Service will conduct prescribed burns and fuel mitigation under the direction of a Type 3 Incident Management Team at the Quivira Council Boy

WEDNESDAY

Mostly Cloudy High: 26 Low: 14

Mostly Cloudy High: 33 Low: 21

FRIDAY

Mostly Cloudy High: 41 Low: 31

SATURDAY

High: 39 Low: 27

SUNDAY

High: 35 Low: 23

MONDAY

Cloudy High: 30 Low: 18

TUESDAY

Cloudy High: 31 Low: 19

0 2 3 4 5 6 7 8 9 10 11+

8-10: Very High, 11+: Extreme Expe

Seven Day Forecast

Grass & Grain Weather Report

2/21

Rainfall

Normal rainfall ..

Departure . . . Average temp

Scouts of America Camp.

In-Depth Local Forecast

Today we will see mostly cloudy skies with a high temperature of 26°, humidity of 62%. South southeast wind 10 to 13 mph. The record high temperature for today is 7° set in 2016. Expect mostly cloudy skies tonight with an overnight low of 14°. North wind 6 to 10 mph.

Last Week's Almanac

The Kansas Forest Service Incident Management Team will lead efforts to reduce the risk of wildland fire on the Quivira Scout Ranch at the 15th

0.03"

0.00

0.00

0.18

6:58 a.m.

6:56 a.m.

6:53 a.m.

Feb. 27, 1969 - A record snowstorm in Maine came to an Date end. Two to four feet of snow buried southern and central 2/15 Maine, with a state record of 57 inches reported at West 2/16

Mitigation Project scheduled for March 24-30, 2019 "The Hazardous Fuels

Annual Hazardous Fuels

Mitigation Project exemplifies the overall goals of

the wildland fire program

Today's Local Outlook

22/11

3

24/14

9

Abilene 26/15

Sunset 6:16 p.m 6:18 p.m

6:20 p.m

6:21 p.m

6:23 p.m

Blue Rapids

26/14

0

Junction City 29/15

Feb. 27, 2019

agencies throughout Kansas and the region; providing training for future and current firefighters; conducting on-the-ground fuels reduction through physical removal; and using prescribed burning to conserve and promote the native ecosystems of Kansas," said Rodney Redinger, incident commander for the project and assistant fire management officer focusing on training and operations for the Kansas Forest Service.

for the Kansas Forest Ser-

vice: collaborating with

Located about 12 miles north of Sedan, Quivira Scout Ranch experienced a wildfire in 2016 that damaged approximately 1,700 acres and another smaller fire in 2018 that burnt 800

"The council wants to protect our property for its intended use," said Warren McCoskey, vice president of properties for the Quivira Council.

During the mitigation project, firefighters will thin woodlands, build fire breaks, remove snags, conduct prescribed burning, and more to meet the conservation and fire-adapted landscape goals of the Quivira Scout Ranch.

As part of a partnership between KFS and Hutchinson Community College, the annual project offers HCC students in the Fire Science Program an opportunity for one-ofkind hands-on training.

"The mitigation project gives them the experience of an incident command structure and the demands of the career field," said Bobby White, HCC department chair and fire science coordinator.

Many of the students will go on to careers in city fire departments. As urban boundaries continue to blend with rural landscapes and the risk of wildland fire increases across the state, those future firefighters will need the wildfire-fighting skills they practice as part of the mitigation activities.

The mitigation project is managed by KFS

1517@71.00

1575@71.00

1615@70.00

1495@66.00

staff members who are nationally-certified wildland firefighters and incident managers. Wildland firefighters are highly trained in fire behavior, suppression methods and wildland fire mitigation. Throughout the week of mitigation activities, they will use the National Incident Management System

Page 15

to manage the event. Other wildland firefighters will join KFS staff from Kansas and surrounding states, representing 20 local, state and federal agencies that house wildland firefighters.

"Bringing together agencies from across our region for a planned mitigation project helps us build working relationships for emergency responses to wildland fire

incidents," Redinger said. Follow along with the work of the firefighters during the mitigation project on Facebook @kansasforestservice, Twitter @ KSForestService and the KFS website, www.KansasForests.org

Alta Vista

Hesston

Spring HIII

Tonganoxie

Vermillion

Hesston

Onaga

Alma

Alma

Green

Alma

Wamego

Vermillion

Leonardville

Council Grove

Belvue

Onaga

Seneca

Wamego

Leonardville

Goff

Goff

Onaga

Goff

641@166.75

Leonardville

11 blk

6 blk

8 blk

9 bwf

5 blk

5 mix

9 blk

5 blk

23 blk

36 blk

12 blk

7 blk

9 blk

23 blk

18 blk

17 blk

12 blk

22 blk

9 blk

5 blk

29 blk

37 blk

13 blk

14 blk

BULLS — 1.000-2.350 LBS

5 blk

1 Heref

1 Cross

9 Heref

10 Cross

7 Cross

HEIFERS — 550-775 LBS

8 Cross

26 red Ang

Forks. Drifts covered many single storweight of the snow collapsed many roofs.

CO. INC.

1 blk

1 blk

1 blk

CATTLE AUCTION 15131100\\$\2\2\

1 Hols

1 Heref

1 Hols



1280@52.00

1145@51.00

1065@50.00

1410@49.00

Toll-Free

1-800-834-1029

STARTING 10:00 A.M. ON WEIGH COWS FOLLOWED BY STOCKER FEEDERS — 11:00 A.M. OFFICE PHONE 785-776-4815 • OWNERS MERVIN SEXTON & JOHN CLINE

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to WWW.QrassandqraIn.com & logging onto the online subscription We had a larger run of high quality cattle for HEIFER CALVES — 400-450 LBS Onaga 1295@55.50

566@158.50

569@157.50

608@151.25

611@150.00

604@149.50

612@149.50

568@148.50

672@147.00

711@139.50

645@139.50

661@138.00

710@137.00

685@136.75

654@135.50

680@134.50

672@134.50

685@133.75

632@133.00

730@132.75

746@132.00

768@132.00

744@131.75

768@131.25

733@129.75

748@129.50

815@128.00

832@127.50

831@126.25

922@124.50

1015@95.00

2350@87.00

1235@85.00

1110@84.00

1270@84.00

1490@80.00

2225@78.00

2150@77.00

1020@72.00

-950-1,800 LBS

1017@121.00

Wamego

Manhattan

Clav Center

Leavenworth

Tonganoxie

Greenleaf

Greenleaf

Manhattan

Junction City

Leavenworth

Westmoreland

Manhattan

Hoyt

Westmoreland

Chapman

our sale Friday, February 22 with the bulk of the run being heavy feeder cattle which were selling at mostly steady prices. Lighter weight cattle suitable for grass were selling at steady to strong prices. Cull cows and bulls sold \$2 higher.

STEER CALVES - 325-550 LBS 345@206.00 5 Cross Alta Vista 9 blk 422@198.00 460@193.00 8 Cross

Auburn Rilev 7 blk 462@190.00 Alta Vista 6 blk 366@188.00 Council Grove 16 blk 502@182.00 Clifton 5 Cross 517@166.00 Alma 11 Cross 535@161.00 STEERS — 550-1.025 LBS Onaga 13 red Ang 584@178.50 569@178.00 Rilev 13 blk Council Grove 40 blk 642@168.00

13 blk

Alma

St. George

St. George

Onaga

Seneca 5 blk 615@163.00 10 blk 660@162.00 Vermillion Onaga 20 red Ang 677@161.00 Wamego 667@161.00 Riley 52 blk 684@159.00 Council Grove 18 Heref Goff 6 blk Council Grove 47 Cross Leonardville 9 blk Onaga 9 blk Wamego 65 blk Alma Council Grove 37 Heref Wamego 5 blk Leonardville 23 blk Green 5 blk 7 Cross Belvue Williamsburg 12 Heref Burlingame 30 blk 27 blk Onaga Vermillion 11 blk Burlingame 5 blk Green 13 blk 5 bwf Riley Goff 12 blk Burlingame 15 blk Belvue 15 Cross

6 blk

7 blk

593@158.75 Centralia 775@151.75 Green 745@150.00 St. George 680@150.00 Waterville 742@148.50 741@148.00 St. George 776@148.00 Waterville 703@148.00 698@147.00 Manhattan 779@146.75 Auburn 740@146.50 Grantville 619@145.00 Westmoreland 761@143.50 Grantville 830@141.25 869@141.25 837@140.50 749@140.25 857@140.00 840@138.00 881@137.50 935@136.25 719@135.50 56 blk 910@134.60

999@127.00 1009@125.50 1005@125.00

Marion Auburn Manhattan Dwight Westmoreland Dwight Westmoreland Westmoreland Junction City

Junction City

1 blk **COWS & HEIFERETTES** 1 bwf 2 blk 1 blk 1 blk 1 blk

1 hwf

960@116.00 1600@110.00 1215@104.00 1600@102.00 1145@99.00 970@91.00 Manhattan 1800@73.50 Manhattan 1 blk 1585@72.00

Rossville 7 blk CONSIGNMENT S FOR 2019: 180 home raised blk red & Char strs & hfrs, 2 rds shots, 800-850 lbs.

10 Hols OCV dairy hfrs, born July-Sept. 2018. These hfrs are all out of high producing cows.

 3 Angus age & source verified hfrs, 2 rds Vira Shield 6/1 rd Ivermectin+/1 rd Ivermectin pour on. Weaned/ bunk broke/ grass fed, 550-650 lbs. 48 Blk & Red strs & hfrs weaned Oct 15/2 rds shots/ bunk broke, 800-850 lbs. 12 Herf strs & hfrs weaned Oct 15/ 2 rds shots/ bunk broke, 800-850 lbs.

50 Choice home raised BWF & Herf strs 875-900 lbs.

136 Choice reputation Angus strs & hfrs long weaned/ 2 rds shots, 550-750 lbs. 60 Angus hfrs, 2 rds shots/ long weaned, 550-700 lbs.

65 Blk & Red strs & hfrs, shots/ weaned, 650-725 lbs. 60 Choice Blk & Char Cross Strs long weaned/shots, 600-700 lbs.

100 Choice Reputation Blk Strs & Hfrs, all shots/ long weaned, 600-800 lbs.

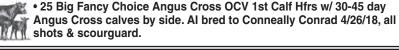
45 choice Angus strs, long weaned, all shots, 650-750 lbs.

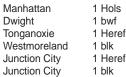
 10 Blk Strs & Hfrs 550-600 lbs. 24 Blk Strs & Hfrs, Bunk & electric broke/ weaned Nov 1, 650-800 lbs.

 60 blk strs & hfrs, weaned 120 days, all shots, 550-625 lbs. 65 Angus strs & hfrs, long weaned, 2 rds shots, 650-800 lbs.

EARLY CONSIGNMENTS FOR MAR. 8, 2019: 65 blk & red Angus cross strs & hfrs, 2 rds shots, weaned 60 days, 400-500 lbs.







1 Hols 1685@65.00 Manhattan 1 Hols 1655@48.50 1 Cross 1530@63.00 1 hols 1420@48.00 Leavenworth 1 blk 1720@63.00 Manhattan 1 Hols 1360@47.00 1490@46.00 1 bwf 1485@62.50 Manhattan 1 Hols 1 Char 1335@61.50 **BABY CALF** @440.00 1 Char 1400@61.00 Baileyville 1 bwf Baileyville @430.00 1 Cross 1310@60.50 1 blk 1 blk 1370@60.50 Baileyville 2 blk @420.00 1 Hols 1505@60.00 Baileyville 4 mix @410.00 1250@60.00 2 blk @410.00 1 blk Baileyville 1315@59.00 Baileyville @385.00 1530@58.00 Baileyville 1 Hereford @385.00 1225@57.50 Baileyville 1 Hereford @380.00 1365@57.00 @350.00 Baileyville 2 blk 1340@56.00 Baileyville 1 blk @350.00 1395@56.00 Baileyville @110.00 1165@55.50

Westmoreland

Manhattan

Manhattan

Leavenworth



start calving March 1.

SPECIAL STOCK COW BRED HEIFER SALE

POSTPONED TO WED. FEB 27 DUE TO INCLEMENT WEATHER FORECAST

WED.. FEB. 27 • STARTING 11:00 AM

BULLS SELLING FIRST

1st CALF HEIFERS:

7 choice homeraised Hereford 1st calf hfrs, bred to LBW hereford bull, due to

 12 blk 1st calf hfrs, bred LBW Angus bull, hevy Springers. 1st CALF HEIFER PAIRS 40 home raised blk blk baldy 1st calf OCV hfrs w/ 3-4 week Angus sired calves by side. Hfrs all shots plus Scourguard.

 2 Reputation Nebraska origin F1 1st calf (OCV) Red Angus Herf cross hfrs with 3 mo Red Angus sired calves by side.

4 blk 1st clf hfrs w/ 2 week old calves by side.

 12 blk bwf & wf cows, 4-7 yrs w/big Sept.-Oct. bwf & rwf calves by side. Cow running back w/Bismark Angus bull since Dec. 1.

14 blk & rwf cows, 3-6 yrs w/Angus Nov. calves by side.

8 big fancy home raised OCV Angus 2nd calf cows, 3 yrs, w/ Jan. Angus

calves by side.

2 blk cows, 6-8 yrs w/ calves by side.

25 choice blk, bwf and red Angus cows, 3-6 yrs w/ fancy blk, bwf, and red

baldy 30-40 day old calves by side. 20 older blk cows, bred blk bulls for April-May calves.

• 6 SimmAngus cross cows, 8-9 yrs, heavy Springers. 50 blk & bwf cows, running ages, bred mostly Angus, few Hereford for March-

April calves. Full vac program plus Scourguard. 20 Angus cows, running ages, from closed Al based herd, bred to balanced

Angus bulls, last 5 yrs, calves have shown near 100% CH and 75% CAB.

15 Fancy Reputation Angus cows, 2-5 yrs, bred registered Angus bull for

March 15 - April calves. 10 blk bwf cows 3-6 yrs w/ big Fall blk calves by side. Running back Angus

bulls since Dec. 1. 6 Blk cows 4-6 yrs, bred Bismark Angus bull, heavy springers.

 12 Older Blk cows, bred to Blk bull, heavy Springers. 7 blk & red cows up to 7 yrs, bred top Angus bull for Mar.-April calves.

• 3 Angus cows, 6 yrs-SS, bred Angus for Mar-April calves.

 10 Heref cows, 3-6 yrs, bred Heref for Mar-April calves. • 19 Blk & Red Angus Cows (running ages), short bred.

1 Purebred Char bull, 18 mo. old.

If you have any consignments for this special sale, please give us a call so we may advertise them for you!

Upcoming Special Stock Cow & Bred Heifer Sale Dates • Wednesday's starting at 11:00 AM *2019:* February 27 • March 20 • April 10 • May 1

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

FIELD REPRESENTATIVES

ONAGA 785-889-4775 620-726-5877 Cell: 785-532-8381

JOHN CLINE

BRENT MILLER ALMA 785-765-3467

OLSBURG

ALAN HUBBARD MERVIN SEXTON **MANHATTAN** 785-468-3552 Cell: 785-410-5011

Cell: 785-770-2622 Home: 785-537-7295

BILL RAINE MAPLE HILL 785-256-4439

Cell: 785-633-4610 Cell: 785-556-1422

TOM TAUL MANHATTAN 785-537-0036

BEATTIE 785-353-2263 Cell: 785-562-6807

JEFF BROOKS

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

BRYCE HECK

DAN COATES BALDWIN 785-418-4524

BURNS Cell: 620-382-7502

SAM GRIFFIN

Cell: 785-587-7824

This Week's Sun & Moon Chart 4:51 a.m 5:32 a.m 3:42 p.m 6:09 a.m 6:41 a.m 5:35 p.m

Council Grove

Wamego

3

26/14

Growing Degree Days

Kansas milk production sees five percent increase

totaled 317 million pounds, up 5 percent from December 2017, according to the USDA's National Agricultural Statistics Service. The average number of milk cows was 161,000 head, 8,000 head more than December 2017. Milk production per cow averaged

grassandgrain.com

REAL ESTATE AUCTION NOTICE

THURSDAY, MARCH 14, 2019 — 7:00 PM Auction will be held in CLAY CENTER, KANSAS

294.58 acres of Clay County, Kansas CROPLAND, GRASS and RURAL RESIDENCE

TRACT 1: That part of the E2 of Section 18-8-3 which lies south of the Republican River, less a small parcel to the southwest which has been sold. This tract is located in Blaine Township and consists of 140.54 acres according to FSA records. There are 95.43 acres of Republican River bottom cropland to the north. Soil types on the cropland are primarily Class 2 Eudora with small areas of Class 2 Cass and Class 1 Muir. The balance is grass along 16th Road to

the south. This tract is located one mile south of Clay Center on the

west side of Highway 15.

TRACT 2: The NW4 of section 32-7-3 less 23.57 acre tract to the south, Clay County, Kansas. This tract is in Hayes Township and consists of 130.47 acres according to FSA records. The entire tract is classified as cropland. There are 125.57 tillable acres and 4.90 acres of waterway. Soil types include Class 1 Muir, Class 2 & 3 Crete and Class 3 Geary. From Clay Center follow Highway 15 one mile north to 20th Rd. and the northwest corner of the tract.

TRACT 3: A tract on the south of the NW4 of Section 32-7-3. Clay Center, Kansas. This tract is located on the east side of Highway 15 just one half mile north of Clay Center, Kansas. It includes 3.63 acres with nice house and buildings and 19.94 acres of pasture and trees. It is located just south of Tract 2.

TERMS: 10% down. Balance due in 45 days. Both farms are open for spring crops. The auction firm is working for the sellers. See next week's Grass & Grain complete details.

PEGGY HOUSER & NANCY SALOMON. SELLERS

Auction conducted by: Clay County Real Estate Greg Kretz, Salesman & Auctioneer: (785) 630-0701

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Land Value and Lease Agreement workshop

Associations, along with K-State Research and Extension, will host a Land Values and Lease Agreement workshop on March 5th. Guest speaker will be Mykel Taylor, Associate Professor for the K-State Department of Ag Economics. Taylor will discuss land values, landlord and tenant relations. rental rates, and what is fair and equitable.

The workshop will include a free lunch served at 11:45 with the meeting beginning at 12 p.m. The the Southeast Research and Extension Center located at 25092 Ness Rd. Parsons. RSVP's are requested for a meal count by calling 620-429-2678. Lunch is sponsored by the American Bank, and Farm Bureau Financial Services agents, Fawna Coons, Kendall Hall, and Gracie Helms. For more informa-

tion, contact Jeri Geren, Diversified Agriculture and Natural Resources, jlsigle@ksu.edu, (620) 331-

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LH - AMX55060

Collector's Tool Auction



Sunday, March 10, 10:00 am Wischropp Auction Facility 930 Liang Street, Osage City KS (just east of Sonic Drive-In on HWY 31)

STANLEY PLANES: Bench, Traditional, IOB, Scraper, Plow, RABBIT, etc. MISC STANLEY: Tire Squares, Miter Boxes, etc. EARLEY PATTON PLANES: Siegley plow, Baily, Chaphin, etc. LEVELS: Brass Bound, Steel & Wood. RULERS: HAND BRACES: WRENCHES: Implement, Pipe, Cutouts, etc. CATALOGS: Stanley, Brown & Sharp 1941, Latlze Book 1935, etc.

HAMMERS: Keen Kutter, Plumb, Cobbler, Brass, etc. MISC: Draw knives, Barn beam tools, Advertising, Oil cans,

Belt buckles, Scribes, Angle dividers & markers, Bridle bits, Traps, Barn lanterns, Kerosene lamps, Brest drills, Buggy steps, Meat saws & grinders, Seiler surveyor transit tripod & MUCH MORE!
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CONSIGNMENT AUCTION FARM & RANCH EQUIPMENT & SUPPLY SATURDAY, MARCH 16, 2019 — 10:00 AM Held at Sunflower Sales, LLC Auction Facility

711 D. Street — WASHINGTON, KANSAS 66968 **GRAIN HANDLING**

TRACTORS, TRAILERS, TRUCKS, MOWERS & UTVS 1996 CAT Challenger (85D), Ford 5000 Tractor w/Ford 727 Loader, JD 2010 wide front Tractor w/3 pt, 1987 Meritt 48' cattle pot, 2008 Donahue 180 swather trailer, home-built utility trailer w/ ramp (9'x5' deck), International truck box trailer, 6'x10' utility trailer w/ramp, gooseneck tilt-box trailer (truck conversion), single axle chopper trailer, ATV trailer w/electric winch, 1973 Chevrolet C65 Grain Truck, 1972 Ford F900 cab & chassis (gas), *Lawn-mowers:* (2003 Grasshopper 7. Carlot State Country Countr

Great Plains Solid Stand 24 drill, Hesston 4600 square baler, New Holland bale wagon (Stackliner 1034), JD 54 manure`spreader IH 496 25' disc, JD 925 flex head w/home built trailer, Case IH 950 front fold 12 row planter, JD 7200 6 row planter w/insecticide boxes (MaxEmerge2), JD 7000 4 row planter w/fertilizer tanks and several plates, JD 640 rake, 18' IH 4500 cultivator w/harrow.

ATTACHMENTS & SMALL IMPLEMENTS

NEW Hawz skid steer attachments (72" brush cutter, 84" root grapple, 2 tree pullers w/push bar, rock and brush grapples: 2-74", 1-84"), Industries America 2-/4 , 1-64), illustries America 3 tine bale spear, Easy Man tree shear/puller, single spike bale spear, HitchDoc 84" push-off skid steer bucket (like new), MDS Uni-Tach, JD Category 2´Quick-Hitch, Farmhand 7' finish mower, EDGE 72" skid steer grapple, Work Saver 3 pt. post-hole digger, Fimco 60 gal. sprayer, Westendorf grapple.

FarmKing 180 rollermill (like new), Gehl grinder mixer, Massey Ferguson grinder mixer, small auger wagon, Sukup Grain Giant grain cart LIVESTOCK EQUIPMENT

& FENCING
Oswalt 250 feed wagon, Oswalt feed wagon – truck conversion, 4-bottomless guardrail bunks, 2-26"x15' half-pipe bunks, Patriot 150-D creep feeder (like new), small UTV cube feeder, Linn Post & Pipe (20 Galvanneal continuous 6-bar panels & 15-24' free standing panels), 2 New Wilgers bale feeders w/cone, 4 New Wilgers bale feeders, Priefert horse feeder (like new), Behlen automatic waterer w/heat (never installed), Priefert head gate, GoBob 20' adjustable alley w/2 no-backs, home-built de-horning chute, portable WW squeeze chute, 20 pre-built pipe corner braces, continuous panels w/galvanized coating (10 6-bar & 10 5-bar) heavy corral gates (4-10', 4-12', 4-16', 4-20'), 50 pipe posts w/clips for barbed wire, 22 pipe posts w/clips for 4-wire fence, slight defect gates/panels: pasture gates (1-16', 1-17'), 2-20' 6-bar continuous panels, 1-18' heavy gate.

TOOLS & MISC.

Hobart generator welder, hydrau-

lic post-tamper, 3 Stihl chainsaws, Hobart Auto Arc 130 mig welder, PowerMate 5500watt generator (like new), pickup tool boxes (1 plastic, 1 metal), 10" Craftsman table saw, large bundle new & used 2x4's (10'-16') 12-White Pro-Panel 9' tin, 24-galvanized corrugated 16' tin.
**17 Round Prairie Bales

1500+ lbs** **21 Round Straw Bales** (All Bales Net Wrapped)
*GOOD SELECTION OF
HEDGE POSTS*

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come! Lunch available. Loaders available. OPEN RANGE SALES CO., LLC

the first survey-based estimates of U.S. farmers' planting intentions for the year," said NASS' Kansas state statistician Doug Bounds. "The March Agricultural Survey provides the factual data that underpins these projections, making it one of the most important surveys we conduct each year." NASS will mail the survey questionnaire in February, asking producers to provide information about

USDA to survey farmers'

planting intentions for 2019

Statistics Service (NASS) will contact producers na-

tionwide to determine their plans for the upcoming

USDA's Prospective Plantings report, which provides

"Each year, the agriculture industry eagerly awaits

As the 2019 crop production season begins, the U.S. Department of Agriculture's National Agricultural

the types of crops they intend to plant in 2019, how many acres they intend to plant, and the amounts of grain and oilseed stored on their farms. NASS encourages producers to respond online or by mail. Those producers who do not respond by the deadline may be contacted for a telephone or personal interview. NASS safeguards the privacy of all respondents and publishes only aggregate data, ensuring that no individual operation or producer can be identified. Survey results will be published in the Prospective

Plantings and quarterly Grain Stocks report to be released on March 29, 2019. These and all NASS reports are available online at www.nass.usda.gov/Publications. For more information call the NASS Kansas Field Office at 800-582-6443.

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GAR Sure Fire X Confidence Plus CED 13 / BW .4 / WW 71 / YW 121 / MILK 27 CW 57 / MARB .81 / RE 1.00 / FAT -.001 \$W 79.84 / \$B 173.80 Top 1% for \$W · Top 5% for WW, RE, \$B



GAR Sure Fire x Confidence Plus CED 13 / BW .3 / WW 74 / YW 135 / MILK 21 CW 61 / MARB .90 / RE .79 / FAT .044 \$W 72.32 / \$B 170.87 Top 1% for Doc Top 5% for WW, YW, CW, \$W, \$F, \$B



CED 11 / BW .5 / WW 65 / YW 123 / MILK 30 CW 53 / MARB .46 / RE .86 / FAT .053 \$W 70.58 / \$B 152.96 Top 10% for YW, RE, \$W, \$F



CW 70 / MARB .39 / RE .78 / FAT .044 \$W 85.59 / \$B 172.05 Top 1% for WW, YW, CW, \$W, \$F



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818 - 19196930 Confidence Plus son CED 11 / BW .6 / WW 67 / YW 129 / MILK 25 CW 56 / MARB .84 / RE .93 / FAT -.001

\$W 68.32 / \$B 189.69 · Top 1% for \$B, \$F, RADG

810° 19196968

Confidence Plus son CED 9 / BW 1.9 / WW 64 / YW 116 / MILK 35 CW 47 / MARB .92 / RE 1.20 / FAT -.001 \$W 71.57 / \$B 167.87 · Top 1% for Doc, RE



CED 11 / BW 2.1 / WW 73 / YW 134 / MILK 33 CW 75 / MARB .83 / RE 1.01 / FAT .033 \$W 78.56 / \$B 191.33 Top 1% for CW, \$B · Top 2% for YW, \$W



CED 12 / BW -1.1 / WW 61 / YW 103 / MILK 28 CW 30 / MARB .38 / RE .64 / FAT .039 \$W 74.41 / \$B 111.69 Top 3% for \$W



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150 13-15 Month Old Bulls

Baldridge Colonel - Angus Valley Connealy Automatic - SS Niagara Z29 and others Gaveus Gob Sau Pavara Tazaw

50 pairs with heifer calves by side.



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Inquiries Contact: Ethan Schuette, 785-541-1027

Glynn Tonsor, K-State agricultural economist, will

discuss the importance of international trade as the U.S. beef herd expands. The afternoon sessions will

feature K-State faculty and industry presentations in

Weber Hall and at the Beef Stocker Unit discussing

at the door. Online registration is available at asi.

ksu.edu. For more information visit KSUBeef.org or

contact Lois Schreiner at 785-532-1267 or lschrein@

The cost to attend Cattlemen's Day 2019 is \$30

This year's offering includes 17 Angus, seven Simmental and five Hereford yearling bulls as well as 15 fall-bred cows, 21 commercial heifers and five AQHA ranch performance horses.

"This year's Legacy Sale offers a useful set of bulls along with fall-calving bred females and spring yearling commercial heifers that will be ready to

Kansas are safe to conon Tuesday. March 12. or to register for the South the Greenwood County Ex-

manager, says. "We wouldn't be able to make this

event happen without the dedication and hard work

of the student help. They've had the opportunity to

learn and better their experience here at K-State by

Visit asi.ksu.edu/legacysale to view the sale cata-

Prior to the sale will be the 106th Annual Cattle-

men's Day. Dr. Brad Morgan will keynote the event by

discussing the potential for plant-sourced meat and

laboratory-produced meat to take market share from

working at the Purebred Beef Unit.'

The Kansas Department of Agriculture, in partnership with K-State Research and Extension, is offering two classes to help people earn the necessary approval to sell wild morel mushrooms. The classes will take place in South Hutchinson on March 12 and in Eureka on March 19.

The classes are intended to help ensure that wild harvested mushrooms sold as morels in the state of sume. Current regulations under KDA's food safety and lodging program require that mushrooms picked in the wild for sale must be individually inspected for safety by an approved mushroom identifier. Upon completion of this class, participants will be recognized as approved morel identifiers in order to meet this regulation.

The class in South Hutchinson will be held

EPA acting administrator Wheeler signs

2019, from 6:00 to 7:00 p.m. at the Reno County Extension office, 2 W. 10th Ave. in South Hutchinson. The session in Eureka will be held on Tuesday, March 19, 2019, from 6:00 to 7:00 p.m. at the Eureka Public Library, 606 N. Main St. in

log and lot videos.

Registration for the classes is now open and is free. Pre-registration is not required but is highly encouraged. For questions

EPA will continue to

educa-

work with FFA to ensure

tion is learned and prac-

ticed by all Americans to

achieve EPA's mission of

protecting human health

and the environment.

environmental

Hutchinson class, contact the Reno County Extension Office at 620-662-2371 or ppaulsen@ksu.edu, or register online at bit.ly/ MorelWorkshopReno. For questions or to register for the Eureka class, contact

tension Office at 620-583-7455 or lyndsayshorter@ ksu.edu, or register online at bit.ly/MorelClassSig-

a variety of topics.

ksu.edu.

Morel identification classes were also held earlier this year in conjunc-

ket workshops. For more information about morel mushroom identification opportunities, Londa Nwadike, KSU/MU extension food safety specialist, at 913-307-7391 or lnwadike@ksu.edu.

REAL ESTATE & INVENTORY AUCTION BUSINESS LIQUIDATION

SATURDAY, APRIL 6, 2019 — 10:30 AM

Holton Lumber Company • 415 Michigan Street — Holton, Kansas REAL ESTATE AUCTION BEGINS AT 10 A.M. • FOLLOWED BY INVENTORY, VEHICLES & EQUIPMENT

DIRECTIONS: From Jct. 75 & 16 Hwy in Holton, KS, (Stoplight) East on 4th Street, go approx. 10 Blocks east thru stoplight and square to Holton Lumber Company.

Description of Property: Approx. 1.64 acres, m/l, perimeter fenced real estate. Main building (1200 sq. ft.) has sales area, 4 private offices, kitchen with appliances, 2 restrooms.

Zoned Light Industrial, which offers various opportunities for other businesses or continue as lumber yard. Approx. 728 sq. ft. building located on 4th street (not fenced) is rented, month to month for \$400. Existing tenants desire to remain in said location OR, will be given notice in real estate contract, 90 days to vacate said space from date of closing

Sale does NOT include existing businesses. 2018 Taxes: \$5,474.50

TERMS: Day of sale, the successful bidder will be required to enter into a real estate purchase contract and provide an earnest deposit of 10% of sale price. Balance due in certified funds at closing. Closing and possession will be on or before April 30, 2019 unless additional time is needed to provide marketable title. Sale is not subject to Finance. 2019 Taxes will be prorated to day of settlement based on the 2018 taxes. Seller is responsible for all taxes prior to 2018. Owner's policy of title insurance cost & closing fee, to be split equally between buyer and seller

Any inspections buyer deems necessary must be completed prior to sale. Sold subject to existing leases, zoning, easements, restrictions, reservations and roads of record. Selling all real estate "as is" and the suitability of this property for any particular purpose is not guaranteed. Seller nor Harris Real Estate, its agents or representatives are making any warranties about the property, either expressed or implied. Harris Real Estate and its agents and representatives are exclusive agents of the seller. Building sizes based on county appraisers' records.

Holton Lumber Company will continue to do business until March 22. After that time, a detailed list of inventory items for auction will be available.

Announcements day of sale take precedence over all other material, printed, online or otherwise SELLERS: ROBERT C. & DONNA M. JOHNSON

Business phone 785-364-4641 • (Holton Lumber Company) VISIT OUR WEBSITE: holtonlivestock.com

HARRIS REAL ESTATE & AUCTION, LLC • HOLTON, KANSAS Dan Harris, Broker-Auctioneer 785-364-7137 • Rogette Branam 785-851-0069 Jarrod Thompson, Sales, 785-851-7426

MOU with national FFA organization to enhance environmental education trator Andrew Wheeler. in preserving and enhanc-Environmental "The MOU reflects the iming the resources needed to grow our food."

Protection Agency (EPA) Acting Administrator Andrew Wheeler signed a first-time Memorandum of Understanding (MOU) with the National FFA Organization to advance educational outreach for EPA's ongoing environmental and public health initia-

"Today's MOU will expand EPA's environmental education programs to an important and diverse new audience: the National FFA Organization's 670,000 student members." said EPA acting adminis-

and two basement storage areas.

skilled, long-term or assisted nursing facility.

portance of agricultural practices in promoting environmental stewardship and builds on our recent collaborations with America's farmers and ranch-

"This agreement between FFA and EPA recognizes how FFA members are ready to be leaders in environmental fields," said National FFA president Luke O'Leary. "Whether it's studying pH levels in soil or running experiments to reduce water runoff, we're active stewards





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REAL ESTATE AUCTION FRIDAY, MARCH 22, 2019 — 1:00 PM

630 Holliday Street — OSAGE CITY, KS 16,740 sq. ft. ± Building used as former nursing home facility, con-

sisting of 31 residential rooms, chapel, gathering room, therapy

room, dining area, equipped kitchen and laundry room, two offices

NOTE: Deed restriction stating property may not be used as a

Details at: www.wischroppauctions.com

UPCOMING SPECIAL ISSUES

Sheep & Goat - March 5th Edition

Bring On Spring – March 12th Edition

Hay & Grazing - April 9th Edition

DEADLINES:

Sheep & Goat – Feb. 27th, before 12pm

Bring On Spring – March 6th, before 12pm

Hay & Grazing – April 3rd, before 12pm

To advertise in one of these special issues, contact your GRASS& GRAIN sales rep:



Donna Sullivan

 Managing Editor – Cell: 785-632-7001 • Office: 785-539-7558 Cell: 785-341-6507 • Office: 785-539-7558 gandgeditor@agpress.com steve@agpress.com



Shelby Mall Sales Representative –

shelby@agpress.com



Steve Reichert Sales Representative -



Kurtis Geisler

 Sales Representative -kurtis@agpress.com

9th Annual PREDICTABLE GENETICS PROVEN PERFORMANCE

50 Bulls & 30 Open Heifers Sell March 2, 2019, Pawnee Rock, KS

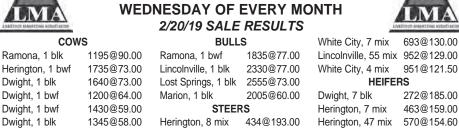




Marty: 620.786.2018 | Scott: 620.786.1369 Pawnee Rock, KS | www.LovingFarms.com Email scott@LovingFarms.com for catalog.

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CATTLE SALE EVERY WEDNESDAY: 11:30 AM SELL HOGS 1ST & 3RD



460@174.00

388@160.00

696@149.75

CONSIGNMENTS FOR FEBRUARY **27**

Lincolnville, 56 mix 936@132.00

White City, 3 mix

White City, 2 mix

Herington, 11 blk

84 red & blk strs home raised, 60 days wean, all shots, 875-900 lbs

1205@58.00

1170@57.00

1185@55.00

1585@53.00

Dwight, 1 bwf

Dwight, 1 bwf

Dwight, 1 bwf

Herington, 1 blk

- 62 blk strs home raised, LW, all shots 875 lbs 64 blk/blk nose Char hfrs home raised, long
- wean, all shots 850 lbs
- 62 blk/blk nose Char strs home raised, long wean, all shots 875 lbs
- 70 Mostly blk strs/hfrs home raised, long
- wean, all shots 600-800 lbs
- 30 blk strs home raised, long wean, all shots 650-700 lbs
- 30 blk hfrs home raised, long wean, all shots 650-700 lbs
 - 37 red Angus strs home raised, long wean, all
 - 31 red Angus hfrs home raised, long wean, all

White City, 5 mix

CALVES - BY THE HEAD

Dwight, 2 blk

Dwight, 1 blk

629@125.00

705@120.50

255@300.00

- shots, 850 lbs • 60 mostly blk hfrs Guaranteed Open, 800 lbs
- 120 Mostly blk strs, 875-900 lbs MORE CATTLE BY SALE TIME

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

Run ad consecutive weeks.

Category:

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

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Bull & Female Sale SAT., MARCH 9 2019



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Mark Nikkel. Managing Partner Maple Hill, Kansas

785-256-4327 millbraeranch.com



"The Best of Both Worlds" Sale Mon., March 25, 2019

12:00 Noon Dwight, KS

- SELLING -60 Horned Hereford Bulls 16 Two-Year-Old Angus Bulls 55 Fall Yearling Angus Bulls 30 BWF Open Heifers 90 Heifer Pairs (Hereford, Angus & F1 BWF) 90 Fall Bred Heifers (HH, AN

30 Quarter Horses (colts & riders)

& F1 BWF)

Live Real Time Auction Tami McIntosh 308-870-3661 jakoleen7@gmail.com www.oleenbrothers.com

Jan - 785-482-3383

Arden - 785-466-1422 Jesse - 785-499-3250 Box 8, Dwight, KS 66849

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18th Annual Sale **BJ ANGUS** GENETICS



Thursday, March 14th 12:30 PM at the Ranch Manhattan, KS

75 18-month bulls

• 12 14-month bulls • 65 Reg. Females Genomic Enhanced (DNA) EPDs

www.bjangus.com for sale catalog and videos

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Excellent selection of **Polled Hereford** And

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20th Annual Production Sale March 23, 2019, 12:00 p.m.

At the farm 24181 187th Street, Leavenworth, KS

Selling:

-50 Registered Angus Spring & Fall Yearling Bulls -10 Registered Angus Spring & Fall Calving pairs

-10 Open Commercial Yearling Heifers -20 Fall Bred Commercial Heifers

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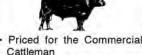
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7 REGISTERED ANGUS Wisdom bulls, easy-calving, low birth weight, all shots, 1100-1200 lbs. 11-12 months old. Call Dan, 785-230-1776.





Yearlings & 2 yr, olds with calving ease & growth

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Good Maternal Traits **Huninghake Angus**

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ANNUAL ANGUS PRODUCTION SALE

March 10th, 1:30 pm at the Ranch Headquarters 522 17th Rd • Haddam, KS

 Yearling regis. Angus Bulls 2 yr old regis. Angus Bulls18 mo old SimAngus bulls · Registered Heifers

Angus Sires: Baldridge Captain C013

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POLLED HEREFORD BULLS. Yearlings. Fertile, calving ease, disposition, weather- tough and hotwire broke. Free delivery. \$1,850-2,900. Kanza Cattle, Chapman. 785-313-6565.

8 RED ANGUS OPEN replacement heifers, calf hooded, pelvic measured and VL5. Out of good gentle cows. \$950. PH-785-364-6629.

8th Annual



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Production Sale Wed., March 20, 6 PM Overbrook Livestock Comm. 50 coming 2 yr old Spring and Fall yearling bulls 70 Reg. & Commercial **Open Yearling Heifers**

Approx. 30 young pairs Howard Woodbury 785-453-2492 785-241-0515 John Woodbury 785-453-2223 785-229-2557

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72 ANGUS BULLS For Sale by Private Treaty Featured Sires:

Charlo, Capitalist, Hoover Dam, Bullseye, **Black Granite** Performance Tested; Fertility

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Volume Discounts See Performance Data & Price List at:

www.WolfCreekAngus.com LURAY, KANSAS 785-698-2225



March 15, 2019 • 12:30_{PM} • Elmdale, KS - 200 Bulls, 18 months & yearlings -

- F1 and F2 RA X SM -

Please call or email for information and a catalog

Joe 620-340-7461 • Daniel 620-340-9774

and FB page for updates.

Office 620-273-8581 • redcows@mushrushredangus.com Watch our website www.MushrushRedAngus.com

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Calving Ease Virgin 2 year old bulls BRIAN KOSTER TESCOTT. KS 785-488-6219 785-392-0345 bkangus.wix.com/bull

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★ Reasonable Prices Randy Huninghake

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18 months old, DNA enhanced EPDs, semen checked, fully guaranteed



MONDAY, **MARCH 4th** 12:30 P.M. at the ranch Manhattan, Kansas

Go to: www.LyonsRanch.com Or Call:

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For catalog and videos

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ANGUS & SIM-ANGUS 18-24 month old bulls available, easy fleshing, maternal focused, calving ease, good disposition.

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HINKSON ANGUS RANCH SALE

100 Angus bulls both Fall & Spring 70 Fall Commercial bred Heifers

60th Anniversary Sale!!



MARCH 19 • 1 pm at the Ranch Cottonwood Falls, KS

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58th Annual Polled **Hereford Sale** Monday, March 11, 2019 1:00 p.m.

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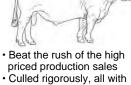
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at the farm located near Burchard, Ne Selling: •40 Polled Hereford Bulls

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w.tegtmeierpolledherefords.com

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excellent dispositions 18-20 month old bulls to breed larger groups of cows EPDs in the top 20% of the breed for WW and YW;

pounds = \$\$Performance data available **Drew Obermeyer**

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BUY YOUR WAY BULL SALE

FEBRUARY 23 - MARCH 2 at the farm - selling: 65 Simmental & SimGenetic bulls Spring & Fall | Red & Black Rodney & Kim Hofmann

Clay Center, Kansas 785.944.3674 www.honestbulls.com (see our display ad in this issue)

HEREFORD BULLS Horned and polled,

FOR SALE:

eady for service, 4-H & FFA heifer prospects. Will deliver. Davis Herefords,

785-256-4643 785-256-4010 Maple Hill, KS.



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Private Treaty High Performing Structurally Sound Quiet Disposition

Fertility Tested, Virgin Bulls

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nahargrave63@gmail.com **GLM Herefords**

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Yearling and 18 month bulls available. Calving ease, growth, fleshing ability and Disposition all

in one package. EPD's, performance information, fertility tested, guaranteed and free **Grant McKay** Marysville, KS 785-619-6086

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glmherefords.com

glmherefords@bluevalley.net

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

Oleen Cattle Co.

Falun, KS

CHUCK 785-668-2368 785-668-2454

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Graham School for cattlemen and women. We special-

ize in teaching pregnancy check, artificial insemination herd health, calf delivery and many other subjects. **DATES FOR 2019**

No March Classes! April 8-12

May 6-10 June 10-14 July 8-12 August 12-16 No September Classes!



call or write: Dept. GG, Graham School 641 West Hwy. 31 Garnett, KS 66032 785-448-3119 JENSEN BROS.

Hereford Bull Sale



 FULLY GUARANTEED **Free Delivery** Kevin & Sheila Jensen

Courtland, KS 785-374-4372, home 785-243-6397, Kevin cell jensenbros.net jensenks@courtland.net Performance counts because POUNDS PAY \$\$\$\$

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PRODUCTION SALE Saturday, March 2 12 Noon at the Ranch, Olsburg, KS

Selling 100 BULLS

Powerful strong beef bulls

All performance information, EPDs and ultra sound carcass data 50 FEMALES

Show heifer prospects Bred heifers

Fall cows and calves Donor cows







Over 250 18 month old & Spring yearling bulls available Your Private Treaty Headquarters. Over 20

ears experience in Private Treaty & Sight-Unseen Sales You won't be choosing from bulls that "didn't make the sale" or were "caught" in the Our goal is to get the right bull to the right herd every See our display ad in this is-

 Videos, data, and catalog available on our website Please check for updates

throughout the Spring.
• Genomic enhanced EPD's on every bull in all three breeds.

It's time to come home to... **HARMS PLAINVIEW**

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620-382-6388 Kim's Cell: 620-382-5373

CATTLE



May-Way Farms 8th

Annual Production Sale Sat. March 9, 2019 Baldwin City, KS • 5:30 P.M. 65 + 18 Mo. & Yrling Reg.

Angus & SimAngus Bulls 10 Reg. Females. Jason: 785-979-2183 Office: 785-594-3125 www.maywayfarms.com Like us on Facebook to stay up to date.

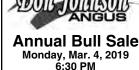
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Private Treaty 18 Month Angus Bulls Al Sired Registered Calving Ease **Gentle Disposition** P.I. Negative David J. & Doris,

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Daren Ronnebaum



Farmers & Ranchers Salina, KS Check out our website www.donjohnsonangus.com

Don · 785-536-4507 Dan or Linda Egger 402-562-5951

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Performance Growth

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• Muscle

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Marysville, KS 785-268-0423 785-562-6257 Brian

ON TARGET BULL SALE HEREFORD • ANGUS

March 16 • 1 p.m. Marshall Co. Fairgrounds,

Blue Rapids, KS Broadcasted online at DVAuction.com

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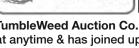
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EMPLOYMENT

Page 21

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protected by crop insurance in 2018, a 20-million-acre increase over 2017 and an all-time high. And, crop insurance came in \$2 billion under original federal budget projections for the year. Jim Korin, chairman of

acres of farmland were

Services (NCIS) and president of NAU Country Insurance Company, noted these accomplishments, among others, in his opening remarks at the crop insurance industry's annual With more than 1.1 million crop insurance poli-

National Crop Insurance

cies sold to farmers across the nation. Korin credited the growing popularity of crop insurance to the exceptional service provided by private-sector insurers and the unique working relationship they share with the government. "The public-private partnership that defines crop insurance has been

successful in providing the important safety net for our farmers and the rural areas where they live," Korin said. He noted that the crop insurance industry has been able to quickly pay claims while routinely coming in below budget projections, saving taxpavers billions. Under the successful crop insurance model, farmers invested in their

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Special Issues

and shouldering a significant portion of losses through deductibles. This public-private partnership was further reinforced with the over-

\$3.7 billion in premiums

whelming passage of a bipartisan Farm Bill in December that strengthened crop insurance and firmly rebuffed efforts by some critics to make the program less affordable and available to farmers. "With everything that occurred during the year,

nothing defined the world of agriculture more than the debate and passage of the 2018 Farm Bill," said Korin. "This process saw congressional field hearings from coast to coast and a steady call from farmers across the nation to 'do no harm' to the crop insurance safety net." Larry Heitman, chairman of the American Association of Crop Insurers

and senior vice president

of NAU Country Insurance Company, also addressed the convention and said maintaining this kind of support from farmers will continue to be important moving forward. "As tempting as it may be to relax until the next Farm Bill negotiations begin again, let's remember our program is a tar-

get for those that want to redirect agricultural funds to their own causes or programs," he told the group. "We must continue to maintain and strengthen our partnership with agriculture commodity associations and conservation and wildlife protection groups to work together for a coalition to benefit all Americans - rural and Heitman and Korin explained that the industry's

attention will now turn to working with the U.S. Department of Agriculture to ensure a smooth implementation of the 2018 Farm Bill, while continuing to serve rural America. Korin concluded, "We

must remember our purpose: To provide exceptional coverage and service to farmers and ranchers to help them do what they do best... feed and clothe the world."

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Grass & Grain, February 26, 2019

Ranch Gathering to focus on practical, profitable genetic selection

Cattle producers of all test, panel discussion and keen pair of eyes and acdone by the individudic Gathering, Friday, March Wilmore, and Clint H ages are invited to the 2019 Dalebanks Angus Spring Break Ranch Gathering, March 15, 2019, at the newly renovated Dalebanks Sale Facility northwest of Eureka. An interactive selection con-

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arson

Angus

Jim Dalinghaus

785-799-5643 Baileyville, KS

ranch tours will highlight the day's events.

Beef cattle selection has drastically changed through the decades. While most producers recall a time when genetic selection consisted of a

Marysville Livestock Sales

cess to a bull's pedigree, today's tools offer a more science-based approach to genetic selection. Even with the various selection tools in the beef business today, prioritization of traits must largely be

al cattleman making the purchase. No one knows the needs of their herd from a management and marketing standpoint better than the person who owns or manages the cow herd. When it comes time to purchase that next herd bull or set of replacement females, the challenge of balancing nearly twenty Expected Progeny Differences, associated selection indexes, plus the animal's phenotype becomes a bigger challenge than some producers want to To help interpret this

information, cow-calf producers from across the region are invited to the 2019 Spring Break Ranch 15, 2019, at the Dalebanks Angus Ranch sale facility, 1030 River Road, Eureka. This interactive day will begin at 10:30 a.m. with a Practical, Profitable Genetic Selection (livestock judging) contest to help navigate the balance of genetic tools, measures and phenotypic evaluation as folks rank seedstock to best fit various ranching scenarios. Prizes will be awarded in both youth and adult divisions. Following lunch, the

session will shift to a discussion led by Matt Caldwell, Beef Program and Business Development Manager at Premier Select Sires. Common-sense cattlemen, Ed Koger,

tington, Eureka, will join Matt to visit about how they use the available tools to select the right genetics for their commercial operations.

After the panel concludes, attendees may enjoy social time with friends in the sale facility, tour the Dalebanks cow herd and facilities, or view cover crop and cool-season grazing systems.

There is no cost for the event, but please contact Matt Perrier, mattperrier@dalebanks.com or 620-583-4305, to reserve your spot today. Families are welcome to attend, and activities for all ages will be

Researchers use UAVs to track insect dispersal patterns

leased soon, researchers tell how they used drones to track migration patterns "This research will help

us quickly determine habitat preference and disdetected invasive insect species," says University of Missouri Extension field crops entomologist Kevin Rice. That information can help farmers decide how to treat for insect pests, which cost an estimated \$120 billion annually in economic loss.

"Detecting Invasive Insects With Unmanned Aerial Vehicles" tells how research team members tracked insect travel patterns using specially fitted drones. They marked insects with a fluorescent powders and released them into fields.

UAVs equipped with sensors, lightweight ultraviolet lights and cameras flew over fields. They tracked and recorded the travel patterns of marked insects. Researchers downloaded the data for review.

For more than a century, researchers used a time-consuming process to manually track insects. Less than 5 percent of marked insects were recaptured using this process. The new technology

ciently, accurately and with less labor, Rice says. "Our system can detect

real target insects in field conditions with high precision," he says. In previous research,

Rice described the novel method to detect fluorescent-marked insects using hand-held UV lasers with focusable lenses. This allows the beam to be widened for a larger search area and detection distances up to 40 meters. It also allows scanning in tree canopies and water areas that previously could not be accessed. Researchers examined

the dispersal rates of invasive species such as the fast-moving brown marmorated stink bug and the slow-moving emerald ash borer. They also considered the influence of wind and temperature during insect movement.

Scientists have long studied how invasive species travel from their native environments to new habitats. Invasive insects affect food security, public health, economic interests and native species biodiversity, Rice says.

In addition to Rice,

team members include Brian Stumph, Miguel Hernandez Virto and Henry Medeiros of Marquette University in Milwaukee; and Amy Tabb, Scott Wolford and Tracy Leskey with the USDA Appalachian Fruit Research Station in West Virginia.

Qualityconscious consumers drive fresh

The beef industry is enhancing its efforts to educate consumers through multiple channels, including in-store, digital and circulars - reaching shoppers where they are and at the precise moment they seek answers. Beef. It's What's For Dinner's new virtual assistant Chuck is an example of these efforts. "Shoppers tend to pur-

chase just a handful of cuts with which they're comfortable," said Bridget Wasser, executive director of meat science and technology for NCBA, a contractor to the Beef Checkoff Program. Eighty-three percent of

shoppers purchase only a couple of meat cuts and kinds, while 42 percent said they would branch out if advised, according to The Power of Meat 2018 report, which was published by the Food Marketing Institute and the Foundation for Meat & Poultry Research & Education. According to NCBA research, what consumers

are searching for most online are recipes. With the Chuck assistant, consumers can select recipes from beefitswhatsfordinner.com, and Chuck will send a list of necessary ingredients directly to their phones. "This results in a seam-

less shopping experience that can help raise overall cart price," said Wasser. "It's also an opportunity to get in front of the shopper, as a lot of times they don't have the patience to wait at the meat counter."



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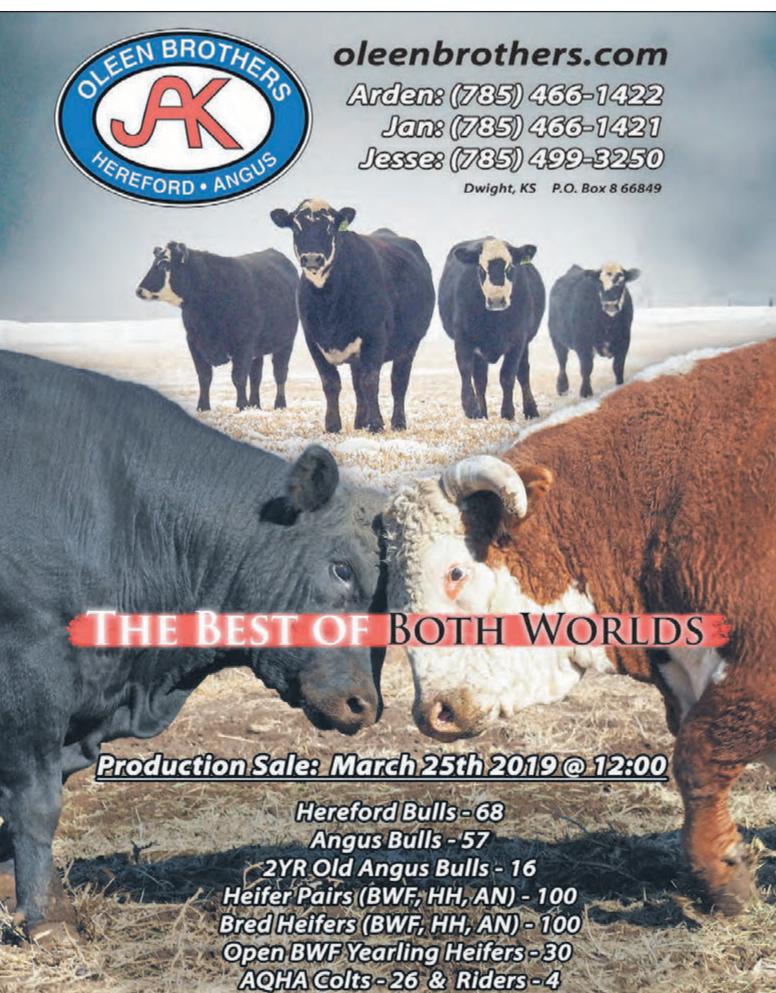
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winners are as follows.

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1st \$700 Pen 56 Devin Arndt 4.896, Emporia 2nd \$450 Pen 61 J & J Farms 4.728, John & Jackie

Lutz, Emporia 3rd \$300 Pen 58 B & L Cattle 4.715, Brody Lutz and Levi Lutz, Madison

4th \$150 Pen 74 Spring Creek Ranch 4.693, Joe and Debbie Reinert, Cassoday

5th \$125 Pen 86 Anderson Ranch 4.677. Matthew & Julia Anderson, Alma

CARCASS

1st \$700 Pen 83 Crown S Ranch, Ken and Kent Schade, Olpe

2nd \$450 Pen 55 Coltin Arndt, Emporia

3rd \$300 Pen 56 Devin Arndt, Emporia 4th \$150 Pen 71 Matt

and Stacie Horton, Amer-5th \$125 Pen 61 J & J

Farms, John & Jackie Lutz, Emporia Overall Gain - Steers for the 260 days from weigh-in

in April until harvest in 1st \$700 Pen 54 G & J Meats 3024 3.877, Gary and

Judy Meats 2nd \$450 Pen 74 Spring Creek Ranch 2944, Joe and

Debbie Reinert, Cassoday 3rd \$300 Pen 61 J & J Farms 2912, John & Jackie Lutz, Emporia

4th \$150 Pen 86 Ander-

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& Julia Anderson, Alma

5th \$125 Pen 67 Dennis and Connie Darbyshire 2888, Hartford

HEIFERS

Pen Avg Daily Gain: 3.858 with a cost of gain of 0.90 cents per pound

FEEDLOT 1st \$700 Pen 10 Spring Creek Ranch 4.270, Joe and

Debbie Reinert, Cassoday 2nd \$450 Pen 30 Jeff and Tonya Fowler 4.2432, Cha-

3rd \$300 Pen 21 J & J Farms 4.2429, John & Jackie Lutz, Emporia

nute

plint Hills

Lutz, Emporia

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Road and 13th Road.

4th \$150 Pen 11 Wittker Farms LLC 4.143, Howard Wittker, Strong City

5th \$125 Pen 17 MAD Cattle Company 4.071, Dexter & Maddix Small. Neodesha

CARCASS

1st \$700 Pen 18 Fredonia Livestock Auction LLC, Don & Carole Haun, Fall River

2nd \$450 Pen 6 Jamie and Heather, Macey and Laney Adams, Neosho Rapids

3rd \$300 Pen 32 D J Edwards, Hamilton

4th \$150 Pen 8 F.J. Redeker and Son, Francis & Tony Redeker, Olpe

5th \$125 Pen 25 Wes Ca-

hoone and Lee Glanville, Cottonwood Falls Overall Gain Heifers for the 260 days from weigh-in in April until har-

vest in January. 1st \$700 Pen 10 Spring Creek Ranch 2786 3.572. Joe and Debbie Reinert,

Cassoday 2nd \$450 Pen 11 Wittker Farms LLC 2704, Howard

Wittker, Strong City 3rd \$300 Pen 30 Jeff and Tonya Fowler 2652, Cha-

nute 4th \$150 Pen 2 Anderson Ranch 2606, Mark, Hanna, Brynn & Ivy An-

– 10:00 AM

The Olma Peak Award for the steers with placings of 8th in the grass futurity, 12th in the live show,

2nd in the feedlot and 5th in the carcass contest, is

presented to Pen 61, J & J Farms, John and Jackie

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mediate possession the day of the auction.

5th \$125 Pen 23 Loomis Ranch 2524, Jason and Justion Loomis, Council

\$500 The Olma Peak Award for the Steers with placings of 8th in the grass futurity, 12th in the live show, 2nd in the feedlot and 5th in the carcass con-

is presented to Pen 61, J & J Farms, John and Jackie Lutz, Emporia.

\$500 The Pres White Award for the Heifers with placings of 2nd in the grass futurity, 1st in the live show, 17th in the feedlot and 8th in the carcass is presented to Pen 23, Loomis Ranch, Jason and Justin Loomis of Council Grove.



Devin Arndt, Emporia, was awarded first place in the feedlot steer division at the Flint Hills Beef Fest Feedlot and Carcass Awards banquet with an average daily gain of 4.896 pounds. The awards were presented by president-elect Jeanette Baker.



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Grass & Grain, February 26, 2019

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Haun, Fall River, were the first place winners in the

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Watch upcoming issues for more complete listings!

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ee last week's Grass & Grain for listings!

Flint Hills Beef Fest carcass division.

AUCTION & REALTY SERVICE

K-State researchers seeking ways to protect flour Most consumers typ- head on to find ways to en- absolutely safe, but they Salmonella introduced at of contaminated flour and That work is finely de

ically don't think that a food safety risk lurks in their kitchen's flour bin, but a handful of product recalls since 2015 in the United States and other countries is changing that mindset.

Rather than accept that it's just the way the cookie crumbles, scientists at Kansas State University are taking the challenge

sure the safety of flour and the many products that are made from it.

"When I was trained as a food scientist, one of the things we were taught is that there were a few products that were generally safe," said Gordon Smith, department head for grain science and industry at K-State. "Maybe those products were not

have been no confirmed consumer illnesses as a result of the suspect flour, but the company issued the recall "out of an abundance of care," according to a statement. The incident symbol-

were on a continuum of

things that were much

lower risk. Flour was one

al Mills announced a vol-

untary national recall of

five-pound bags of its Gold

Medal unbleached flour,

citing the potential pres-

ence of salmonella. There

In January, 2019, Gener-

of those products.'

ized a heightened awareness in the flour industry that the raw product could carry such potent pathogens as Shiga toxin-producing E. coli (STEC) or

some point from harvest in a crop field to the consumer's kitchen. "We are curious about

where the contamination comes from," Smith said. "We can speculate and speculate, but no one knows the answer to that positively or if there's a single source. No one knows where it comes from or what happens during storage or processing."

Armed with world-class laboratories capable of studying dangerous pathogens in controlled settings, the university is replicating commercial milling and baking processes and introducing E. coli and Salmonella at high doses to determine ways to reduce the risk

finished bakery products.

K-State food scientist and microbiologist Randy Phebus has worked for more than 30 years tracking foodborne pathogens. Since 2012, Phebus has been a lead investigator on a \$25 million project to investigate the presence of STEC in beef products and cattle.

He's now part of a K-State group that has turned a watchful eye to flour.

"Ultimately in flour, like in many other products, we would like to have a ready-to-eat, pasteurized product that is safe," he said. "The (food) industry is looking for that type of product, but the reality is that raw, agricultural-based products like flour are not risk free.

"We are on a quest to find a processing method or antimicrobial technology that will help the industry reduce these food safety risks to a very low probability of causing consumers to get sick or companies to have a contamination-related recall."

Kaliramesh Siliveru, an assistant professor in the Department of Grain Science and Industry, is leading computerized modeling of grain processing, re-creating the life of flour from the time a wheat stalk is grown in a farmer's field to the time flour is scooped out for a homemade cake or cookies

That work is finely detailed, essentially building a picture of the entire environment for flour processing.

"You have to make certain that the entire chain is clean," Siliveru said.

He added that, in practice, computerized modeling provides a fuller understanding of the potential spots where E. coli or other pathogens may be found, whether that be in the field, during harvest, at the flour mill, in a consumer's kitchen or someplace else.

"Computer modeling also provides insight into how these pathogens are transferred in the supply chain from farm to table and allows us to design a kill step to inactivate these dangerous pathogens," Siliveru said.

Phebus notes that K-State's work responds to an important industry issue to maintain the safety of flour and baked prod-

"Companies have a brand and the liabilities that go with marketing retail or wholesale flour," he said. "It's also a very important food service issue because if you're a pizza parlor or something like that making bread, you've got to know that you're not going to be making people sick.

"And it's a home kitchen issue because if vou've ever baked a cake, you know that even if you've baked the cake well, the flour gets all over the kitchen, so it's a cross-contamination hazard."

Smith noted that K-State's work includes faculty in the university's grain science department and the Food Science Institute. K-State also is working with the Manhattan-based American Institute of Baking, which works with more than 200 bakery companies across the United States, and several milling and process-

ing equipment companies. Parts of the studies are being carried out in the Hal Ross Flour Mill. located in the university's grain science complex in Manhattan, and in food safety labs in the Department of Animal Sciences and Industry.

"It's high level research, but it's also information that is part of teaching students," Phebus said. "We may be training the first generation of food science, milling and baking science students who will be food safety experts concentrating on grain handling, flour milling, bakery products and even pet food."



division, first place went to Crown S Ranch, Ken and Kent Schade, Olpe. President-elect Jeanette Baker presented the award

UPCOMING AUCTIONS 150 GUNS ESTATE

AUCTION 411 E Walnut, Salina, KS Sunday, Mar 24, 1:00 pm No sales tax, buyer's premium or FFL paper

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FARM MACHINERY & LIVESTOCK EQUIPMENT AUCTION

AUCTIONEER:

Darwin W. Kurtz

785-448-4152

SATURDAY, MARCH 9, 2019 — 10:00 AM AUCTION LOCATED from RANDÓLPH, KS on Hwy. 77 & Hwy. 16 Jct., 6 miles South on Hwy. 77 to Sherman Road then 1/2 mile West on the South side, or Northwest of MANHATTAN, KS on Hwy. 24 to the Jct. of Hwy. 24 & 77 (Riley Corner) go 3 1/2 miles North on Hwy. 77 to Sherman Road then 1/2 mile West on the South side to 9691 Sherman Road, LEONARDVILLE, KS.

SALE ORDER: Tools, Furniture, Collectibles, Livestock Equipment, Truck, Trailers, Tractors & Machinery



Cat D5H high track dozer, SN-8RC00536, 6-way 10' blade, low hours on a new Power-Shift transmission put in 2014, runs and starts good; 1984 John Deere 4250 FWA tractor with SGB cab, Power-Shift, triple hyd., 18.4x38 tires, new cab kit, less than 100 hrs. on a remanufactured engine and transmission overhaul, good shape; 2003 New Holland TS110 FWA diesel tractor with AC cab 4180 hrs., 18.4x34 very good tires, 4 hyd. outlets, joystick loader control, rear weights, good shape, sells with a New Holland 7312 loader with 7' bucket; bale spear and pallet forks for New Holland loader; 1984, 6080 Allis Chalmers diesel tractor with 200 hrs. on overhauled motor, dual hyd., 3 pt. 18.4x34 good tires, full set of front weights, good shape; 1965 Allis Chalmers One Eighty diesel tractor, 3 pt., dual hyd., shows 6153 hrs.; John Deere 265 self-leveling loader with JD 50 series mounts and new MDS 8' bucket with heavy duty grapple fork.
PICKUP & TRAILERS

2009 Dodge Ram 2500 HD 4 door quad cab 4x4 pickup with Cummins Turbo diesel motor, 6 sp. manual transmission, 171,000 mostly highway miles, running boards, good tires, good ruck; 2009 Eby Maverick 7 aluminum gooseneck stock trailer with 2 divide gates, 1 with slider gate, good rubber, good shape; PJ 8'x20' plus a 5' dovetail gooseneck flatbed trailer with 3 flip over ramps, tandem axle and 2 jacks, good.

MACHINERY John Deere 2280 diesel 14

self-propelled swather with AC cab, steel rollers, 2314 hrs., SN534364E, new injector pump and air conditioner compressor; Donahue bumper hitch swather trailer, good; John Deere 466 big ound baler, twine tie, shedded; New Holland 271 wire tie square baler, good, shedded; New Holland 617 9' 3 pt. disc mower good; Panorama 8-wheel type rake with hyd. raise; White 5700 Seed Boss 6-row 30" 3 pt. air planter with monitor, new hyd. drive pump, insecti-



plates, shedded; Bush Hog No. 2615 Legend 15' batwing rotary mower with 1000 rpm PTO and mower blades; IHC rigid 4500 17' vibra-shank with 3 bar WilRich tine harrow, good; Glencoe 3 pt. 12' field cultivator; 12' Krause 3 pt. chisel with hyd. depth control gauge wheels and curved shovels: Landoll 13 shank 12' 3 pt. chisel with hyd. depth control gauge wheels and curved shovels; Krause 618, 12' tandem disc (needs 5 new blades); IHC 130 PTO manure spreader; Hesston 2000-100 pull type forage chopper with windrow pickup head; New Holland Crop Carrier 8, 4-wheel PTO silage wagon with front and rear unload, metal sides and hood, adjustable tongue; 4-wheel flat wagon with electric running gears; trail type 300 gal. poly tank boom sprayer with rebuilt pump; 100 gal. poly tank on frame; Rhino 3 pt. post hole dig-ger with 12" and 9" augers. LIVESTOCK EQUIPMENT

Palco heavy duty portable squeeze chute with palpation cage and 8' alley with end gates and Digi Star 12v or 110v scale, this unit has the thick quiet rubber flooring and heavy cable winch for set up, good condition; 2 heavy duty 9' square hay saver hay bunks, very good; (2) 20' steel silage or grain bunks on skids (made from large pipes); (4) 12' and (2) 10' metal grain bunks, good; 2 big round bale feeders; 4 roller poly liquid pro-tein tank; Elk River 1 sided calf creep feeder with poly bottom, good; (13) 10' galvanized pipe portable panels; W-W head gates; freeze branding irons; tattoo tools; assorted good netting and barb wire; cattle taggers and tags; 2 stall fans; large dehorners; Al supplies; Gallagher S22 solar fencer, like new; Gallagher Wrangler 110 electric fencer. GENERATOR, TOOLS, STOVE

& MISC.

Dayton 25,000 KW continuous PTO generator on wheels, very

sorted hand tools; several power

Austin Cline, Auctioneer, Frankfort, KS • 785-565-3246

www.mcclivestock.com/clinerealty

with extra PTO shaft; as







etc.; C-clamps; battery charger; hand barrel pump; Professional Craftsman 2800 PSI, 8.5hp power washer; old-Honda Rancher 300 4-wheeler; Some of these next items were used in the auction facility: Riverside Aer-

Duct No. 628 wood or coal burn ing stove, all redone, very good, READY TO USE; Viking-Bally Pinball machine, lights up bu not working now; 3-cushion leather divan; upholstered divan with ornate wood trim; large wall mirror; very nice wooden corner booth; approx. 50 wooden and metal chairs and bar stools of various kinds, all in good condi tion; several nice wooden round, oval and rectangle dining tables large set of white china plates forks, spoons, butter knives and PLUS OTHER MISC. ITEMS!

SELLERS: LINDELL ANGUS • MICHAEL & SHARON LINDELL Phone Michael: 217-370-7483 • Sharon: 785-210-9690

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AUCTION

SATURDAY, MARCH 2, 2019 — 9:30 AM 415 So. Ash. OLG Hall — NEWTON, KANSAS

Approximately 400+ Toy Tractors, Trucks & Implements. These are Farmall, Internationals, McCormick Deering & others. 1/12 scale to 1/64ths. Several precisions.

PICS & LARGE LISTING: www.auctionspecialists.com **SELLER: ALVIN FRIESEN ESTATE**

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SATURDAY, MARCH 2, 2019 - 9:00 AM

TRACTORS: 1991 JD 4255 dsl. w/12k hrs, power shift & dual hyd; 1973 JD 4230 w/Turbo, power shift, dsl. w/8K hrs since overhaul, dual hyd; 1993 JD 6400, dsl. w/quad range, 10K hrs; 1974 JD 2630 dsl w/10K Tractor hrs & 2K eng. hrs since overhaul; 1964 JD 4020 dsl. w/GB 900 Workmaster Loader, synchro trans; 1974 Ford 5000 dsl. w/GB 800 Workmaster Loader; Cockshutt 560 dsl. w/3pt & WF; 1949 Minneapolis Moline U (good); *All tractors are*

in good working condition.

FARM EQUIPMENT: JD 7721 pull type combine w/18' grain head: JD 3970 chopper w/3 row corn New Holland silage blower & pipes; Great Plains Solid Stand 24 folding drill; JD 8350 20 hole 8" drill w/new 13" disc; Sitrex MK 14-16 Magnum 16 wheel hi-clearance rake; Sitrex 12 wheel rake; Hesston 3982 12 wheel rake; JD 7000 6 row/30" planter w/Kinzie updated seedboxes: Hesston 1170 hydra swing 16' swather; Hesston 1365 hydra swing 14' swather; Hesston 1014 hydra swing swather (as is); IH 575 manure spreader (new floor); 2 Gehl BÚ 810 forage wagons; 2 New Holland 664 round balers w/tally of 11k bales each; New Holland 320 small square baler (twine-good cond); Hoelscher bale accumulator (trailer); Farmhand-loader mount bale accumulator; Farmhand F 258 loader w/ grapple forks, spears for round & 3x3; JD running gears; SpeeCo quick hitch; Wilbeck 1128 12' offset (converted to turbo); JD 1010 28' field cultivator; 2 JD F1350-F1450 5-18 plows; JD 6 row rotary hoe (3pt); Krause 11 shank chisel (3 pt); Sterling 10' roller packer; dbl wheel packer; Bush Hog VT 4-12 6 row cultivator (3 pt); Krause 1582 dbl offset disk w/ new blades & bearings; Krause 2869 12' Soil Saver (heavy duty); Wilbeck 16' offset disk; Oliver 14' chisel; Graham 12' chisel; Krause 10' chisel; Crustbuster 26' & 28' springtooth; 16' round harrow; Krause 15' disc; JD 200 30' bale elevator; 3-side delivery rakes, JD-Massey-IH; grain hopper-transfer station w/4' auger Hutchinson 60' 10" grain auger (PTO); MayRath 34 8" grain auger (hyd); 48' semi hay trailer; Derby 5K gal water tank semi trailer; New Idea flail manure spreader (as is); JD 7' Whirlcut mower; 2-6'x20' livestock trailers; Hale 6'x16' livestock trailer; 3-9'x16' hay trailers; 3-10'x20' hay trailers; Huskee 225 bu. gravity wagon; Parker 250 bu. gravity wagon; 3 Huskee 165 bu. gravity wagons; 2 M&W 400 bu. gravity wagons; Bradford 200 bu. gravity wagon; 300 gal field sprayer; 8'x14' dump trailer; IH pickupbed trailer; Chevy

LOCATION: 8911 S. Yoder Rd — HAVEN, KS 67543 • From Yoder, KS go North ¾ mile to location. pickup bed; Howard 7' rotary tiller (3pt); gin pole; 18' port. hay feeder; lots of old equipment for salvage; lg. quantity of steel, copper, alum., stainless steel junk;

used tractor batteries; PLUS MORE. FARM & LIVESTOCK ITEMS: 5 ton bulk bin; wind-mill; 2-3 ton port. cattle feeders; corral & round pen panels; implement tires; tractor wts; 250 gal propane tank; DeLaval milkers; stainless Milkhouse vat; various engines; trash pump; hyd hoses; baler belting; implement jacks; implement seats; misc tractor lights; used horseshoes; misc. lumber; hitch pins; clevises; lawn sprayer; tarps; firewood; steel pipe & tubing; old elevator leg grain cups; log chains; fencing supplies; T-Posts; hedge posts; propane bottles; 4 fuel tanks; baler twine; 4 trailers w/farm related items. SHOP TOOLS: Lincoln welder w/7k watt generator stationary engine power unit; Contractor 3000PSI power washer w/Honda eng.; air compressor; forge tools; 150# anvil (no name); FMC dual power/mag tire machine & tools; Ridgid pipe threader (hyd); Walke 4 ton floor jack; DeWalt cordless tools 18V); hyd jacks; chain hoists; older line shaft drill press & dbl head floor grinder; grease & caulking guns; various air tools; patio/shop heater; steel bolt bins; welding tools; crescent wrenches; vise grips; open & boxend wrenches; socket sets; hand saws; C-clamps; paint sprayer; lots of misc. hand tools; 5 trailers loaded w/misc tools.

LAWN & GARDEN: JD G-S 45 54" commercial walk behind mower; Massey Ferguson 12 lawn tractor; Troy Bilt 32" lawn mower; lawn cart; MF snowblower; Stihl 015 & 028 chainsaws; lawn & garden tools. FARM PRIMITIVES & COLLECTIBLES: Single buggy; road cart; steam whistle; equipment manuals; cast iron seats; old truck horns; old well pumps; old gas cans; wooden boxes & crates; spade lugs; buggy steps; steel wheels; buggy wheels; wooden bolt bins; 2 Burbank platform scales; garden gates; old windows & doors; wash tubs; iron kettle; chicken nests & feeders; sausage stuffer; old saddle; milk cans; plus many more items not listed. HOUSE-HOLD & COLLECTIBLES: Cast iron toys; oil & gas lamps; old wooden childrens toys; games & puzzles; pocket knives; teachers school bell; granite coffee pot & pans; canning jars; Blue jars; White Mountain ice cream freezers; lots of misc. glassware; 3 wooden rockers; dining table w/6 chairs; quilt stands; misc. bedding; quilts; animal & bird figurines; *plus* many more items.

AUCTIONEER'S NOTE: We will be starting on trailers at 9:00, with the second crew starting on another trailer at 9:30 and the 3rd crew starting on household at 10:00. Selling tractors at approximately 1:00 to 1:30, followed w/equipment. A very large auction with many items not listed, so bring a friend and spend a full day with us. *Thanks Morris*

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Kansas Hay Market Report

Hay market trade activity is light to moderate. Demand remains moderate. Prices remain steady for all hay types. Hay movement has picked up only slightly, with the weather being the limiting factor. Inquires continue to come in daily from those in need of hay, as this winter weather continues to try our patience. Although the ground hog declared spring was on its way, it can't arrive soon enough for most folks. On the positive side, the sky begins to lighten a littler earlier each morning which is a good indications that spring is indeed coming. If you have any extra hay to sell and/or need hay here in Kansas, use the services of the Internet Hay Exchange: www.hayexchange.com/ks.php.

Southwest Kansas

Dairy alfalfa, grass hay, grinding alfalfa, ground/ delivered steady; movement slow to moderate. Alfalfa: horse, premium small squares 280.00-300.00. Alfalfa: Dairy 1.00-1.05/point RFV, Supreme 185.00-210.00, Premium 170.00- 195.00, Good 160.00-170.00. Stock or Dry Cow 190.00-200.00. Fair/Good grinding alfalfa, 170.00-180.00. Ground and delivered locally to feedlots and dairies, 195.00-205.00 with an instance at 215.00-220.00; Bluestem, premium small squares 140.00-150.00; Sudan: large rounds 65.00-75.00; Cornstalks: Large rounds 65.00-75.00, ground and delivered 85.00-90.00; Wheat straw: large rounds 65.00-70.00. The week of 2/10-2/16, 10,955T of grinding alfalfa and 1,085T of dairy alfalfa were delivered. The average paid by feedlots on February 1 for alfalfa ground and delivered was 194.46, up 1.28 from last month, usage was 603T/day, down 9.5 pct., and total usage

South Central Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, alfalfa pellets, grass hay steady; movement slow to moderate. Alfalfa: horse, small squares 200.00-210.00. Dairy, 1.00-1.10/point RFV, Supreme 195.00-215.00, Premium 175.00-200.00, Good 165.00-175.00. Stock cow, 170.00-180.00 delivered. Fair/Good grinding alfalfa, 150.00-165.00. Ground and delivered locally to feedlots 180.00-190.00 with an instance at 200.00; Alfalfa pellets: Sun cured 15 pct protein 215.00-225.00, 17 pct protein 215.00-230.00, Dehydrated 17 pct 255.00-265.00; Grass hay: Bluestem, small squares 8.00/bale, mid squares none reported, large squares 130.00-140.00, large round none reported. Brome, none reported; Sudan: large rounds 75.00-85.00 with an instance at 100.00-105.00; Wheat Straw: large rounds 65.00-75.00. The week of 2/10-2/16, 5,387T of grinding alfalfa and 1,300T of dairy alfalfa were delivered. The average paid by feedlots on February 1 for alfalfa ground and delivered was 175.18, up 4.08 from last

Personal Collection of Richard & Martha Newkirk SATURDAY, MARCH 23, 2019 — 9:00 AM

1390 Lynx Road — BURLINGTON, KANSAS 66839 International & Farmall Tractors, Implements, Parts & Accessories arge amount of Wheel Horse lawn & garden tractors & equipment IH Cub Cadet collection; stationary gas engines including a 3 hp John Deere w/original cart; Pedal Tractors; John Deere tractor & implements; Lots of collectibles & farming equipment; Signs Trucks & Trailers; and lots lots more!

Complete sale bill: www.kansasauctions.net/kurtz AUCTIONEER:



Darwin W. Kurtz 785-448-4152

Richard Newkirk, Owner

- 10:00 AM SATURDAY, MARCH 2, 2019 -At the Barnes Firehouse — BARNES, KANSAS The NW ¼ 19-5-5, Lincoln Township, Washington County, Kansas

150 acres, m/l, with 117 acres upland cropland, balance is creek, timber, and waterways. The farm is located southeast of Greenleaf or southwest of

Barnes Terms: Ten (10) percent down, the balance due in 30 days. Pos-

session at closing. There are no growing crops. Announcements the day of the auction take precedence over previous advertising.

NORMAN L. KOPLIN

Raymond Bott Realty
Washington Land Auction by:

Washington, Kansas

& Auction www.BottRealtyAuction.com

AUCTION

SATURDAY, MARCH 9, 2019 — 10:00 AM The following Farm Machinery, Equipment, Shop Equipment, Tools & Misc. will sell at Public Auction at 4535 S Plummer Road, Chanute, KS. From Jct. of 169 Hwy & Co. Road 180th, go 1 Mile East on 180th to Plummer then 1/4 Mile North or From Jct. of 169 Hwv & 35th Street (Loves Truck Stop) go 1/2 Mile East on 35th to Stop Light then 3/4 Mile South on Plummer Street Across from the Power Plant

FARM MACHINERY (approx. 1:00 PM): 1995 75 C Cat Challenger Trac Tractor, 3 pt., 217 hrs. on new engine, 4600 hrs. on Trac-tor, 4 Hyd. Remote, Cab Air, Heat - Nice!; 1979 2675 Massey Fergu son Tractor, 3 pt. 1000/540 PTO, Duals, 3 Rear Remote, 2965 hrs. Cab Heat & Air; 1991 New Holland TR86 Combine – 3000 hrs., Hydro; 972 NH Flex Head, 20'; NH 6 Row Corn Head; Kano 30' NH3 Applicator; NH3 Tank Running Gear; White # 426 26' Chisel; Bushhog 12 Spring Shank Chisel; Krause # 2450, 32' Disc, 20" Front 21" Rear; JD 1050 – 46' Field Cultivator, w/3 Bar Mulcher; JD #400 20' Rotary Hoe; Glenco 8 Row Cultivator w/Rolling Fenders; 2 AC 5x14 Semi Mount Plows; 1993 JD #455 Wheat Drill, 30', 7.5#; IHC 5500 30', 15" Soybean Special Planter/Drill; 500 gal. Stainless Steel Slide in Sprayer w/B&S Gas Engine; Portable Mayrath 52', 8" Auger w/Swing Out; Portable Ke-wanee 50', 6" Auger. ATV: 1987 Honda Forman 4

TRUCKS & TRAILERS: 1996 Dodge 1500 2W Drive, 86000 mi., V8, Ăuto, LW Bed; 1981 Chevy 1 ton 4x4 454 Engine (Only 3,000 mi. on Engine) w/Nice Utility Bed, 5 Spd.; 1973 C-65 Chevy Grain Truck, All Steel, 20' Bed & Hoist, 427 V8, 5 Spd. w/2 Spd. Tandem Axle; 1965 IHC 1600 Grain Truck w/20' Steel Bed & Hoist V8-4 Spd. /2 Spd. Tandem Axle 20' Car Trailer w/Elect Brake; 8' 2 Wheel ATV Trailer; 200 Bushel Gravity Wagon w/Hyd. Auger, Ext. & Tarp.

FUEL TANKS: 500 gal. on

Stand; 300 gal. on Stand. TRUCK ENGINE: IHC 345, V8, Completely Rebuilt, Still on Engine Stand.
SHOP EQUIPMENT: Engine Lift

Bench Drill Press; Shop Cabinet; 10 Ton Porta Power; Craftsman 10" Radial Arm Saw; Pipe Wrenches; Wheel Puller, Dido Blade, Drill; Files/ Rasps, Airless Paint Sprayer; Motor Manuals, Shop Fan Bottle Jack, 2 Floor Jacks; Portable, Gas Power Air Compressor; Bench Grinder, Skill Saw; Coleman Powersport 5000 Portable Generator; Fimco 40 Gal. Sprayer; 2 MS170 Stihl Chain Saws.

ANTIQUES: Metal Kitchen Cab inet, Base w/Porcelain Top; 4 Drawer Chest; Steel Wheel Feed Card; Wood Puller, Screw Jack; Hand Tools, Socket Sets; Hay Fork, Hay Dollie; Hand Saws; Lots of Items from 3 Generations!

MISC.: 1 Hp. Grain Bin Fan;

Wheel Barrow; 5 elect. Motors, 3 B&S Gas Engines; Tires & Wheels; 4 Hyd. Cylinders; Lots of Good Hyd. Hose; Lots of Nuts. Bolts & Screws: Hammers, Punch es, Chisels; Lots of Other Items

Too Numerous to Mention! OWNERS: WICKER FARMS • Glenn Wicker, 620-433-1366 For Pictures go to websites: www.lmarshallauctionandrealty.com or www.kansasauctions.net or email: marshallauction@twinmounds.com

Find us on Facebook @ Larry Marshall Auction and Realty LIKE US to receive ALL OUR AUCTION SALE BILLS! Newton Family Concessions & Rest Room Available. Tractor & Loader will be available.

CLERKS & CASHIEER: Gayle Garretson, Lorrie Marshall, Rita Voth

TERMS: Cash or Approved Check. Must have positive ID to Bid. Nothing removed until settled for; all items sell as is where is with no warranties or guaran-ties from seller or sellers agent. Not responsible for accidents or theft.

AUCTIONEERS: Larry Marshall, 620-485-6136 * Mark Garretson, 620-433-2561 month, usage was 336T/day, down 13 pct., and total usage was 10,416.5T.

Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady; movement slow to moderate. Alfalfa: horse or goat, 220.00-245.00. Dairy 1.00-1.05/point RFV. Stock cow 180.00-190.00. Fair/Good grinding alfalfa, 165.00-175.00. Ground and delivered, none reported; Grass hay: Bluestem, premium small squares 140.00-150.00. Good, mid squares 125.00-135.00, large squares, good quality 110.00-115.00, better quality, 130.00-140.00, large rounds 110.00-125.00 with an instance at 130.00. Brome, good, small squares 150.00-160.00, mid squares 140.00-150.00, large squares 145.00-155.00, large rounds 125.00-135.00; Sudan: large rounds 80.00-90.00; Oat hay, mid squares 150.00-160.00; Wheat Straw: mid and large squares 75.00-100.00. Mulch: large rounds 50.00-60.00. The week of 2/10-2/16, 1,188T of grass hay was delivered.

Northwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady, movement slow. Alfalfa: Horse or goat, 220.00- $230.00. \ \ Dairy, \ \ Premium/Supreme \ \ 1.00\text{-}1.05/point \ \ RFV.$ Stock cow, fair/good 160.00-165.00. Fair/good grinding alfalfa, 140.00-150.00. Ground and delivered locally to feedlots and dairies, 150.00-160.00; Alfalfa/oat mix, large rounds 100.00-120.00.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady; movement slow. Alfalfa: horse, premi-

Grass & Grain, February 26, 2019 um small squares 9.00-10.00/bale. Dairy 1.00-1.05/point RFV, Supreme 185.00-210.00, Premium 170.00-195.00, Good 160.00-170.00. Stock Cow, 195.00-200.00. Fair/Good, grinding alfalfa, 140.00-150.00 with an instance at 160.00. Ground and delivered 170.00-180.00. Grass hay: Blue stem, small squares 8.00-8.50/bale, large squares 120.00-130.00, large rounds 100.00-110.00 with an instance at 125.00 to 135.00. Brome, small squares 9.00-10.00/bale, large squares 150.00-165.00, large rounds 115.00-125.00 with an instance at 140.00-150.00; Sudan: large rounds 80.00-90.00; Wheat Straw: small squares 6.00-7.00/bale, large squares 100.00-110.00, and large rounds 85.00-95.00. The week of 2/10-2/16, 501T of grinding alfalfa and 400T

***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

of dairy alfalfa were delivered.

*RFV calculated using the Wis/Minn formula.

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

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

EXCITING TIME



Members of the beef industry have a lot to say about Simmental and SimAngus™. This feedback is invaluable and tells us that Simmental is headed in the right direction. ASA's focus on profitability through science means that we will continue to put our customers' best interests at the forefront of everything we do.

Contact these SimGenetic Breeders for more information

BROOKS SIMMENTALS Manhattan, KS www.brookssimmental.com CLINE CATTLE COMPANY Onaga, KS • 785-565-3246 **COW CAMP RANCH** Lost Springs, KS www.cowcampbeef.com **DICKINSON RANCH** Gorham, KS www.dickinsonranch.com **DIKEMAN SIMMENTALS** DIXSON FARMS, INC. www.dixsonfarms.com

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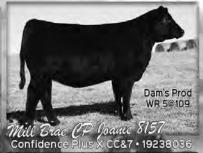
THE FINAL ROUND-UP SELLING ALL THE 2018 BULLS & HEIFERS Saturday, March 9, 2019 • Noon • Maple Hill, KS







1 API CED BW WW YW SC MIIK Marb RE \$W \$B .0.0 127.6 3 2.2 81 148 .82 26 .51 .79 74.63181.72



CED BW WW YW SC Milk Marb RE \$W \$B

EPDs current as of 12/21/18

140 Angus Bulls (100+ HEIFER BULLS) 15 SimAngus Bulls

150 Angus Heifers 25 SimAngus Heifers

Confidence Plus, Identified, Payweight, Breaking News, Comrade, Remedy, Cowboy Up, Niagara, Whitlock, Renown, Resource, Bounty, Sharper Image, & Graduate

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Grass & Grain, February 26, 2019 USDA conducts March hogs and pigs survey; results to publish March 28

Agriculture's National Ag-Hogs and Pigs Survey. The ricultural Statistics Seragency will survey pork vice (NASS) is contacting producers for detailed in-

producers for the March formation on market hog and breeding stock inventories as well as pig crop and farrowing intentions

"According to the most recent Quarterly Hogs and Pigs report in December, hogs and pigs in the United States," said Doug Bounds, KS State Statistician of the NASS Kansas Field Office. "The March survey and resulting report will continue to provide important indicators for the industry of what changes are occurring - if any."

NASS will mail the questionnaires to all producers selected for the survey in late February. To ensure all survey participants have an opportunity to respond, NASS interviewers will contact producers who do not respond by mail or online to conduct telephone and personal interviews.

The data gathered in this survey allow NASS to accurately measure and report conditions and trends in the U.S. pork industry over the course of the year. The information is used by all sectors of the industry, including producers themselves, to help make sound and timely business decisions.

NASS will publish the survey results in the Quarterly Hogs and Pigs report on March 28. All NASS reports are available online at www.nass.usda.gov/ Publications/. For more information, call the NASS Northern Plains Regional Office at (800) 582-6443.



The Pres White Award for the Heifers with placings of 2nd in the grass futurity, 1st in the live show, 17th in the feedlot and 8th in the carcass is presented to Pen 23, Loomis Ranch, Jason and Justin Loomis of Council Grove.

KEY FEEDS CATTLE MINERAL SALE:

Buy 20 bags and get 1 bag free!

Order by April 30 and ship by May 31 for free bag special

Key Feeds will custom mix your cattle mineral the way you want.

Choose any of the following additives:

• Chlortetracyline • Zinpro Availa 4 chelated trace minerals • MOS 3 choices of fly control:

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Joseph Ebert, VP

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MINNEAPOLIS LOCATION: **TIPTON LOCATION:** James Carr • 785-630-0491 Tim Wiles • 785-630-1049

STEERS

390

440

445

580

635

701

702

809

819

874

918

1029

340

HEIFERS

5

27

29

15

63

CLAY CENTER LIVESTOCK SALES INC.

2

13

16

479

542

649

664

715

747

763

818

TOP BUTCHER COW:

\$69.00 @ 1,495 LBS.

TOP BUTCHER BULL:

\$73.50 @ 2,030 LBS.

BRED COWS:

154.00

145.00

134.50

129.00

128.50

127.50

127.00

125.50

\$750

Cattle sales Tuesday, 11:00 AM. Report from February 19th, 2019

180.00

180.00

179.00

172.50

166.00

147.00

146.50

138.75

138.50

136.35

135.25

125.25

166.00

SHEEP & GOAT SALE

SAT., MARCH 2 10:00 A.M. — HAY & EQUIPMENT 11:00 A.M. — SHEEP & GOATS

28 bred commercial Ewes. All sonogrammed preg &

Clay Center, Ks • Barn Phone 785-632-5566

Clay Center Field Representatives:

LIVESTOCK SALES INC. Wednesday Sale, Hogs NOON • Cattle 12:30 PM

Report from February 20th, 2019

THERE WAS NO SALE DUE TO **WEATHER CONDITIONS**

CONSIGNMENTS FOR FEBRUARY 27 35 blk X strs & hfrs 650-750 lbs 45 Ang X strs & hfrs...... 500-650 lbs 45 Red X strs & hfrs...... 700-800 lbs 60 blk X strs...... 900-925 lbs 30 Ang X hfrs, replacement quality ... 725-775 lbs 30 blk X hfrs...... 725-775 lbs 70 mix strs...... 825-850 lbs



If you need assistance in marketing your cattle please call & we will be happy to discuss it with you.

JUNCTION CITY, KANSAS • Barn Phone 785-238-1471

Seth Lauer 785-949-2285, Abilene Tom Koch, 785-243-5124

KARL LANGVARDT Cell: 785-499-2945

MITCH LANGVARDT Cell: 785-761-5814

LYNN LANGVARDT Cell: 785-761-5813

vacc. Nice set of commercial ewes.

Radio Market KCLY-Fm 100.9

7231

Lance Lagasse, 785-262-1185

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TOUR OF DUTY x REGIS - 19237347





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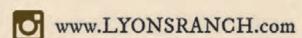
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 HD50K tested & ready to go to work for you — Sons of some of the most solid bulls in the breed: Payweight 1682, Comrade, Resource, Tour of Duty, Fortress, Insight and Confidence 3159 5.PREMIUM

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Jan and Frank Lyons 785-499-2945 or 785-499-2944 2481 McDowell Creek Road AmyKarl@LyonsRanch.com Manhattan, KS 66502

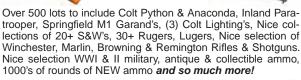




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ONLINE NOW! Ends Tuesday, 7 PM CST



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ACCEPTING CONSIGNMENTS for our April 2019 Collectors Gun Auction. CALL TODAY!!

One of America's Best-Known & Respected Specialty Gun Auctioneers! ArmsBid.com

livestock sale co.

SALE EVERY WEDNESDAY IN EMPORIA, KANSAS AT 11:00 AM 620-342-2425 or 800-835-7803 toll-free • Fax: 620-342-7741

Date: 2/20/19. Total Head Count: 735. COWS: \$45-65.00, light test. BULLS: \$85-94.00, light test.

BULLCALVES	17 mix742@140.50
7 mix530@151.00	26 blk824@137.00
9 bkbwf674@124.50	31 blk802@136.25
HEIFERS	63 blk866@136.00
6 bkbwf459@167.00	16 blk893@136.00
4 blk426@166.00	70 bkbwf 810@135.50
15 bkbwf 585@141.00	
10 blk661@140.00	33 blk856@134.00
4 blk653@134.00	133 mix882@131.75
18 blk789@128.75	17 blk911@135.00
18 mix790@128.25	8 blk931@135.00
6 blk760@128.00	39 mix931@132.75
16 blk812@128.50	27 blk987@132.75
5 blk 898@126 75	22 blk 989@130 00

@135.00 @132.75 @132.75 22 blk.....989@130.00 53 mix.....947@128.75

STEERS 3 bkbwf...520@167.00 **CONSIGNMENTS FOR FEBRUARY 27**

• 150 blk strs & hfrs, longtime weaned & 2 rds shots, 550-850 lbs. • 93 Char strs & hfrs, 600-900 lbs.

65 blk strs & hfrs, 750-850 lbs



THANK YOU FOR ALL OF YOUR CONTINUED SUPPORT! YOUR BUSINESS IS ALWAYS APPRECIATED! For Cattle Appraisals Call: BRODY PEAK, 620-343-5107 GLENN UNRUH, 620-341-0607 LYLE WILLIAMS, Field Representative, 785-229-5457 WIBW 580 - 6:45 A.M. Thurs; KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.

To see more consignments go to: emporialivestock.com

By Troy Smith

U.S. Secretary of Agriculture Sonny Perdue understands how important export markets are to U.S. agriculture, and he's made sure that President Donald Trump understands it, too. Perdue offered that assurance in a media conference and during a speech delivered to cattle folk attending the recent 2019 Cattle Industry Convention in New Orleans, La. The Secretary also commented on issues such as so-called "fake meat," the new federal farm bill, and the electronic logging device (ELD) mandate, but devoted a majority of his time to what he called three priorities for agricultural producers, "trade, trade and trade."

Referring to trade talks with China, Perdue said he believes negotiations are re-entering a phase of cooperation. He cited a serious desire, on both sides, to arrive at a trade agreement. He added, however. that any agreement made on paper must be accompanied by a willingness to comply with its rules.

Perdue said trading partners must act like

"good neighbors." Likening past behavior to that of a cattleman that purposely and repeatedly lets his stock get into a neighbor's pasture, Perdue referred to China's forced transfer or theft of intellectual property as unneighborly.

"You've got to respect that what's yours is yours and what's mine is mine. You've got to respect the rules," said Perdue. "That's how trade is supposed to work."

Perdue also warned against the folly of becoming too dependent on any one customer, neglecting other markets. He noted ongoing efforts to open and expand trade in Southeast Asia, Europe and Japan by trying to remove tariff and non-tariff barriers to U.S. beef and other agricultural products.

Regarding the development and expected commercialization of cell-cultured meat, Perdue acknowledged tension between the USDA and the Food and Drug Administration (FDA) concerning which agency should have oversight of production, packaging and labeling. He said both agencies are

in the "food safety business" and need to get along, so jurisdiction will be shared.

"In the case of cell-cultured proteins, the FDA does have some expertise, and it's probably appropriate that it be involved. But when it comes to (cell) harvest, packaging and labeling, I want you to know that USDA is going to be there," stated Perdue.

Commenting on the new farm bill. Perdue credited cattle industry efforts in advocating for its National Animal Disease Preparedness Program and National Animal Vaccine Bank. This measure secures \$120 million in funding for programs including a foot-and-mouth disease (FMD) vaccine bank. Perdue said the bill includes "other good things," such as enhancements to the Environmental Quality Incentives Program (EQIP)

STEERS

13 blk bwf strs 552@176.50

11 blk grey strs 437@156.00

blk bwf rwf strs 671@144.50

HEIFERS

2 blk str

6 blk strs

6 blk strs

7 blk strs

8 blk strs

4 blk strs

4 blk bwf hfrs

blk strs

5 blk bwf strs

422@175.50

491@175.50

577@171.00

563@170.50

662@153.00

678@149.50

675@137.50

816@136.00

812@135.50

929@132.50

438@158.00

and other conservation programs. The legislation also maintains funding for USDA's Market Access Program and Foreign Market Development Program, which aid development of global markets for U.S. beef, pork and lamb.

"I know the ELD mandate has been a thorn in your flesh," said Perdue, referring to the federal Electronic Logging Device mandate and its limits on truckers' hours of service. While livestock hauler compliance has been delayed temporarily, Perdue said the rule needs to be amended for haulers of perishable cargo.

"The mandate doesn't make sense for cattle transporters and drivers hauling other perishable goods," Perdue allowed. "I do think Congress is starting to listen and may come to understand the need for consideration of perish-

450@158.00

476@151.00 534@151.00

496@150.00

569@150.00

609@147.75

431@140.00

443@140.00

667@137.00

693@132.50

710@131.00

737@129.75

725@128.50

759@127.00

732@125.25

Holton Livestock Exchange, Inc.

1/2 mile East of Holton, KS on 16 Highway

Livestock Auction every Tuesday at 12 NOON

Serving the Midwest Livestock Industry for 67 Years!

****STARTING TIME: 12:00 NOON****

MARKET REPORT FOR TUESDAY, FEBRUARY 19, 2019

RECEIPTS: 559 CATTLE

VIEW FULL RESULTS ON OUR WEBSITE.

6 blk hfrs

5 blk hfrs

3 blk hfrs

10 blk hfrs

4 blk hfrs

7 blk hfrs

7 blk hfrs

7 blk hfrs

8 blk hfrs

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Barn Phone • 785-364-4114

WEBSITE: www.holtonlivestock.com

EMAIL: dan@holtonlivestock.com

View our auctions live at "Imaauctions.com

5 blk red hfrs

4 blk red hfrs

14 blk bwf hfr

4 blk rwf hfrs

4 blk bwf hfrs

14 blk bwf hfrs

In closing, Perdue lamented how government is hindered by political posturing, among both Republicans and Democrats, and how Congress often seems determined to keep the administration from succeeding with anything.

"We really shouldn't let the good of the country suffer because we don't want the other part to have a victory," stated Perdue. "We ought to stop the silly politics and make decisions that are good (for) the people of this country."



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DORAD LIVESTOCK AUCTION, INC.

316-320-3212

Fax: 316-320-7159

2595 SE Highway 54, P.O. Box 622,

El Dorado, KS 67042 Market Report - Sale Date 2-21-19. 414 Head.

Trend on Calves: Not enough steer & heifer calves for a good market test. Trend on Feeder Cattle: 2 loads of Feeder Steers, 889#@\$131.75; 1 load of Feeder Steers, 906#@\$132.50; 1 load of Feeder Steers, 756#@\$142.50. Trend on Cows & Bulls: Butcher Cows, not enough for a market test; Butcher Bulls, not enough for a market test.

EARLY CONSIGNMENTS FOR SPECIAL GRAZING CATTLE SALE: THURSDAY, FEBRUARY 28:

EXPECTING 1.500-1.700 HEAD!

35 black steers, 600-725 lbs.

- 70 black steers & heifers, weaned, 575-625 lbs. 25 black steers & heifers, weaned, 675-725 lbs.
- 80 black steers & heifers, longtime weaned, 550-650 lbs.
- 57 steers & heifers, homeraised, 700-850 lbs. 240 mix steers & heifers, 800-875 lbs.
- 65 mix steers & heifers, weaned Nov., 600-700 lbs.
- 180 black steers & heifers, weaned, 700-825 lbs.
- 225 black homeraised strs & hfrs, long weaned, 500-650 lbs. 65 black steers & heifers, 650-800 lbs.
- 160 steers & heifers, off wheat, 550-700 lbs.

300 steers & heifers, 750-850 lbs. We welcome your consignments!

If you have cattle to consign or would like additional informa-tion, please call the office at 316-320-3212 **Check our website for updated consignments:** www.eldoradolivestock.com

To stay up to date on our latest announcements you

can "Like" us on Facebook Steven Hamlin

Chris Locke (316) 320-1005 (H) (316) 322-0675 (M) Larry Womacks, Fieldman

(620) 394-3273 (H)

(620) 229-0076 (M)

(602) 402-6008 (H) (620) 222-1199 (M) Van Schmidt, Fieldman

(620) 367-2331 (H)

(620) 345-6879 (M)

Cattle Sale Every Thursday 11:00 AM



President-elect Jeanette Baker presented the award for steer overall gain at the Flint Hills Beef Fest to Gary and Judy Meats.

Office: 620-662-3371

or Matt Hoffman (Owner): 620-727-0913 Hay Auction- Every Tuesday at 9:00 a.m. Cattle Auction- Every Tuesday at 10:00 a.m. Hog/Sheep/Goat Auction- Every 3rd Saturday Horse/Tack Auction- Every 1st Saturday

Sat., Mar. 2nd - Horse & Tack Sale Tues., Mar. 12th - Calf/Yearling Special Sat., Mar. 16th - Hog/Sheep/Goat Sale

entral www.centrallivestockks.com

Eureka Livestock Sale

P.O. Box 267 Eureka, KS 67045 620-583-5008 Office 620-583-7475

Sale Every Thursday at 11:30 a.m. Sharp Like Us On Facebook!

On Thursday, February 21 we had 609 head of cattle on a good market.

HEIFERS STEERS 6 bkbwf 1070@117.00 7 blk 528@154.00 7 bkbwf 536@153.00 2 blk 1088@107.00 38bkbwfrbf706@146.00 3 rdChr 502@146.00 1305@94.00 47 bkred 775@135.00 17 bkbwf 639@141.00 **BULLS** 509@142.00 51 mix 998@130.00 14 bkChr 714@128.00 6 bkred 450@142.00 2 red 1125@123.00 62 mix 786@128.00 8 bkred 852@123.00 2 blk 1123@120.00 6 bkbwf 938@124.50

Butcher Cows: \$30-\$70, mostly \$55-\$65; steady-\$2 lower very active. Butcher Bulls: \$75-\$92.50, mostly \$80-\$89, steady, very active. Preg Cows: \$675-\$1,325. Pairs: \$850-\$1,625. **BUTCHER BULLS BUTCHER COWS**

1 blk	1825@70.00	1 blk	2270@92.50
1 Brown	1175@68.50	1 blk	2060@90.50
1 blk	1180@68.00	1 blk	2200@89.00
1 blk	1720@67.00	1 wf	1750@89.00
1 Char	1605@64.50	1 blk	1910@88.50
1 blk	1310@64.00		
1 blk	1480@64.00		

EARLY CONSIGNMENTS FOR FEBRUARY 28 125 fancy Red Angus strs & hfrs, 400-700 lbs., homeraised,

- longtime weaned & double vacc., dry wintered 160 blk bwf rbf strs & hfrs, 600-750 lbs, home raised, long time weaned & double vac. Dry wintered.
- 115 bk bwf strs & hfrs, 500-800 lbs., homeraised, longtime weaned & double vacc.. dry wintered 53 bwf rbf strs & hfrs, 600-800 lbs, home raised, long time
- weaned & double vac., dry wintered. 60 Jersey strs, 800-900 lbs, long time weaned & double vac
- Several blk on them.

We appreciate your business!

Ron Ervin - Owner-Manager Home Phone - 620-583-5385 Mobile Cell 620-750-0123 Austin Evenson- Fieldman Mobile Cell 620-750-0222 If you have any cattle to be looked at call Ron or Austin





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 Sire calves that come easily, grow rapidly to marketing time and deliver quality beef to the consumer.

 Leave fertile, functional replacement females that stay in the herd for years

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MATT PERRIER: 620-583-4305 mattperrier@dalebanks.com

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Moo-ving The Big Rocks There are many spans of

By Nicole Lane Erceg The new year now feels old once you get into a busy season like calving.

time in cattle country that can make us feel there's too much to do, or too little



time in each day.

By now, some resolutions have fallen to the wayside, the rush of reality helping us sort out what matters most in the commitment to get better.

Yet, there are still some that rise above the rest, beat the average and make it look easy

What's their secret?

A recent visit to a Kansas ranch gave me insight into what sets some cattlemen apart. For 20 years, these brothers focused on raising functional cattle that produced the highest quality beef possible.

Last year, their calves graded 61% Prime.

It wasn't achieved by

single-trait selection, neglecting other traits for the cow herd, or irrational management that ignored profit potential, they assured me.

It was a matter of committing with intense focus to one leading goal and all others in turn rather than just trying to do their best overall.

Have you ever heard the old quote, "A rising tide lifts all boats?"

It's the same when we narrow our focus. Drop a handful of pebbles into a pond and you'll only create ripples. Throw in a large boulder and the water level rises.

Once they began to see



favorable results on herd goals, they realized continued focus on each goal would build momentum over time.

They just succeed by focusing on one thing at a time.

Sounds simple, but it could be a better way to look at it than trying to raise cattle with some kind of management strategy to excel on all fronts, every day. We might make some progress if we have time to analyze it. Then again, we might be over-complicating things. We might be just tossing pebbles.

You know what goes into making a Prime grading calf? An easy-calving, easy-keeping mother, a consistently proactive health program, adequate nutrition and steady genetic improvement over

Framed by an overarching goal that doesn't interfere with other priorities, we can hit our quality target and improve other areas of the business simultaneously.

Want to earn more money from your calves next year? What's the single thing you could do that will help you get there fastest? What if you made

FALL

S-Yield Grade

that top priority for the next year? The next several years? Your workload may not wane, but clari-

ty of purpose could make it seem lighter. That can make all the difference. Toward the end of my Kansas visit, I asked the brothers if the goal that lifted their calves to most-

the same priority today. They shook their heads

ly Prime grade remains

Having arrived at the pinnacle of quality, they consider carcass merit built in now, as long as they maintain average pressure. They've shifted their laser focus to the next big rock in their business: performance. Their calves must reach harvest weight faster and faster.

I'm not suggesting you decide to skip checking heifers this evening to focus instead on office work that's fallen behind. We still need to run the business on all fronts, but what if we do that with the perspective of moving one big boulder at a time?

Next time in Black Ink® Miranda Reiman will look at how we know cattle are good. Questions? E-mail nerceg@certifiedangusbeef.

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SFG F820 :: ASA# 3520594 :: S-Cowboy Logic CE 35% • WW 1% • API 10% • TI 1%



SFG F860 :: ASA# 3520504 :: S-Cowboy Logic CE 5% • WW 2% • API 1% • TI 1%



SFG 7305E :: AAA# 19267805 :: S-Bank Note CED 45% • WW 25% • \$W 30% • \$B 55%



SFG 889F :: AAA# 19336472 :: S-Insight CED 60% • WW 20% • \$W 15% • \$B 30%



SFG 851F :: AAA# 19338467 :: S-Rockmount CED 1% • WW 55% • \$W 55% • \$B 80%



SFG F10 :: ASA# 3520416 :: S-Global CE 25% • WW 30% • API 20% • TI 15%

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CALVING EASE PERFORMANCE REAL WORLD

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450 @ 171.00

Auction

3 blk hfrs

STARTING TIME

10:30 AM



We sold 1275 cattle February 19. Steer and heifer calves were in good demand at steady prices. Feeder steers and heifers were steady to \$2.00 lower. Cows and bulls were STEER & BULL CALVES

4 blk strs 466 @ 170.00 5 blk/char strs 1 blk bull 1 blk bull STOCKER & FEEDER STEERS 11 blk strs 1 blk str 1 red str 1 blk str 5 blk strs 58 blk/char strs 3 blk/char strs

1 blk str

62 blk/bwf strs

17 blk/bwf strs

REZAC BARN

520 @ 165.00 355 @ 161.00 430 @ 158.00 557 @ 171.00 565 @ 154.00 600 @ 145.00 625 @ 145.00 628 @ 144.50 687 @ 142.50 562 @ 140.00 20 blk strs 724 @ 140.00 123 blk/bwf strs 860 @ 139.60

846 @ 137.00 59 mix strs 5 blk/bwf strs 674 @ 135.50 24 blk/bwf strs 866 @ 135.25 668 @ 135.00 2 blk/char strs 120 blk/char strs 6 blk strs 20 blk/bwf strs 125 blk/bwf strs 58 blk/sim strs 100 blk/char strs 60 mix strs 61 mix strs

61 blk/red strs 9 blk/bwf strs **HEIFER CALVES**

3 blk/bwf hfrs

2 blk hfrs

1 red hfr

ST. MARYS, 785-437-2785

912 @ 134.25 798 @ 134.00 882 @ 133.00 919 @ 132.85 917 @ 132.75 956 @ 131.50 937 @ 131.25 940 @ 131.00 967 @ 130.25

951 @ 127.25

535 @ 146.00

538 @ 146.00

360 @ 141.00

457 @ 138.00 3 bwf hfrs 501 @ 135.00 12 blk/red hfrs 470 @ 132.50 1 blk hfr 1 blk hfr 425 @ 131.00 STOCKER & FEEDER HEIFERS 70 mix hfrs 679 @ 134.00 550 @ 130.00 1 char hfr 638 @ 128.00 2 blk/char hfrs 775 @ 128.00 11 blk hfrs 20 blk/red hfrs 833 @ 126.00

773 @ 123.50 4 blk hfrs 636 @ 122.50 4 blk hfrs 692 @ 122.50 3 blk hfrs 2 blk hfrs 728 @ 120.00 1 blk hfr 820 @ 115.00 1023 @ 114.00 9 blk hfrs

COWS & HEIFERETTES 1 char hfrt 1040 @ 95.00

502 @ 139.00 855 @ 80.50 1 wf hfrt 1230 @ 80.00 1 blk hfrt 1 blk cow 1385 @ 66.00 1 blk cow 1150 @ 65.50 1 blk cow 1570 @ 64.00 1 bwf cow 1640 @ 63.50 1460 @ 63.00 1 blk cow 1640 @ 62.50 1 blk cow 1410 @ 62.00 1 blk cow 1 blk cow 1600 @ 61.50 980 @ 61.00 1 char cow 1555 @ 60.50 1 blk cow 1425 @ 58.00 1 bwf cow 1 limo cow 1590 @ 57.50 1 bwf cow 1235 @ 56.50 2 blk/bwf cows 958 @ 56.00 1 blk cow 1 blk cow

1220 @ 55.00 1220 @ 53.50 970 @ 52.50

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

1 blk cow



@ 960.00 2 wf cows 1 wf cow @ 750.00 @ 910.00 2 wf cows 2 blk cows @ 850.00 **BULLS** 1820 @ 86.00 @ 810.00 2 wf cows 1 red bull 2 blk/bwf cows @ 800.00 1 blk bull 1935 @ 84.00

1 blk cow

@ 760.00

CONSIGNMENTS FOR FEBRUARY 26:

 40 blk strs & hfrs, 550-700 lbs., weaned, vacc. 65 blk hfrs, 650-670 lbs., weaned, vacc.

46 Hereford steers, 700-800 lbs., weaned, vacc.

130 black heifers, 750-775 lbs.

40 black heifers, 750-850 lbs.

• 89 black steers, 800-900 lbs.

60 black steers, 900-925 lbs.

135 Angus steers & heifers, 500-650 lbs. 90 days weaned, vaccinated, hay fed

CONSIGNMENTS FOR MARCH 5:

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to WWW.Qrassandgrain.com & logging onto the online subscription

DENNIS REZAC ST. MARYS, 785-437-6349

FOR INFORMATION OR ESTIMATES.

DENNIS' CELL PHONE 785-456-4187 KENNETH REZAC ST. MARYS 785-458-9071

864 @ 139.50

781 @ 138.00

LYNN REZAC **REX ARB**

LELAND BAILEY

TOPEKA, 785-608-4005 ST. MARYS, 785-456-4943 MELVERN, 785-224-6765



Livestock Commission Company, Inc.

St. Marys, Ks. Toll Free Number.....1-800-531-1676

Website: www.rezaclivestock.com **AUCTIONEERS: DENNIS REZAC & REX ARB**