heritage Area? Any time you open the door to the government, you are inviting problems that are often unrelated to the problem you had hoped to solve.

Ms. Cushing saw the final plans for her ranch and the surrounding area that showed how the farmers and ranchers there were to be moved off their land and placed in housing along the county roads. Now how is that possible if the government isn't going to have any say over how land is used?

As we clear the brush from our creeks and waterways, is that not making them more accessible to tourism? In tourism, I am including off-road vehicles and ATVs. Of course not, you say. It is our private property. Why, people can't just open my gates and come in.

But they can if the government has a say. Look at all the problems on the

Natural resources are destroyed and gates are left open. What is being done? Very little. Of course, financial recompense is never offered to the producer whose leased land is damaged or whose cattle escape through open gates.

National Heritage Area proponents tout how the control of the land is always left up to the landowners and the local counties. However, those of us who have worked on any board or committee know that there has to be someone in charge. Forty-nine counties, multiple landowners, county commissioners and the county leaders would be too difficult to organize and too ungainly to accomplish anything. And that is where the Heritage Area organizers are more than happy to run things.

One of the televised meetings in western Kansas did a better job of showing the connection between what is going on in Ms. Cushing's area of Lyon County and the National Heritage Areas. A big thank you goes out to **Representative Tatum Lee** Hahn from Ness City who attended and spoke at the meeting I watched online.

Ms. Sullivan also didn't tell all that Mr. Kincaide stated as problems. He discussed in length the efforts that the National Heritage organizers went to to keep people misinformed or to keep information quiet. When the truth did come out, they tried to lie their way out of it. The National Park Service was a big part of the group working against the ranchers in southwest Colorado. They never acknowledged their involvement and even denied their participation.

The major point that Doctor Kincaide emphasized time and again was to stop this early. He also stated that if the government gets control of your land, they control the natural resources there too.

We have an opportunity to stop this before any feasibility studies are done. Our county commissioners can and should halt this land grab along with any future attempts to declare our counties a National Heritage Area. I hope that our county commissioners will educate themselves on this topic.

The advantage that we who are opposed to this have is that the government is slow and ungainly. We have time to fight it, working together and with our county commissioners. The problem that we have is that this is a many-fingered issue. It must be stopped early. Once the feasibility studies start, lots of planning has already taken place. Think of it as Sericea lespedeza. Once you know there is

a problem, it has already gotten away from vou

Many of the state-wide meetings on this topic were recorded and are available to watch even now with additional meetings scheduled in May. A resource that I would recommend is powell4Kansas on Facebook. Some of the recorded meetings are posted there. Again, it bothers me that Ms. Sullivan failed to acknowledge this resource since it was mentioned during the meeting.

So what is the impetus behind this? Why are counties so eager to jump on board? Follow the money. Counties are offered a windfall of government payments. According to Mr. Kincaide, these financial handouts don't usually pan out well for any of those involved since the funds will be split so many ways. Still, people listen when dollars are promised.

I would challenge anyone to show me a government entity that can preserve our farm and ranchlands better than those who own it and make a living from it. Outsiders have no vested interest and in many cases, little experience. Yes, this entire study was begun in our agricultural colleges. Funny, I didn't see where producers were asked for input, though.

National Heritage Areas are another way for the government to expand the power and influence of the National Park Service. Would this be the same National Park Service that targets landowners and promotes the taking of private property? Yes, that would be the same one. Again, ask our western ranching friends how the introduction of wolves is working out for them. Those darn wolves just don't pay attention to the signs that say you are leaving the national park. They make their homes on private property where they can prey on sheep and "slow elk" as cattle are sometimes called.

In closing, I suggest that you ask why so much land is needed. And why in this specific area? It is really because of tourism or is there a darker reason? I asked this question at the meeting and no one could answer it for me. Then ask. since part of the identified land has already been designated as a Heritage Area, why is a second umbrella needed? I will never willingly cede the use of my land to a government entity no matter how benign it appears. I know how hard Sericea lespedeza is to eradicate. **Rosie Bosse Pottawatomie County** Landowner

The Flint Hills Discovery Center (FHDC) will host an Explore the Flint Hills Day on Saturday, May 8 with special activities at the FHDC and unique opportunities to visit Flint Hills locations throughout the day.

Explore the Flint Hills at the FHDC from 10:00 a.m. to 5:00 p.m. with a series of family activities. Kids can decorate their own take-home planters with native grasses. See live raptors from the Milford Nature Center from 11:00 a.m. to 3:00 p.m. Meet native reptiles including a box turtle and hognose snake at a live show from 3:00 to 4:00 p.m.

From 9:00 a.m. to 12:00 p.m. students from the K-State Parks Management and Conservation Program will be giving free guided hikes leaving every 15 minutes on the public trails at the Konza Prairie Biological Research Station. This is a 2.6 mile hike and will take approximately 90 minutes. Each hike is limited to 15 participants on a first- come, first-served basis. Meet at the Konza Prairie trailhead.

From 1:00 p.m. to 4:00 p.m. the FHDC is partnering with the Native Stone Scenic Byway for free self-guided driving tours. Byway volunteers will be at stops from Wabaunsee to Eskridge sharing stories and history. Stops include a station on the Underground Railroad, Mt. Mitchell prairie, and historic stone fences.

Regular admission rates apply for activities at the FHDC: \$10 for adults (18-64 years old), \$8 for military, students, educators, or seniors, \$5 for youth (2-16 years old), free for children under two years old. FHDC members are always free. The Guided Konza Prairie Hikes and Native Stone Scenic Byway Driving Tours are free for the public.

To learn more about the Explore Flint Hills Day at the Flint Hills Discovery Center, visit www.flinthillsdiscovery.org/659/Expore-the-Flint-Hills-Day, call 785-587-2726 or visit 315 S. 3rd St. in Manhattan.

### KLA and others continue to express concern with 30x30 proposal

concerns about President Joe Biden's 30x30 proposal, which seeks to conserve 30% of the land and ocean in America by 2030. In conversations with USDA staff, KLA has made it clear the association does not support executive mandates to enforce climate policy and opposes using executive action to redirect funding away from other resource concerns like water quality. Protecting private property rights is a foundational principle of KLA and members oppose government mandates that limit these rights.

In addition to KLA's efforts, Senators Jerry Moran and Roger Marshall, along with Kansas Gov. Laura Kelly and Kansas Attorney General Derek Schmidt also have each expressed their concern with the 30x30 directive. Moran and Schmidt each sent a letter to U.S. Interior Secretary Deb Haaland, whose office has been directed to work with USDA and other agencies to compile a report for the National Climate Task Force that includes proposed guidelines for determining what lands and waters qualify for conservation. Schmidt said the proposal "must be construed to fully protect private property rights and to preserve state and local authority over conservation measures." Similarly, Moran's letter sought assurances that the pres-

KLA continues to have not tread in any way on the rights of landowners.

> "It is critical for the Biden administration to uphold the integrity of private property rights and recognize the important economic contributions of agricultural and energy production on our lands." Moran wrote.

Marshall sent a letter to Biden urging him to ensure the directive would not threaten productive land that will be necessary to feed an ever-growing world population.

"I ask that you respect and acknowledge the private property rights of

individuals so they may continue to have authority over what occurs on their property and have the freedom to produce an abundance of food, fuel and fiber for the world," he wrote.

Kelly sent a letter to Haaland and U.S. Ag Secretary Tom Vilsack recommending the agriculture community be full partners in the development of any new conservation programs. She also strongly advised that any federal initiative be respectful of landowners' property rights.

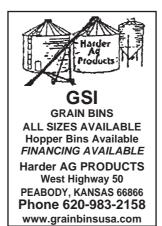


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version Ironman Table (New); Everlast Punching Bag; Pella Double Pain Sealed Glass; EZ-Hoe Row Tiller; 12V Fimco 15 gal. Sprayer; Custom Made Red Cedar Large Dog Kennel; Large Amount High-End Home Décor!: Golf Clubs: many items too numerous to mention!

JEWELRY arge Amount of Verv

public lands in our western states. Ranchers have specific requirements as what they can and cannot do with leased land, but "tourists" may use the trails through those same lands, and during the grazing season. Of course they don't stay on the trails. It is more fun to go mudding on off-roads. What is the fun of staying on a trail when you have a vehicle designed to play hard?



Marion. 2 blk

White City, 4 blk

Ramona, 1 rwf

Durham, 8 Red

Lincolnville, 1 blk

Herington, 1 blk

Hillsboro, 1 blk

Tampa, 1 blk

Marion, 4 mix

Herington, 2 blk

Marion. 1 bwf

idential directive would

2008 Final Four Shot Framed Picture, Roy Williams Signed Basketball NIB, Danny Manning signed 1988 Framed Picture; George Brett Signed Bat w/ Book & Authenticity!; Walnut Pie-Safe; Ornate Marble Top

Coca-Cola Metal Coolers; sew-ing buttons; Aladdin #11 Lamp;

oil lamps; Uncle Remus Syrup

Tin Sign; Old Judge Coffee Jar; Glassware: RS Germa-

ny, Haviland, Red Currier Ives, Pink Depression, Noritake,

Crystal; Art Pictures (Most

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maple kitchen cart; cedar chest; walnut table, 4 chairs & bench; oak china hutch: maple platform rock & ottoman; walnut 2 drawer chest; gum kitchen cabinet; oak computer desk: office chair: patio table & 4 chairs: patio glider; large pine pantry; small pine pantry; small oak library table; child's swivel rocking chair, new upholstery; small Crosley chest type freezer.

COLLECTIBLES & MISC. Seth Thomas mantle clock; green depression stem pcs.; thimble collection; several Hummels; kerosene lamp; vintage Singer sewing machine: large selection of sewing items; various glassware; chenille bedspreads; numerous hand tied comforters; vintage dolls & doll clothes; Kodak glide projectors; oak telephone; toy typewriter & other vintage toys; numerous Masonic & Eastern Star items; numerous Marlow woodcuts; pitcher pumps; cow

boy lamp; CI bell & yoke; vintage kitchen items; iron soap dish; sugar scoop: vintage buttons straight razors; costume jewelry numerous hats; rock collection crocheted bed spreader; 1960s albums & 78 records: turntable: 1950's Navy uniforms; oak or ganizer cabinet; vintage books; small oak filigree frame; numerous framed diplomas early 1900's; vintage cameras; metal ice chest; horn ship; numerous silver-plate items; nice selection of primitive tools & farm items: egg scale; grain scoop; wood block plane; leather cuffs; painted bench from a bar in Ozawkie Kansas; metal toys; pitcher & basin; various hobnail milk glass pcs; handmade quilt; Fenton brides basket & other pcs: several pcs of Hull; school room map; Oreck vacuum; shop vac. 8 gal lon; various kitchen appliances 8 items; Misasa stoneware setting of 10; folding wheel chair

#### Go to hallgrenauctions.net for pictures

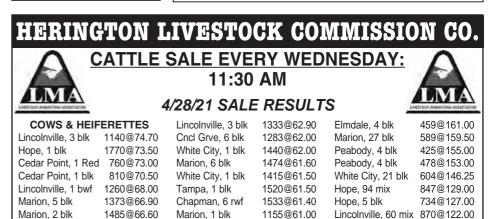
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Marion, 1 blk

Marion, 1 blk

Marion, 1 blk

Wilsey, 10 blk

Herington, 1 blk

Ramona, 1 blk

Marion. 14 blk

Ramona, 7 blk

Herington, 1 blk

1155@61.00

1095@60.00

1270@59.00

1215@59.00

462@146.50

1994@99.50

2180@98.00

498@183.00

436@165.50

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1560@65.00

1326@64.60

1305@64.50

1295@64.50

1230@64.50

1500@64.50

1143@63.80

1590@63.50

1681@63.00

• 60 mostly black strs, 900-925# MORE CATTLE BY SALE TIME

Ramona, 59 blk

Peabody, 5 blk

Ramona, 6 blk

Hope, 28 mix

Florence, 4 mix

White City, 21 blk

Lincolnville, 57 mix 928@120.25

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### Grass & Grain, May 4, 2021

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Applications can be picked up at Key Feeds, 105 4th St., Clay Center, KS 67432. For questions call Rod at 785-632-2141

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### MISCELLANEOUS



Junction City, Kansas 66441

Grass & Grain, May 4, 2021

Page 19

### Spring Crops Field Day to be held May 19

By James Coover, crop production agent, Wildcat Extension District

Come take a walk through the wheat with us! On May 19th from 9:00 a.m. to noon, K-State Research and Extension will host Spring Crops Field Day at the Southeast Research and Extension Center at 25092 Ness Rd., Parsons. We will tour the 41 wheat variety plots and talk about controlling fusarium head blight, using cover crops for weed control, and pasture weeds and fertility. This will be an outdoor and interactive field day, so join us to see what we have growing. Please call (620) 784-5337 to register or online at the Southeast Extension Center or Wildcat District websites. For questions, please call Gretchen at (620) 820-6131. The program is free and lunch will be provided by local sponsors.

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

## NCBA committed to fighting for sound tax policy

announced his American Families Plan (AFP) during his address to Congress. The plan targets several provisions of the tax code to raise about \$1.5 trillion in revenue over the next ten years.

Specifically, AFP would repeal the deferral of gain for real estate like-kind exchanges for gains greater than \$500,000 and eliminate stepped-up basis for gains of more than \$1 million (\$2.5 million per couple "when combined with existing real estate exemptions") and tax said gains on any property not donated to charity. AFP does state the reform will be designed "with protec-

President Joe Biden businesses and farms will not have to pay taxes when given to heirs who continue to run the business."

NCBA has long advocated for sound tax policy for rural America and will continue to do so. According to NCBA senior executive director of government affairs Danielle Beck, preserving long-standing tax provisions such as stepped-up basis and likekind exchanges is critical when considering the financial viability of farms and ranches, as well as the ability for the next generation of producers to conserve the land and business that has been in their family for generations. She said NCBA is committed to

gress accountable for legislation that will protect the viability of farm and ranch businesses.

"To be clear, we firmly believe that it would be irresponsible to pay for an infrastructure bill on the backs of farmers and ranchers and with that, counterintuitive with this administration's conservation agenda. These provisions in the tax code are a determining factor in whether farmers' and ranchers' access to land is maintained for generations to come, or if that land is fragmented and further threatened by conversion and development or paved over outright for strip malls and shopping



There was a day, says Ward Upham, when it was very easy to decide which sweet corn variety to plant.

"You simply chose a cultivar and planted when the soil temperature reached 55 degrees," said Upham, a horticulture expert at Kansas State University. "Now it has become more complicated due to genetic advances in sweet corn.'

Breeders have successfully incorporated certain genes to improve upon what was once considered 'standard' sweet corn, Upham said.

Here's a rundown of what to know about each type of sweet corn commonly available to homeowners

#### Standard

According to Upham, "This is our 'old' sweet corn and contains a 'sugary gene,' called su. Standard corn should be isolated from corn, popcorn, supersweets and ornamental corn – or, not planted within 200 to 250 feet or differ in maturity by 12-14 davs

Plant standard sweet corn when the soil temperature reaches at least 55 degrees F. Upham's recommended varieties include Honey and Cream, Silver Queen, Sterling Silver, Jubilee, and Merit.

### Supersweet

These have up to three times the sweetness of standard corns and hold their sweetness longer after harvest due to the sh2 gene. "They do have some drawbacks such as tougher kernels and a lack of some of that good 'corn' flavor," Upham said.

Supersweet corn also needs to be isolated from other sweet corn types and are sensitive to cooler soils

Plant when the soil temperature reaches 65 F. Upham's recommended varieties include Candy Store, Florida Staysweet, Sugar Loaf, Sweet Time, and Sweetie.

#### **Sugar Enhanced**

Upham said these are probably the most popular type of sweet corn grown due to their tender kernels, good flavor and less sensitivity to cool soils. Plant when the soil tem-perature reaches 60 F. The sugar enhanced, which benefit from the se gene, do not need to be isolated, other than from the supersweets.

hold their "They post-harvest sweetness longer than standard types but will not hold sweetness as long as the supersweets," said Upham, who recommends Bodacious, Ambrosia, Sweet Temptation, Delectable, and Miracle.

#### Triplesweet

These include a blend of genes from standard, supersweet and sugar enhanced types, in hopes of combining the best characteristics of each. Upham recommends Serendipity, Polka, Avalon, and Frisky.

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

Interested persons can also send their gardenand yard-related questions to Upham at wupham@ksu. edu, or contact your local K-State Research and Extension office.



Silveiras Forbes 8088 won grand champion bull at the 2021 Western National Angus Futurity (WNAF) Super Point Roll of Victory (ROV) Show, April 18 in Reno, Nev. Chris & Sharon Sankey, Council Grove; Silveira Bros., Firebaugh, Calif.; and Rockin S Ranch Inc., Riverdale, Calif., own the April 2018 son of Silveiras Style 9303. He first claimed senior champion. Brett Barber, Channing, Texas, evaluated the 113 entries. Photo by Katie Colyer

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### **REAL ESTATE, ANTIQUES, HOUSEHOLD, TOOLS, VEHICLES & MORE AUCTION**

SATURDAY, MAY 15, 2021 — 10:00 AM LOCATION: 605 Calhoun Street — LOUISVILLE, KANSAS 66547 \* LUNCH! Directions: Turn East on Hickory St. in Louisville & proceed 2 blocks to Calhoun St.



REAL ESTATE WILL SELL AT 12 NOON: This charming 3-bedroom 2-bathroom home sitting right inside Louisville offers a large lot with outbuildings and a short drive to Wamego or the county seat Westmoreland. A 2009 build, this house should require little updating as well as be a great potential rental property or a good starter home. We will also be selling the garden shed, it measures approx. 8'x15'.

VEHICLES: 2002 Dodge Durango (excellent condition), 234,281 miles on odometer. MOWERS: Poulan Pro rider mower, Craftsman Zero turn mower, Poulan rider mower, Troy Built 42" mower,

FURNITURE: Dining room table & 4 chairs, Sansui flatscreen TV, step ladder, bookshelves, end tables, nightstand, leather recliner, Sanyo flatscreen TV, coffee/end table set, hutch, high top table & 2 chairs, full bed, Sentry fire safe, *much* much more not listed!

HOUSEHOLD & ANTIQUES: Cowboy figurines, animal figurines, horse table lamp, flower vases, candy dishes, Headboard/Dresser bedroom set, GE washer, dryer set, electric sewing machine, Tupperware dishes, measuring cups, RIVAL meat slicer, cups, electric hand mixer, kitchen utensils (spatulas, knives, & more), pots and pans, **Pfaltzgraff** dishes, flatware, jar opener, whisks, knife block, luggage dolly, galvanized bucket, aluminum walker, Washer Ringer, wood burning stove, live traps, tomato cages, milk cans, Marseilles Works Corn Sheller, johr , pickup bed trailer, Western Flyer wagon, much much more not listed! TOOLS: boxcutters, misc. sockets, misc. wrenches, chalk line, misc. painting sup-plies, KOBALT tool kit (impact, Dremel, air hammer & attachments), roto tiller, gas cans, Briggs & Stratton 5,550-watt generator, large step ladders, sledge hammers, sharp shooters, square head shovels, hoes, post hole jabbers, crescent took kit (sockets wrenches, extensions etc.), screw drivers, Craftsman 2-1/8hp skill saw, oilers, Black & Decker Angle Grinder, Craftsman Chain Saw, table saw

bolt bin, McCall's cabinets, extension ladders, vise grips, files, crow bars, misc wires, roto zip, filter wrenches, jumbo wrenches, *much much more not listed!* 

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AUCTIONEER'S NOTES: Raymond and Joleen were long time members of the Louisville community and have accumulated a wealth of items over the years leaving you the opportunity to purchase some fine items right here in Louisville KS.



# New biodiesel research findings indicate health benefits

A new study demonstrates switching to biodiesel results in a number of significant health benefits such as decreased cancer risk, fewer premature deaths and reduced asthma attacks.

The fuel research, conducted at 13 sites in the U.S. exposed to high rates of petroleum diesel pollution, used well-established EPA air dispersion modeling tools coupled with health risk assessments and benefit valuations to assess the public health benefits and resulting economic savings of converting from petroleum-based diesel to 100% biodiesel, known as B100.

The research was sponsored by the National Biodiesel Board with support from the Nebraska Soybean Board, South Dakota Soybean Research & Promotion Council, California Advanced Biofuels Alliance, Iowa Soybean Board and the Wisconsin

www.hitchpin.com

Soybean Marketing Board, in addition to promotional support from the soy checkoff.

Biodiesel is a readily available, low-carbon, renewable fuel made from a diverse mix of resources such as recycled cooking oil, sovbean oil and animal fats. U.S. manufacturers rely on U.S. soybean oil as the primary feedstock for biodiesel, and it was the first domestically produced and commercially available fuel to meet the Environmental Protection Agency's definition of an advanced biofuel. Today, about 8 billion pounds of soybean oil are used in the production of conventional biodiesel. By 2030, it's estimated that an additional 8 billion pounds will be needed totaling 16 billion pounds per year, according to National Biodiesel Board.

"The soy checkoff is a longtime supporter of research and promotion for biodiesel to ensure it continues to be one of the most widely used renewable fuels on the market," said Pat Hobbs, United Soybean Board farmer-leader from Dudlev. Missouri, and National Biodiesel Board appointee. "Soybean farmers led the original development of the biodiesel industry to use excess soybean oil. Biodiesel made from soybeans uses only the oil portion of the soybean, leaving all of the protein available to nourish livestock and humans. Now, this new study shows how far-reaching the health and environmental benefits can be for people nationwide."

Researchers found that switching to 100% biodiesel in the home heating oil and transportation sectors would provide immediate community health improvements that can be measured in reduced medical costs and health care benefits, including:

Preventing 340 premature deaths annually.

A 45% reduction in cancer risk when heavy-duty trucks such as semis use B100, and an 86% reduced risk when biodiesel is used for home heating oil. Annually, about 203.000 fewer or lessened asthma attacks based on vehicle use of B100, and 17,000 fewer lung problems as a result of using biodiesel to heat homes.

Annually, 46,000 fewer sick days resulting from B100 use in heavy-duty trucks and home heating oil.

Avoiding \$3 billion in health costs each year as a result of switching from petroleum diesel to B100, driven largely by biodiesel's significant ability to reduce particulate matter emissions.

"We have always known that biodiesel offers a cleaner alternative to petroleum diesel," said Donnell Rehagen, National Biodiesel Board CEO. "This study quantifies the health benefits and shows that by using renewable fuels like biodiesel and renewable diesel, we are bringing positive change to people's lives, the nation's health and the economy."

The study considered the economic cost of premature deaths, asthma cases, reduced activity due to poor health, and work impacted due to sick days. For example, researchers found the communities surrounding the Port of Los Angeles/Long Beach would avoid about \$1.69 billion in health costs due to improved air quality in the form of reduced premature deaths and health care costs and increased productivity.

Although these numbers represent findings from just 13 sites and communities, they are truly the tip of the iceberg. B100 can achieve these benefits by reducing pollution from markets that are hardest to decarbonize: heavy-duty transportation and residential heating.

"Saving lives by reducing the health impacts of transportation and home heating fuels is a priority, and biodiesel is widely available today to achieve that goal," said Rehagen. "These immediate and substantial emissions and health benefits can be an important part in any state, regional or national climate program as our nation moves toward decarbonization through advanced alternative fuels like biodiesel and renewable diesel The immediacy of these potential health benefits, especially for disadvantaged communities, is even more critical when one considers the years it will take for

states to pursue deep electrification and other decarbonization strategies."

The study was conducted by Trinity Consultants, which has over 40 years of experience conducting air dispersion modeling and related health risk assessments, among its many areas of expertise. Trinity operates 69 offices internationally and has performed air dispersion modeling for industrial facilities, utilities and government agencies.

### Kansas cattle on feed up 8 percent

Kansas feedlots, with capacities of 1,000 or more head, contained 2.48 million cattle on feed on April 1, according to the USDA's National Agricultural Statistics Service. This inventory was up 8% from last year. Placements during March totaled 490,000 head, up 42% from 2020. Fed cattle marketings for the month of March totaled 470,000 head, up 11% from last year. Other disappearance during March totaled 10,000 head, unchanged from last year.



benefits Grass & Grain



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NEW LOCATION: To be held at the National Guard Armory in Manhattan, KS

## **MORE INFORMATION COMING SOON!**

## **BUSINESSES, TO RESERVE YOUR BOOTH SPACE CONTACT:**



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Donna Sullivan gandgeditor@agpress.com Cell: 785-632-7001 Office: 785-539-7558

### University-developed U.S. animal disease Rock Creek Watershed **ID** system receives Tyson support

A national cattle identification system that was first developed at Kansas State University has received a big boost of support from one of the country's largest food companies.

Tyson Fresh Meats, a subsidiary of Tyson Foods Inc., is backing U.S. Cattle-Trace, a system that uses ear tags with ultrahigh frequency technologies to establish a national animal disease traceability system.

The system was first tested in 2018 as a pilot project led by K-State, the Kansas Livestock Association, the Kansas Department of Agriculture, the U.S. Department of Agriculture and individual producers.

At the time, university researchers were interested in developing a system to help safeguard Kansas' \$17 billion cattle industry. The idea was to garner support among producers, who would attach ear tags with ultrahigh frequency chips. As cattle moved through the production system, researchers could

NACD Climate Action Task Force submits letter to USDA on climate solutions

On April 29, the National Association of Conservation Districts (NACD) Climate Action Task Force submitted a letter to the United States Department of Agriculture (USDA) in response to its request for comments on climate-smart solutions to mitigate the effects of climate change

'Climate-smart agriculture and forestry need significantly more government investment and action to meet the need of oversubscribed programs," NACD president Michael Crowder said.

In the letter, the task force provides suggestions to USDA on how to implement the Civilian Climate Corps (CCC), reiterating the association's ask for at least \$1.2 billion in Fiscal Year 2022 discretionary funding for Conservation Operations to bolster local technical assistance.

"Conservation districts and the original Civilian Conservation Corps collaborated on programs and projects to respond to the severe soil erosion issues of the Dust Bowl and can do so again today to respond to climate challenges," Crowder said.

The task force also emphasized building educational capacity and outreach, addressing the need for resources and funding to further develop educational and training programs for local partners. The letter emphasizes the strength of NACD's peer-to-peer Soil Health Champions Network, which unites producers who implement soil health management systems on their operations.

Among the numerous proposals provided by the task force, which addressed rural broadband, wildfire funding, biofuels, forest products, environmental justice and more, the letter emphasized the need to center climate-smart practices around the proven success of the existing conservation delivery model.

'Working through locally led conservation districts that have existing state legal authority to deploy resources in every community, especially those that are underserved, is the most efficient and effective way to deploy the proposed \$10 billion for the CCC," Crowder said.

Learn more about the Climate Action Task Force on NACD's website



collect data on their locations and movements on computers located centrally in Manhattan.

In the case of disease outbreak, knowing the movements of a given group of cattle - and what herds they may have interacted with - is a big advantage to keeping the entire industry from facing a shutdown. Having information on the movement of cattle herds would mean that only a small segment of animals would need to be isolated.

Tyson's support is a key indicator that the system is gaining momentum nationally. Located in Springdale, Arkansas, Tyson Foods Inc. is the world's second-largest processor and marketer of chicken, beef and pork. Its fresh meats division operates six beef plants across the United States.

"Attracting investments from outside Manhattan represents one way K-State is working to build economic prosperity in the community, region and state," said Beth Montelone, K-State interim vice president for research. "Tyson's support of this successful system that was developed at K-State demonstrates the universitv's commitment to fulfilling our land-grant mission to improve quality of life for all through education, research and outreach."

CattleTrace directly supports the beef cattle ranching and farming sector, which is the top employer in Kansas with the highest financial output.

"K-State's partnership in increasing economic development in the greater Manhattan region is a tremendous asset," said Jason Smith, president and CEO of the Manhattan Area Chamber of Commerce. "This new support for the beef industry in Kansas and potential for future industry attraction in this sector are excellent indicators for job growth in the region.'

"Animal health and disease traceability are critical issues for the meat industry and we're hopeful our involvement will help advance industry efforts to implement this program across the country," said Shane Miller, group president of Tyson Fresh Meats, in a news release from Tyson. "We believe CattleTrace can help to reduce the risk that animal disease poses to the U.S. cattle supply, while also protecting our industry's access to important export markets, which can quickly be compromised in the event of an animal health issue."

Brandon Depenbusch, the vice president of cattle operations at Innovative Livestock Services Inc. near Great Bend. was closely involved in the 2018 pilot project to test an animal disease identification system in Kansas.

'As leaders in the cattle industry, we are excited to see Tyson Fresh Meats' commitment to animal health and disease traceability in the United States," said Depenbusch, who now is chair of the U.S. CattleTrace board of directors. "We've heard from stakeholders across the country that in order for a producer-led system to succeed, buy-in amongst all sectors is needed. This commitment from a leader in beef processing shows that no matter where we come from in the cattle industry, we are all working towards a common goal of protecting our nation's herd and the highest quality, most sustainable beef product in the world.'

More information about U.S. CattleTrace is available online and in the spring 2019 issue of Seek magazine.

Dale Krouse, right, recently resigned from the board of directors of the Rock Creek Watershed District, after serving for 42 years, from 1979 to 2021. He was presented with a certificate of appreciation from board chairman Dennis Schwant at the April 20, 2021 meeting Courtesy photos



Also recognized was Julian Siebert who served from 1995 to 2021, resigning after 26 years.



FARM EQUIPMENT AUCTION SATURDAY, MAY 15, 2021 — 10:00 AM 8088 NE Hwy. 171 - PITTSBURG, KANSAS Directions: 1 mile East of 69 & 171 Jct (1/2 mile East of former Four State Farm show grounds) TRACTORS 2017 Versatile DT450, delta track, 750 hrs, bareback w/pto, deluxe cab, 4 remotes w/case drain, Raven autosteer, like new; 2010 Chal-

### lenger MT765 C, 2300 hrs, new tracks, C-9 Cat eng, Top Con autosteer, 5 remotes, power beyond & case drain. SPRAYER, COMBINES, HEADERS

2013 Miller Nitro 5275 sprayer, 100' booms, 1600 gal stainless tank 2200 hrs, Raven autoglide, Raven accu boom, Raven autosteer Raven Envision Pro XL, new floaters & tall skinny's; 2012 Lexion **760TT** combine, 2,693 sep hrs, 4,166 eng hrs, C-13 Cat, 4wd, new tracks, Ag Leader Integra, Ag Leader GPS 6500 auto steer, good cond..; **2010 Lexion 595R** combine, 2,090 sep hrs, 3,035 eng hrs, 4wd, excellent cond.; 2015 Lexion 18 row 20" corn hd, auto contour knife rolls, row sense hyd deck plates, good poly, excellent cond.; 2010 Lexion 18 row 20" corn hd, auto contour, knife rolls, row sense hyd deck plates, good poly, good cond.; 2010 Clarke custom built cornhead, 600 series JD row units, 18 row 20", JD poly, hyd deck plates, knife rolls, headsight auto hdr height control, headsight row sense, Lexion adapter & hookups; 2014 Macdon FD75 45' flex hd double knife drive, Lexion adapter, drapers & rollers in excl cond.; 2014 Lexion Maxflex 1200 flex hd; 2013 Lexion F1050 flex hd; 2011 Lexion Maxflex 1200, 40' flex head, double knife drive, good cond. (2) 2013 BBK 42' header trailers, 7k# tandem axles, elec brakes; 2013 BBK 37' header trailer, 7k# tandem axles, elec brakes. TRUCKS, TRAILERS 2005 International 9200i semi sleeper, Cummins 15L QSX, 500 hp, 10 spd, less than 30k on complete overhaul; 2002 Kenworth T2000 semi sleeper, 3406D Cat super 10, new engine & trans, 10 spd; **1993** International 9400 semi, day cab, N14 Cummins, 400 hp, 9 spd good rubber, 617k actual miles, excellent cond.; 1993 International 9400 semi, day cab N14 Cummins, 400 hp, 9 spd, excellent tires, excl cond.; 1998 IH 4700 service truck, 7.3 powerstroke, Allison auto, compressor. 960 gal tank w/pump; 2010 Ford F250 superduty, 4x4, XLT premium package, silver; 1995 Ford F350 flatbed, 7.3 powerstroke 5 spd, 140k miles, good cond.; 1991 WHGM Volvo WCM64T semi, 3406B Cat, 9 spd, 4:10 gears, day cab; **2010 Timpte** 42' grain trailer; **2018 Starlite** gooseneck trailer, 25', ramps, super single tires, used very little; **1996 Great Dane** box trailer w/hyd lift gate.

### Page 21 **District board members resign**

**REAL ESTATE 8** 

PERSONAL PROPERTY AUCTION SATURDAY, MAY 15, 2021 \* 9:00 AM TRACTOR & DURANGÓ SELL @ 12 NOON AUCTION LOCATION: 4292 Flint Rock Road - WAMEGO, KS

TRACTOR & AUTO: 2013 Dodge Citadel Durango, V8 Hemi, 5.7 liter, Auto 6-SP w/ OD, RWD, 4 Brand New Tires, Heated seats, Leather, DVD, Remote Start, Bluetooth, Towing Package, 163,000 mi,; **8N Ford** Tractor (repainted/sharp) NODERN TOOLS/SHOP



Washboards; Egg basket; Wood block and tackle; Cistern pump; Ford wrench; Ice tongs ; Milk cans; Copper boiler tank; Milking stools; child's school chair; Wood ladders; 3 gallon crock; Doll rock license plates: Army gas can Metal lawn chairs; Farm toys; Mr Potato head; Tinker toys; Cooper feed vest: International harveste jacket; Vermeer vest; LP records J&G Meek & Manley China; lots of misc. glassware; cast iron buf falo bank: linens; vintage lamp buttons; old records; K-State desk chair; Flatware; China (Pelite Bouquet): linens: Pink depression; Carnival glass; Ger man & misc. crystal; Silver pitch er & misc items; McCoy pottery Milk bottle; Kerosene lamps; Re frigerator dishes; Corelle dishes K-state glasses; Egg scale and MUCH MORE! FURNITURE: Plant stand; 5 drawer dresser; Wood cabinet Barstools; Dropleaf table with 2 chairs; Red desk; Metal two drawer filling cabinet; Fireplace insert cover; Corner mantel; L.G Washer & L.G. Dryer (w/pedes tals); chest deep freeze; Ken more model 54 sewing machine deep fryer (new); Magic Bullet sm. kitchen appliances; Nu Step TRS 4000 recumbent cross trainer; console record player; coffee table & 2 end tables (matching); book shelves; buffet: full size headboard & frame dresser w/mirror; 3 drawer chest 1/2 round table; brass floor lamp desk lamp & others; sm. folding table; dining tables; bedroom set 13"TV; patio bistro set; computer desk; couch; hospital bed; silver bed frame: magazine table: mag azine rack; Samsung TV; Walnu hutch; Dresser w/3 beveled edge mirrors; modern dresser. MISC .: Jewelry; box of coil roof ing nails; fishing poles; tackle boxes w/contents; coolers; water feed bed; (4) semi dolleys jugs; 7 up cooler; plastic crates & totes; Play Station 1; Play Sta tion arcade; toys; dolls; child's chairs: McDonald's toys: lots o decorations (Christmas, Halloween, Easter, etc.); straw bales (for crafts); wooden nativity pc. pictures; kitchen utensils; knives Tupperware; Pampered Che bread pan; blankets; material office supplies; c.d.'s; luggage tins; Brecknell digital shipping scale; canning jars; Hildebrand milk bottles: cookbooks: kitcher goods & appliances; vacuum cleaner; Bissell floor cleaner; & LOT'S MORE!

### PERSONAL PROPERTY AUCTION SATURDAY, MAY 8, 2021 - 10:30 AM

7640 NW Davis Road, ROSSVILLE, KANSAS

(Approx. 1 mi. North of Rossville to 62nd, then East 2 mi. to Davis Road and North 2 mi.)

REAL ESTATE (SELLS APPROX. AT 12:00 NOON) This Bungalow home was built in 1929, the home has 3 bed-rooms, living room, kitchen/dining room and a full bath. This tract contains a total of 15.64 acres. This property located just north of Rossville and 30 minutes from Topeka has lots of potential. STATEMENTS MADE DAY OF AUCTION TAKES PRE-CEDENCE OVER ANY OTHER INFORMATION.

To view property contact Nicole Gannon Wright, Sales Agent: 785-341-0412 or Thummel Real Estate and Auc tion, LLC: 785 243-1908

\*\*PERSONAL PROPERTY: Guns, 1950 Ford Custom 2-Door Sedan, 4 Wheeler, Zero Turn Mower, Tractors, Trailer, Tools, Generator, Household, Collectibles

See April 20 Grass & Grain for listings & Complete Details! JEANNINE DODDS

**GANNON AUCTIONS** BOB THUMMEL, Broker • NICOLE GANNON WRIGHT, Agent 785-341-0412 • MANHATTAN, KANSAS • 785-539-2316 www.gannonauctions.com

### "BOBBIE" BERG ESTATE AUCTION ROBERTA SATURDAY, MAY 15, 2021 • 10:00 AM

2248A ZZ Rd., STRONG CITY, KS. At Saffordville Community Bldg

From Emporia, West on HWY. 50 about10 mi. to ZZ Rd. (there is a Saffordville sign) Exit the highway & go South across the railroad to the old school; Or from Strong City, East on Hwy. 50 about 7 mi. to Z Rd. & go South across the railroad to the old school.

NOTE: Roberta grew up in Emporia. The items for the auctior were mostly packed in new totes when I picked them up. The building and yard will be full. THIS IS MERELY A PARTIAL LIST ING. COME SEE WHAT WE FIND!

#### FURNITURE

Fancy Oak parlor table; Antique school desk; 2 glass & iron doctor's cabinets; Harvest table; Wooden shelving; Marble top & heavily carved coffee tables. Patio furniture

### JEWELRY

There are about 10 large totes of jewelry from good turquoise to newer pieces

#### COLLECTIBLES

Union #10 crock jar; Underwood portable typewriter; Cast apple peeler; Cast cake molds; Cast toy cars; Buggy lamp; Pedal grind stone; Cast frame mirror

### 5 table lamps with stained glass shades; 1 floor lamp stained glass shades; Germany china Royal Vienna china; Mayett Finlandia china; Tea sets & demi's box wagon seat.

### ART

50+ pieces original art: paint ings, drawings, busts. About 10 totes of Art books. Many many totes of art supplies. TOOLS & OUTDOOR

Step ladder; Handled tools; Concrete deer yard art. MUCH MORE!!!

Come see what we find!

### Check website for photos & updates www.hancockauctionandreal

TERMS: Cash or approved check day of auction. Credit cards accepted with 4% fee. Inspection day of auction only. Remove all items day of auction. SOCIAL DISTANCING APPLIES. Stay home if you are sick!



OUTDOOR ITEMS: Pry Bars; Break over bar:Torque wrench: Craftsman right angle grinder; Makita Right angle grinder; Impact wrench; Exide Battery charger; Chicago Drill press;6 12V Battery charger; Extension cords; Hydraulic tips; Battery Cable; Torch kit; Aluminum Extension ladder; Squares; Sander; Lawn cart; live animal trap; alider: Rubbermaid water tank Coleman air compressor; Gas cans; Funnels; Hitch pins; Clevses; Fence charger; yard tools; Bottle jacks; Floor jack; Car ramps; Handy man jack; Jack stands (lots); Rock bars; Log chains; Come a longs; Poulan chain saw; Chain hoist; Propane bottle: Tool chest: Lantern: water heater. Post driver: t-posts: 3-point hay mover; chemical totes; skinning knives; misc ammo; manual push mower; gearbox; Craftsman weedeater; Craftsman chainsaw; DR trimmer; fishing poles & tackle box-es; Tool Shop 10" compound miter saw; tool box w/tools; 6 gal. shop vac; Genie shop vac; big belt sander; patio set (table w/4 chairs); patio umbrella; King Griller Grill; LOTS OF HAND TOOLS & TOOLBOXES!

ANTIQUE TOOLS: Level; Brace oits; Wrenches; Oil cans; Rail road jacks; 100 lb anvil; Scythe; Farriers nippers; Lg. & Sm Ammo boxes (lots)

PRIMITIVES/COLLECTIBLES: Deer antlers (~20 sets); Moline Tractor seat; Misc other metal ractor seats; hub caps; Galvanized buckets, wash tubs, chicken feeders etc); Railroad iron; Sewmor sewing machine in cabinet; Singer model 15 sewing machine w/case; Singer machine w/cabinet; Seamstress Grand treadle sewing machine; Metal trunks: Sad irons: Seed, feed & mplement memorabilia (jackets, signs, etc); Antique tins; Remo banjo; Antique banjo & parts; violin; Jack Ass Cigarette dispenser; trunk; Scales; Radio Flyer wagon; Glass chicken waters; Misc glass pop bottles; Gran-iteware; Frost king ice cream maker; Butter churn crock ; Superlectric fan: Metal milk crates lots); Coca cola bottle carrier; Paul's lantern; Antique oil cans;

Check us out on Facebook & Online for more info www.kscrossroads.con www.facebook.com/KScrossroadsauctions Crossroads TERRI HOLLENBECK, Broker/Owner, 785-223-2947

ANDREW SYLVESTER, Auctioneer, 785-456-4352

BILL DISBERGER, Auction Coordinator, 620-921-5642



### **SHOP ITEMS & MISC**

Titan 8500M gas generator, Titan 7500 diesel generator, Graco 190ES indust airless paint sprayer, Industrial sand blaster, Lincoln wire welder & cart, vertical grain bin auger system, (3) pickup fuel tanks w/ box, 50 ga firefighting unit, gas powered air compressor, new spool ½" sprayer hose, several truck tool boxes, (2) cushion hitches, JD weights, GTA monitor, 100k lb tow rope, cat 3 narrow quick hitch, (2) 100lb propane bottles cherry picker, spray valves/parts, new & used bolts, sockets, wrenches ratchet straps, cylinder stops, monitor/gps wiring, shelving, old milk cans log chains, several large tarps, chemical shuttles, 3 pt boom, JD weight lots semi tires & wheels, new fuel tank fuel filters, Raptor points 2000 5.5' T posts, (4) 20' new lvstck gates, (2) 12' gates-new, (4) 16 gates-new, barb wire, (3) small grain bins to be move, & much more misc. **TERMS:** Cash or good check. Picture ID w/registering. Nothing removed until settled for. Not responsible for accidents. Refreshments and restrooms available. AUCTIONEER'S NOTE: Clean line of equipment that has always been maintained and shedded.

### OWNER: JCB FARMS

AUCTIONEERS: Humble Real Estate & Auctions Donnie Humble, Girard, Kansas • 620-724-0099 Bud Humble, Girard, Kansas • 620-724-8364

See Pics at: www.humblereal.com

### POLARIS, MISC EQUIPMENT

2020 Polaris Ranger XP1000, 320 miles, large tire package, power steering, like new; 2016 Landoll 6250-50 disk, 7" spacing, 24" blades, dbl rolling baskets, hyd fire/aft, excl cond.; 2005 TerraGator w/2009 3020 G4 New Leader bed, roughly 4k hrs, less than 200 hrs on complete rebuild, Raven controller, Outback autosteer; 2009 Brandt Grain Vac Model 5000EX, folding auger, new fan/bearings/grain screen, excl cond.; 2000 Lull telehandler, 6,000#, 36' reach, great cond.; 1998 JCB Loadall 506 C telehandler, 6,000#, 36' reach, good mechanical cond.; 2012 Landpride RC3615 mower, almost new 1997 Rhino SR15 15' rotary flex mower, new blades; 2007 Bush Hog 297 rotary cutter mower, 7', 3 pt; 2015 Outlaw XP Bad Boy mower, 72" deck, 31hp Kawasaki, suspension seat; Smith 100 CFM portable air compressor, V8 gas engine; 40' shipping container.

-Consigned by neighbor: Riggin Farms-2011 Case IH 8120 combine, 2,096 sep hrs, 3,040 eng hrs, 4wd, auto steer, gps; 1996 9330 Case Steiger tractor, 3,745 hrs, bareback, pto, 480/80R38 duals; 2013 FD 75 MacDon 40' flex hd, dual dr sickle, slow trans system, sickle reverser kit; 2012 FD 70 MacDon 40' flex hd; Case IH 3412 corn hd, 12 row, 30", hyd deck plates; (2) Case 30' rigid headers; (2) Befort 2870 fold-up header trailers (one triple axle, one w/dual tandems); **2001 Ford F250** crew cab, 7.3 powerstroke,4wd, automatic, flatbed w/hay spear, 310,078 miles; 1999 Ford F350 service truck w/Knapheide bed, fuel tank, 2wd, 5 spd 7.3 powerstroke; 1991 Ford F350, 7.3 powerstroke, 4wd, 5 spd, DewEze bed, 285k miles; 1993 Ford F350, single whlbase, 4wd, crew cab, 7.3 powerstoke, 5 spd, <10k on overhaul; Mabar 1000 bu hopper grain trailer; 1980 Freightliner 10 wheeler w/dump bed, 13 spd; 1974 American cattle pot; (2) homemade grain cart trailers (one triple axle, one double axle); 3T tandem axle hopper trailer; hay feeder on wheels; Deweze

### Grass & Grain, May 4, 2021 Page 22 Study: land values, irrigation needs increase when ethanol plant opens

**By Pat Melgares** Kansas State University agricultural economists have found that the growth of ethanol plants in the state over the past 20 years has had an impact on irrigation and land values.

Gabe Sampson, an agricultural economist with K-State Research and Extension, said that during the past 20 years, Kansas has seen an increase from three ethanol plants to 12, boosting the state's capacity from 40 million gallons produced per year to more than 500 million gallons per vear.

In a study of that growth, Sampson and his colleagues found that when an ethanol plant opens, irrigated land values within a 30-mile radius go up by 9-10%, and non-irrigated land values improve by 5-6%.

But growth in the ethanol market has also put greater demand on water resources since corn is the staple fuel stock for production in Kansas. Corn also is the most water intensive crop grown in the state

"The two questions we were most interested in is whether the ethanol market growth in Kansas has affected irrigated water use through incentivizing corn acreage, and what has been the effect on irrigated and non-irrigated land values." Sampson said

The researchers studied 23,000 irrigated fields in Kansas over a 15-year period (2003 to 2017).

"We looked at irrigated fields in the neighborhood of an ethanol plant (within 30 miles) and we compare irrigation water use before and after the plant opened relative to water use for fields outside the neighborhood," Sampson said

"We find pretty clear evidence that irrigation water use does increase for a field when an ethanol plant opens up," he added. "We find that for a 10% increase in ethanol refining capacity in that neighborhood, total irrigation water use increases by about five acre inches per field per year, so that's about a half of an acre foot per field per year."

That's a significant

amount of irrigated water dedicated to ethanol production: "If we tally the cumulative effects over the past 15-20 years of ethanol market expansion, we predict that the cumulative effect on water use is about 4% per year currently," Sampson said.

The tradeoff of increased irrigated corn acres, he added, may be the decreased irrigated acres of two other water-intensive crops: soybeans and alfalfa.

Regarding the research team's findings on land Sampson said values, "There's nothing inherently wrong about land values going up.'

"But there's two points I would make: The value of land is often times the

largest component of a producer's wealth, so any factor that is affecting land values is important from a policy perspective because it's affecting producer wealth.

"The second point is if ethanol market expansion is being supported by government policy and subsidies spent on fuel mix mandates and things like that, then to the degree to which land values go up due to ethanol market expansion, those land values staying high might depend on continued government support for those policies going forward. If those policies go away, one might be concerned there would be a corresponding drop in land values."

search findings will be used to inform agricultural policy on groundwater in arid and semi-arid states, such as Kansas.

"If we continue to see ethanol market expansion in these arid and semi-arid states, there might be concerns about added stress placed on socially valuable groundwater stocks," he said. "It's something we need to take into considerations when we're evaluating these bio-energy policies."

Sampson said the research will be published later this summer. Updated information on a variety of agricultural economics topics is also available online from K-State Research and Extension.

Sampson said the re-

### Certified Angus Beef® Cook-Off is back and better than ever prepare a beef dish to be paired with a skit that both

Calling all chefs, grill masters and beef lovers — the famous American Angus Auxiliary-sponsored All-American Certified Angus Beef® Cook-Off is back and better than ever! In addition to the annual Certified Angus Beef® Cook-Off contest and the Certified Angus Beef® Chef's Challenge, there will be a third division, the Certified Angus Beef at Home contest. The All-American Certified Angus Beef® Cook-Off and the Certified Angus Beef® Chef's Challenge are to be hosted on July 13, 2021. in conjunction with the Grandest Show at the 2021 National Junior Angus Show (NJAS).

The purpose of all three of these contests is a chance to display participants' knowledge of the beef industry and cooking skills in an educational, competitive and fun way. Among junior teams in particular, the Cook-Off has fostered a cooperative spirit. The Cook-Off is an excellent way to educate and entertain nonparticipants, while promoting the ultimate end product - the Certified Angus Beef® brand.

'We are so excited to be back in action this year with our annual contests, as well as the Certified Angus Beef® at Home challenge for round two," said Anne Lampe, American Angus Auxiliary Beef Education Committee co-chair. "The Cook-Off is a favorite contest at the NJAS, and we can't wait to see the competitive spirit exhibitors bring this year to Grand Island!"

#### All-American Certified Angus Beef® Cook-Off Contest

This beloved contest is an annual opportunity for state associations to gather their best recipes and to

Kansas (RTK) opened its 10th annual photography contest on May 1. The contest will be open to professional and amateur photographers of all ages. Photographs entered will showcase the natural

grazing lands across the state. The competition offers Kansans the chance to explore and capture the many activities, seasons and faces of Kansas' ranching tradition.

Photos submitted to

entertains and educates the audience. The cuts selected for the contest this year are as follows: the steak division is top sirloin, the roast division is tri-tip, and the other category is ground beef and will be the Ultimate Burger Grill-Off. The contest will be divided into three age categories:

8-13; 14-17; and 18-21. All ages will be determined as of January 1. Mixed teams may be entered but will be classified by the oldest member of the team. Entries are due May 15 and can be made on the American Angus Auxiliary website.

The Certified Angus Beef® Cook-Off contest will be judged by a panel of individuals. Winners in categories in showmanship and recipe, as well as overall excellence will be awarded special prizes. There will be steaks, roasts, and other beef item categories. There will be divisions for NJAA member teams (two to six members of a state junior Angus association). There will be an overall winner announced at closing ceremonies.

### **Certified Angus Beef® Chef's Challenge**

The American Angus Auxiliary-sponsored Chef's Challenge contest began in 2010 as a venue for adults and older NJAA members to challenge their cooking and grilling skills using CAB and secret ingredients provided by the contest. The contest is judged based on technique and preparation, as well as the use of CAB and the secret ingredients; taste; originality and plating.

14-21. The contest will be hosted at the National Junior Angus show in Grand Island in conjunction with the Cook-Off. Pre-entry is required by May 15.

#### **Certified Angus Beef® at Home Contest**

Last year, the American Angus Auxiliary shifted the normal Cook-Off contest to a virtual version to accommodate for pandemic guidelines. Contestants were tasked to produce a video presentation inviting consumers to their ranch, farm, home, table, kitchen, backyard grill or a combination of these locations to tell the Certified Angus Beef® story to consumers and present their recipe or dish. After the contest's success, it was decided that the at-home video contest should become a permanent contest addition.

NJAA members ages 8-21 (as of January 1, 2021) and their immediate family members are invited to participate in the CAB at Home Contest. Entries in the contest may consist of a single NJAA member, sibling team or team consisting of NJAA member(s) and family. NJAA members who participate in the CAB at Home Contest are also eligible to participate in the Cook-Off or Chef's contest at the NJAS.

Pre-entry for the Certified Angus Beef® at Home Contest is June 10 and the deadline to submit the video is June 24. To enter, please visit the American Auxiliary website, here. For questions about any of the contests, contact Anne Lampe at 670-874-4273 or amlampe.al@ gmail.com or Anne Patton Schubert at 502-477-2663.

### This contest is for adults and NJAA members ages **Ranchland Trust of Kansas launches tenth annual photo contest** Ranchland Trust of beauty of ranching and the contest should express

the mission of RTK: "To preserve Kansas' ranching heritage and open spaces for future generations through the conservation of working landscapes." Participants may enter up to five photos. The contest

will be open through the summer and close on August 31, 2021.

RTK is happy to announce a new partnership with L'image in Wichita. L'image will sponsor the photography contest this year. The locally owned

photo printing and picture framing store in Wichita has been in business over 25 years, specializing in their ready-to-hang plaque mount. They also offer image mounting, metal prints, laminating, canvas gallery wraps and traditional framing. They are in the business of making the artist or photographer look their best.

Photo contest entries will be judged by a panel of professionals in the field of photography and by representatives of RTK and the Kansas Livestock stock Association member

fan favorite via Facebook voting and one honorable mention.

All prizes will be provided by L'image of Wichita. L'image will award all 10 category winners an 8x 10" plaque mount of their winning photo. The grand prize winner will receive their choice of an 11x 14" canvas or metal print of their winning photo.

Samantha Weishaar, RTK associate director, said. "John and his team at L'image will be great to work with and we are excited for new opportunities. RTK is very grateful for their sponsorship and

For full contest rules and to enter, visit www. ranchlandtrustofkansas. org and find Photo Contest on the News and Events

**KEY FEEDS CATTLE MINERAL SALE:** Feb. 1 - May 15, buy 20 bags and get 1 bag free! Order by May 15 and ship by May 28 for free bag special

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<u>3 choices of fly control:</u> Altosid, Justifly or Rabon.

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### Grass & Grain, May 4, 2021 Page 23 KFB's Foundation for Agriculture awards \$23,500 in scholarships

Each year Kansas Farm Bureau's (KFB) Foundation for Agriculture awards scholarships to college students studying in fields that benefit agriculture and rural Kansas. Thirty-nine recipients were awarded \$23,500 in scholarships for the 2021-22 school year.

Over the past decade, the foundation has awarded more than \$300.000 in scholarships.

"We're investing in students today to ensure they become tomorrow's leaders," says KFB president and Foundation chair Rich Felts.

Emily Glenn, Finney County, was awarded \$1,000 for the Frank and Helen Bernasek Memorial Scholarship, a permanent, privately endowed scholarship fund.

Sydnee Shive, Sedgwick County, received \$1,000 for the K-State Agricultural Communications and Journalism Scholarship.

Cara DeTar, Montgomery County, is the winner of the \$500 Godfrey and Emma Bahr-Miller Memorial Scholarship, a permanent, privately endowed scholarship fund for students attending a college in Kansas and majoring in a subject related to agriculture.

Kaitlyn Urban, Miami County, was awarded \$500 for the DeWitt Ahlerich Memorial Scholarship, a permanent, privately endowed scholarship fund. Five students received

scholarships to Kansas rolled at Fort Hays State lege technical colleges. They are Sophie Gerstberger, Wichita County; Austin Patmon, Sheridan County: Seth Ohl, Sumner County; Stuart Rose, Phillips County; and Blaine Whipple, Finney County.

Four \$1,000 KFB scholarships were awarded to juniors and seniors enrolled in Kansas State University's college of agriculture and majoring in a subject related to agriculture. They are Hope Aufdemberge, Riley County; Garrett Craig, Clay County; Kinsey Griffith, Trego County; and Max Harman, McPherson County.

Two \$1,000 KFB scholarships were awarded to juniors and seniors enUniversity. Recipients are Caleb Hinck, Wabaunsee County, and Andrea Menard Edwards County

Twenty-four recipients received \$500 scholarships. These students are attending a Kansas college with a Kansas Farm Bureau Collegiate Farm Bureau chapter. Students must be a Collegiate Farm Bureau chapter member.

Recipients include: Butler Community College

Shelby Henley, Sedgwick County

Shelby Varner, Butler County

Cloud Community College

Abigail Petersen, **Cloud County** 

Colby Community Col-

Regan Hodsden, Scotts Bluff County, Nebraska Fort Hays State Uni-

versity Blake Selensky, Gove

County

Fort Scott Community College

Kyleigh Davis, Ada County, Idaho

Guadalupe Rico, Palo

Pinto County, Texas Hutchinson Communi-

ty College

Morgan Carmichael, Reno County

Laura Doll, Sedgwick County

Macy Hoskinson, Reno

County Sarah Sergeant, Coffey

County Kansas State Univer-

sity Leah Bienhoff, Smith McCabe, Reno

County

County

County

Seth Yenni, McPherson

your herd's PI status? ersistent infection

By Wendie Powell, livestock production agent, Wildcat Extension District

Calves with respiratory problems, cows that naturally terminate calves early, deformed calves and scours are just a few of the signs that a cow-calf producer may have Bovine Viral Diarrhea (BVD) circulating in the herd. Though diarrhea is part of the name. BVD presents itself in many ways. This unique virus impacts cattle of all ages. through multiple body systems, but other species will not be affected.

The major source of the virus comes from persistently infected cattle in or around the herd. Sometimes these persistently infected calves, often referred to as PIs, will appear healthy and may or may not thrive. These calves were actually infected during gestation. If the infected fetus survives to birth, they will continually shed the virus, and expose other animals. Fetal exposure happens when the pregnant cow has been in contact with a persistently infected calf. The cow may recover from the virus, but the fetus will not. Consider this scenario "infect and persist," quite a frustrating cycle.

The other way that BVD propagates is like a "hit and run," common with stockers or feeder calves. An infected animal will either recover or perish within about a week. If the infected animal passes the BVD virus along to another animal before recovery or death, the virus survives. Logically, if the infected calf is restricted from passing the virus during recovery, the virus dies out.

Testing for BVD is fairly simple. An ear notch sample, taken at branding or as early in the calf's life as possible, is ideal. Using a pig ear notcher, collect about a dime-sized sample of the outer ear. This sample can be placed in a blood serum tube, with the calf's ID, and frozen until arriving at a lab. There are lots of places to get these samples tested; call your local vet or Extension office for details on lab locations. If you suspect Bovine Viral Diarrhea in your herd, it is important to work with a vet. All calves in the herd will be tested to start the process of protecting future generations.

When you do come across a persistently infected calf, it should be ethically disposed of. Placing these cattle back in the livestock marketing system, where they may infect other cattle, is irresponsible. Infected cattle should either be euthanized or fed in isolated pens and sent directly to slaughter.

To protect your herd from BVD, quarantine all replacement animals for at least twenty-one days to safeguard against temporary infection. During quarantine, test for PI status. Isolate all new pregnant cows until calving and test their calves at birth. It is important to test these calves before the dams are rebred to eliminate the possibility of producing more PI cattle. Vaccination can prevent or slow the "hit and run" version of the BVD virus that produces temporary disease. Vaccinating cows to prevent the infection of calves, and thus the birth of new PI cattle, is helpful but not 100 percent effective. Establish a tailored biosecurity and vaccination program, with advice from your veterinarian.

(620) 784-5337, wendiepowell@ksu.edu.

#### veedle size and hat: care recommendations

**By Lisa Moser** 

Anyone who's ever received a vaccination will verify that needle size matters. And that is true with cattle as well.

Kansas State University veterinarians Bob Larson and Brad White took up this topic on a recent Beef Cattle Institute Cattle Chat podcast.

"Many animal health products given to cattle to prevent or treat diseases are injected with a syringe and needle," Larson said.

"Selecting the correct size of needle to deliver injections under the skin or into the muscle is important to ensure that the products perform as intended and meet Beef Quality Assurance guidelines."

When it comes to needle selection for cows, he recommends using a 16or 18-gauge needle. The gauge refers to the diameter of the needle.

"An 18-gauge needle is actually smaller than a 16 and in calves we may go even smaller and use a 20-gauge needle," Larson said.

White added that the chosen needle size relates to the thickness of the animal's skin. He said, "Needle size also depends on the viscosity of the product that I'm giving.

Another factor is the needle length.

Larson said the recommended length of the needle is guided by the type of injection given, which is either under the skin or into the muscle. "With an under-theskin injection the needle length should be 5/8- or 3/4inch needle, and with an intramuscular injection the length is closer to 1 1/2inch needle," Larson said. He added that with calves the recommended length would be closer an inch.

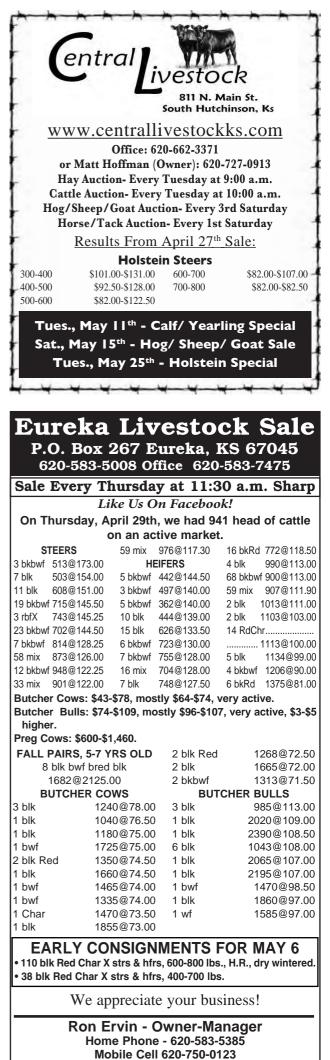
Lastly the veterinarians discussed the recommended frequency for changing needles. "One needle per cow is

ideal but depending on the

situation you could give up to ten injections with one needle," Larson said. He added that it is important to make sure the needle is sharp and clean to keep from causing trauma or

contamination

For more information on this topic Larson and White advised producers to review the information on the beef quality assurance website at bqa.org.



### Multi-stemmed brush species – roughleaf dogwood

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

While buckbrush is more commonly known to producers, another troublesome multi-stemmed species of concern in grazing lands is roughleaf dogwood. Reaching

er, roughleaf dogwood becomes very difficult to remove once it gets established.

Herbicide applications can be effective from the flower bud state through early seed production. Many common herbicide active ingredients have some activity - but seldom result in what we'd consider acceptable control. In fact, research with single active ingredient products like triclopyr or dicamba or picloram, even in combination with 2,4-D, seldom result in mortalities greater than 25 percent. Even 'good' control isn't great, with high volume treatments of multiple active ingredient products resulting in around 50 percent control. Single applications, even of multiple active ingredient products, likely won't eliminate roughleaf dogwood in a single year, instead requiring a multi-year effort, possibly in combination with prescribed fire.

Herbicides may damage desirable grasses under the right conditions and all of the herbicides above will do significant damage to desirable legumes and

other broadleaf forbs in forage stands. Always read and follow label directions prior to application. For additional information on rates/timings/products, request a copy of (or link to...) the 2021 KSU Chemical Weed Control Guide available through any Dis-

For more information, please contact Wendie Powell, livestock production agent,

lin County County

County

Molly Biggs, Shawnee County

Brandon Carp, Sedgwick County

Kayley Geesling, Reno County

Chad Hibdon, Franklin County

Holly Holthaus, Mar-

shall County Shyanne Jones,

Labette County Cale

County Sara Schlickau, Reno

Schultz, Zoe Gove

Katelynn Wilt, Reno

Isaac Wingert, Frank-

heights of up to 15 feet, it is often found in fence rows and along streams, first, spreading in to open areas as well.

Roughleaf dogwood comes on later than buckbrush, often not exhibiting its flat-topped clusters of white flowers until late May or early June. In native grass pastures where regular burning occurs, fire may have prevented it from even getting started. In cool season forage stands, or unburned warm season prairies, howev-

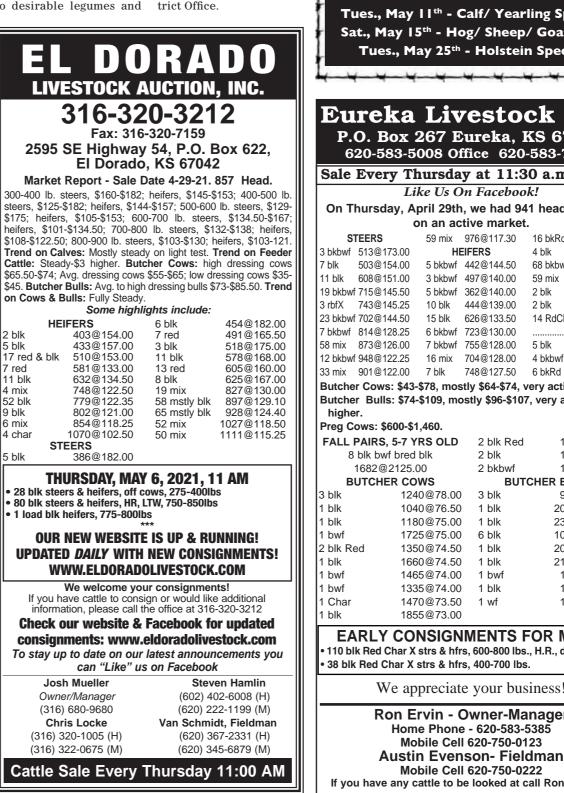
### Holton Livestock Exchange, Inc. 1/2 mile East of Holton, KS on 16 Highway Livestock Auction every Tuesday at 12 NOON \*\*\*\*STARTING TIME: 12:00 NOON\*\*\*\*

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	RECEIPTS: 1,429 CATTLE FOR FULL RESULTS, VISIT OUR WEBSITE:									
WWW.HOLTONLIVESTOCK.COM										
STEE	STEERS 17 blk rwf strs 759@129.50									
1 bwf str		12 blk strs								
2 blk strs		HEIF								
6 blk strs	442@191.00	1 blk hfr	265@165.00							
3 blk strs		1 bwf hfr								
6 blk bwf strs		7 char hfrs								
7 blk char strs		4 blk red hfrs								
7 blk rwf strs		10 rwf blk hfrs								
8 blk strs		4 blk hfrs	402@145.00							
13 blk char strs		18 blk hfrs	487@141.50							
7 blk strs		12 blk red hfrs								
5 blk bwf strs		10 red blk hfrs	484@138.75							
12 blk strs		5 blk red hfrs	549@136.50							
14 bwf red strs		7 blk hfrs	524@136.00							
12 blk char strs		26 rwf bwf hfrs								
18 rwf bwf strs	615@154.00	6 blk hfrs								
11 blk strs	636@151.00	6 blk hfrs								
18 blk strs		5 blk red hfrs								
17 blk red strs 9 bwf rwf strs		6 blk red hfrs	100@122.50							

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If you have any cattle to be looked at call Ron or Austin

### Page 24 Grass & Grain, May 4, 2021 Old lessons, new challenges; what we learned from the Dust Bowl

By Miranda Reiman. **Certified Angus Beef LLC** 

Imagine a life filled with dust. Inhaling, only to choke on dust. Eating it on every scarce bite of food. Seeing a dust outline on the bedding when you wake in the morning.

I've been reading accounts from the Dirty Thirties. I don't know if I'm drawn to the unimaginable awfulness of it all, or the amazing hope. Those of our Greatest Generation, who lived through the droughts and erratic weather, endured things I can hardly comprehend.

In high school history, we talked about the Dust Bowl as an era. A few pages in our textbook covered everything from economic to environmental ramifications. Without a longer lesson plan. I missed seeing the daily decisions people had to make. I didn't consider how families across the Plains met the impossible every morning when they got out of bed — each day, for years at a time — and yet, they kept taking the next step.

In winter and spring of 1935, "dusters" became more norm than anomaly. Homesteaders would awaken to find their car buried in sand. Venturing out afoot, they might become trapped and feeling for a way home as the blinding storm of dirt descended with little warning. Their meager houses, shacks or dugouts could not guard against the silt that filtered into living rooms, creating dunes on tattered rugs.

When the storms left. despite no relief from heat or hunger, they got right to work Faced with a mountain of sand, they picked up a shovel. With no grass left for their cows, they ground up tumbleweeds and salted them. When the tractors were buried, they turned back to mules.

It's probably the most visual example I've had of a group of people not paralyzed by the enormity of the task at hand. They just dug in.

In a broader context, people of the Dust Bowl were slowly getting a handle on the need for planned land use by locality. What happens when you turn over millions of acres of native sod without

soil or climate records, and persistent crop failures leave the land bare? The terrible answer was upon them at the very same time that they desperately needed to fix the problem. They had to take some kind of action while still learning what the best action would be.

More recently, the beef business had one of those wake-up calls - the one everybody still points to at industry meetings and in columns like this: the downturn in beef demand. We had to do something while still not fully knowing what that "something" should be. People with vision saw that, first, we needed to categorize the challenge. The National Beef Quality Audit (NBQA) was born and has served as a roadmap ever since.

I was probably learning about the Dust Bowl from Mrs. Miller about the time the NBQA became a regular topic of conversation in the industry, but I'd like to think nobody said, "It's impossible! We can't change this and turn beef demand around."

Instead, they decided

grassandgrain.com

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or online at:

to take collective action. That gives me hope as

we look at today's topics that seem huge, sometimes vague and always lingering. Take consumer trust, encompassing everything from animal care to land stewardship. There are things we're already doing

well and areas where we need to do better. I get overwhelmed trying to think of all the implications of every decision, and all the people and organizations with widely varying approaches on how to go about these things.

Do we need to tell our story, get some benchmarks, make changes? The answer could be all of the above.

Maybe it's time to do a little figuring it out as we go. Maybe it's just time to take the next step and dig in.

### KCA welcomes new Board of Directors

On April 16, 2021 the KCA Board of Directors seated newly elected board members Larry Kendig, Joel Ireland, and Gus Bartlett. Outgoing members included Greg Davis, Nicole Pfrang, and Andrew Miller. The election of new officers took place resulting with Riley Robbins being elected as KCA president. John Ney as vice-president and Joel Ireland as secretary/treasurer.

Larry Kendig started farming in 1968 with his father on the family farm, which his great grandfather homesteaded in 1870. He lives on that farm now, He started a cow herd as an FFA project in high school. Presently, he and his son have a 300-head cow herd and a small feedlot where they finish calves for a niche beef market. He and his son also operate 8,000 acres of owned and rented farm ground and pasture where they raise milo, corn, soybeans, sunflowers, hay, cover crops, and cattle.

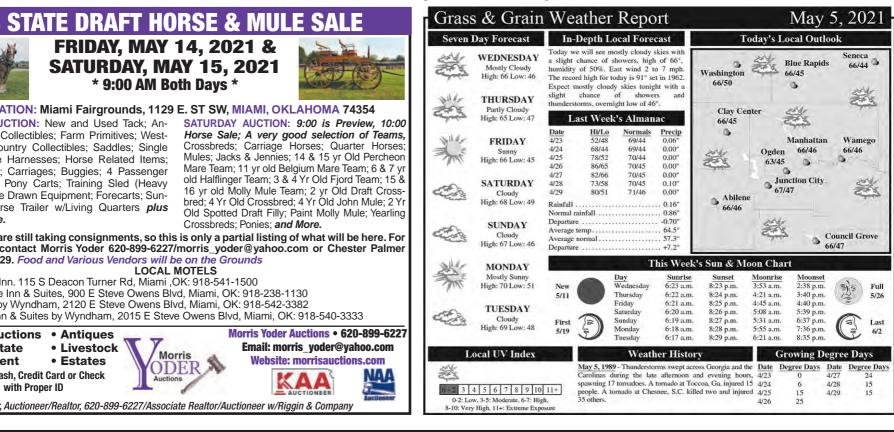
During the past 20 years, Kendig has worked with numerous individuals, companies, farm organizations, farm shows, conventions, and government agencies promoting the importance of agriculture at the producer and consumer level. He is especially interested in developing increased transparency in our agricultural markets.

Joel Ireland currently resides in Woodson County. He and his family operate Ireland Cattle. Joel also works as an independent representative for Ruma-Lic Liquid Feed and previously of the Yates Center Elevator.

Ireland has been involved with KCA for many years and has been a proud host of KCA regional meetings including a Beef Quality Assurance certification course in 2019. He would like to see the reinstatement of Mandatory Country of Origin Labeling and extensive reforms to the Beef Checkoff. Joel is the son of Bill Ireland.

Kansas native Gus Bartlett and his family have been long-time Kansas Cattlemen's Association members. After graduating from Fowler High School, Gus received an associate degree in Animal Science from Dodge City Community College, and then went on to study two more years at Kansas State University. He then returned to southwest Kansas to become co-owner of Double B & S Cattle Company.

Bartlett has working relationships with members of the Kansas legislature, because he understands the importance of accurate and meaningful representation of livestock producers, not only at the local level, but state and federal as well. As a long-time member, Gus has seen KCA aid generations before him, and believes the grassroots efforts of KCA are imperative to provide a successful future for independent cattle producers. Bartlett and his wife, Sarah (Rahjes) Bartlett, welcomed their first daughter in August 2020. Their new addition has created an increased importance to advocate for current producers and future generations.







Buyers & sellers are welcome in the ring area with social distancing being practiced. You can watch the live auction at www.dvauction.com . If you need assistance with watching or bidding online contact DV Auction customer service at 402-316-5460. Thank you for your cooperation. If you would like approval to bid online from the safety of your home, please do the approval process on www.dvauction.com prior to Tuesday.

	We sold 2132 cattle April 27. There was good				407 @ 157.00			1 blk cow	1685 @ 63.50		@ 1150.00
demand for s	steer and heif	er calves at s	teady prices.	2 blk hfrs	463 @ 156.00	COWS & HE		1 bwf cow	1190 @ 63.00	1 blk cow	@ 1085.00
Feeder steers	s and heifers v	were steady to	\$5.00 lower.	27 blk hfrs	435 @ 155.00	5 blk hfrts	778 @ 109.00	2 char cows	1088 @ 62.50		LF PAIRS
	Ils sold at ste		•	9 x-bred hfrs	347 @ 154.50	1 blk hfrt	860 @ 98.00	3 blk cows	1190 @ 62.00	2 blk cows/cvs	@ 925.00
				25 blk hfrs	533 @ 154.50	17 blk/bwf hfrts	817 @ 97.00	1 blk cow	1225 @ 61.00	3 blk cows/cvs	@ 900.00
	JLL CALVES	12 blk strs	550 @ 161.00	7 blk hfrs	474 @ 154.00	1 blk hfrt	895 @ 94.00	1 bwf cow	1025 @ 60.00	BU	
6 blk strs	378 @ 183.00	12 blk strs	576 @ 156.00	8 blk hfrs	490 @ 154.00	2 blk hfrs	913 @ 90.00	1 blk cow	1150 @ 59.50	1 blk bull	1990 @ 96.00
3 blk strs	387 @ 181.00	19 blk strs	591 @ 155.00	6 blk hfrs	382 @ 153.00	1 blk hfrt	880 @ 89.00	1 char cow	1045 @ 59.00	1 blk bull	2015 @ 95.00
8 blk strs	452 @ 180.00	17 blk strs	613 @ 150.00	49 bwf hfrs	487 @ 152.50	1 blk hfrt	915 @ 86.00	1 blk cow	1185 @ 58.50	1 char bull	1610 @ 94.00
23 blk strs	535 @ 179.25	10 mix strs	591 @ 145.25	5 blk hfrs	404 @ 152.00	1 blk cow	1015 @ 85.00	1 blk cow	1225 @ 58.00	1 blk bull	1885 @ 92.50
4 blk strs	460 @ 178.00	4 blk/red strs	615 @ 143.00	5 blk hfrs	475 @ 151.00	1 blk cow	1425 @ 77.00	1 blk cow	1010 @ 57.50	1 blk bull	1825 @ 92.00
4 blk strs	525 @ 176.00	55 blk/bwf strs	711 @ 141.25	5 blk hfrs	504 @ 150.00	1 blk cow	1515 @ 75.50	2 jers cows	1133 @ 57.00	2 char bulls	1483 @ 91.50
8 blk strs	432 @ 175.00	10 blk strs	661 @ 140.00	5 red/blk hfrs	496 @ 149.00	1 red cow	1840 @ 75.00	1 blk cow	1170 @ 56.50	1 blk bull	2120 @ 91.00
4 blk strs	428 @ 174.00	23 blk/red strs	663 @ 140.00	6 blk hfrs	524 @ 149.00	2 blk cows	1575 @ 74.00	1 red cow	1055 @ 56.00	1 char bull	1365 @ 89.00
4 mix strs	435 @ 174.00	10 blk/char strs	711 @ 138.00	8 mix hfrs	438 @ 148.00	1 blk cow	1520 @ 73.50	1 blk cow	1300 @ 55.00	1 blk bull	2075 @ 87.50
17 blk strs	450 @ 174.00	5 blk strs	673 @ 137.00	2 red/blk hfrs	393 @ 144.00	1 bwf cow	1325 @ 73.00	2 blk cows	1165 @ 54.50	1 x-bred bull	1255 @ 86.50
4 blk/char strs	488 @ 174.00	7 wf/bwf strs	711 @ 133.00	3 red/blk hfrs	467 @ 143.00	2 blk cows	1320 @ 72.50	BRED COWS	& HEIFERS	1 x-bred bull	1225 @ 84.50
8 blk/bwf strs	373 @ 173.00	55 red/blk strs	819 @ 131.25	2 blk hfrs	495 @ 141.00	3 bwf/blk cows	1200 @ 72.00	7 blk cows	@ 1385.00	2 x-bred bulls	1203 @ 84.00
8 blk/bwf strs	482 @ 173.00	53 blk strs	859 @ 131.25	5 mix hfrs	532 @ 139.00	1 blk cow	1410 @ 71.50	9 blk cows	@ 1210.00	1 blk bull	1845 @ 80.00
9 blk/red strs	416 @ 171.00	64 blk strs	844 @ 130.10			1 blk cow	1405 @ 71.00				
8 blk strs	487 @ 170.00	6 blk strs	834 @ 129.50	<b>STOCKER &amp; FE</b>	EDER HEIFERS	2 red cows	1375 @ 70.50	0.010			ATTA
5 blk/red strs	482 @ 168.00	26 blk strs	809 @ 128.00	6 blk hfrs	558 @ 147.75	1 blk cow	1520 @ 70.00	CONS	IGNMEN	rs for m	AY 4:
8 blk strs	496 @ 167.00	107 blk strs	845 @ 127.60	14 blk hfrs	560 @ 140.50	2 blk cows	1578 @ 69.50	• 1 JERSEY	NURSE COW	6 Yrs old 3 m	o fresh, has
6 mix strs	392 @ 166.00	44 blk strs	866 @ 127.50	3 blk/char hfrs	552 @ 139.00	3 bwf/wf cows	1185 @ 69.00				
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13 blk strs	403 @ 164.00	58 blk/red strs	932 @ 125.60	3 mix hfrs	592 @ 133.00	2 blk/bwf cows	1168 @ 68.00	• 20 blk strs	& b hfrs. 45	50-500 lbs., v	accinated
6 mix strs	392 @ 166.00	122 blk/char strs	901 @ 124.25	4 blk hfrs	608 @ 130.00	4 blk cows	1068 @ 67.50		•	•	
49 bwf strs	494 @ 165.50	59 blk/bwf strs	914 @ 124.00	4 bwf hfrs	636 @ 130.00	10 blk cows	1132 @ 67.00		•	-600 lbs., vac	
13 blk strs	403 @ 164.00	56 blk/bwf strs	912 @ 123.75	14 blk hfrs	668 @ 130.00	1 jers cow	1065 @ 66.50	• 85 blk strs	& hfrs, 450	-550 lbs., we	aned, vacc.
6 blk strs	478 @ 160.00	60 blk/char strs	949 @ 123.00	5 blk hfrs	613 @ 128.50	1 blk cow	1380 @ 66.00	• 60 blk stee			, ,
6 blk/red bulls	454 @ 159.00	59 blk/char strs	962 @ 121.00	8 red/blk hfrs	654 @ 128.00	1 blk cow	1415 @ 65.00		•		
4 wf/bwf bulls	519 @ 156.00			91 blk/red hfrs	785 @ 122.75	1 blk cow	1320 @ 64.50	• 61 blk xbr	ed steers, 92	25-950 lbs.	
12 mix strs	300 @ 156.00	HEIFER		5 blk hfrs	842 @ 118.00	1 blk cvow	1110 @ 64.00	• 65 blk stee	ers 850-875	lhs	
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8 blk strs	496 @ 167.00	4 x-bred hfrs	211 @ 161.00			Auctions.	com				
8 blk strs	578 @ 163.00	13 blk hfrs	459 @ 158.00			-uctions.	COIII	• 135 bwf st	IS & IIIIS, 60	DU-800 IDS.	

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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