



Schwieterman Market Outlook

A marketing commentary by Bret Crotts

Friday the 30th we will have one of the biggest report days of the year when we have to Quarterly Stocks Report and the Planted Acreage Report. The acreage numbers will be what has the biggest impact on the markets and so far the guesses are coming in on both sides of the March numbers. When all the guesses are in I am assuming that the average will call for lower corn acres and higher soybean acres, but obviously not everyone agrees with that. The two keys to acreage will be re-plant and prevented planting and sometimes it takes until September to get that completely figured out.

On the charts the corn

and beans both look terrible. We haven't made new contract lows, but we have made new multi-month lows and the corn is working on a massive monthly reversal lower. The contract lows in the December corn are just below \$3.60 and for the November beans they are at \$8.57, and for the moment, those are our next downside objectives.

The main reason for this week's pressure was that nobody is very concerned about the weather. There are areas that have been dry, but not dry enough to cause concern. There is rain in the forecast, and the temperatures are expected to be cool, so stress is limited in those dry areas by the

lack of heat. Bearish traders appear to be pinning their hopes on rains coming at the end of the week and the cool temperatures holding out into the 4th of July. Managed Money is holding a record large net short position in the soybeans and are closing in on 100k net short in the corn. The big traders are content with the weather, and we won't get a sustained rally unless that changes.

We don't have the same level of complacency in the Spring Wheat as we do in the corn and beans. Minneapolis wheat made new contract highs this week and kept the Kansas City wheat from falling apart with the corn. The Drought Monitor is looking

worse in the Spring Wheat country and crop condition ratings have been declining rapidly. Most likely the condition ratings will continue to decline, which will keep the buying interest alive in the Minneapolis contract and keep the protein premiums strong in our part of the world.

At times last week the Kansas City wheat looked like it was ready to roll over and succumb to harvest pressure, but the strength in Minneapolis kept that at bay. Yields are probably good enough that we will see an increase in the yield estimate in the July supply and demand report, but harvest acreage is still a wild card when it comes to total production in Kansas. There are areas that have terrible disease pressure and won't produce much, but then there are some areas where yields rival last year.

It was another rough week in the cattle business. There were some cash cattle that traded as low as \$119,

Grass & Grain, June 27, 2017

so we have had two huge drops in a row. Futures were under heavy pressure and the feeder cattle fared just as poorly as the live cattle. The Cattle on Feed report numbers won't help us out either. The on feed estimate of 103% was above the average trade guess because the placements came in above the average trade guess at 112%. On the bright side, the markets were also above expectations at 109%, but that won't be enough to offset the placements.

One bullish news item we had last week was that we will no longer import beef from Brazil, which will be supportive. Brazil ranks number 5 on our list of foreign sources of beef, so this will not be nearly as big of a deal as when we banned imports from Canada. However, we are in a market climate with very good demand, and that lack of supply may be the boost we need to liven the market back up.

Schwieterman Marketing,

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

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

New survey can help with land lease negotiations – landowners in 14 bluestem counties surveyed

The Kansas Department of Agriculture and the Agricultural Land Use Survey Center, based in the Kansas State University Department of Agricultural Economics, has published the results of the 2017 Kansas Bluestem Pasture Survey. The survey was conducted over 14 counties in Kansas, considered bluestem counties,

and has been a benchmark for negotiating pasture lease rates in Kansas.

"Extension agents across the state have used the survey results as a starting point for rates when they are helping draft a lease," said Leah Tsoodle, director of the center. "This report is also useful to absentee landowners in their lease negotiations.

The survey research is specific to the Flint Hills region of the state, as well as to the type of pasture. However, it provides some data about pasture lease rates in Kansas that is not available elsewhere."

The survey shows lease prices across the bluestem counties for both stocker and cow/calf operations, and the results indicate

that 92 percent of the available bluestem pasture was under contract for the 2016-2017 season. Lease rate categories included contract length, type of livestock grazing, and with or without care options. The methodology of the survey was constructed to reflect some complex variables.

"We clarified the terms "with care" and "without

care" in this survey, primarily due to the request of the users of prior reports," Tsoodle said. "With care" can mean a variety of things depending on the lease specifics, and that influences the prices. We highlighted that information by including a table showing the wide range of responses that were received."

Bluestem pasture is a type of grass native to the Flint Hills region. There are other smaller pockets across the nation, but this is one of the largest of its kind in the United States.

More information is available at <http://www.agmanager.info/land-leasing/land-rental-rates/bluestem-pasture-release-2017>

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For our sale Friday, June 23rd we had a seasonal run of cattle finding a good demand on the kind offered. Cull cows and bulls were selling at fully steady prices.

STEER CALVES — 325-550 LBS.

McLouth 6 blk bulls 493@156.50

McLouth 3 blk bulls 333@153.00

FEEDER STEERS — 550-850 LBS.

Blaine 7 blk 695@157.00

Leavenworth 11 blk 692@155.00

Leavenworth 6 blk 840@145.00

McLouth 6 blk 755@128.00

HOLSTEIN STEERS — 375-850 LBS.

Eskridge 10 Hols 384@91.00

Leavenworth 9 Hols 784@88.25

Leavenworth 6 Hols 652@86.00

HEIFER CALVES — 275-550 LBS.

Goff 9 blk 417@166.00

McLouth 7 blk 415@147.00

McLouth 4 blk 287@146.00

Goff 5 blk 547@143.50

McLouth 8 blk 512@142.50

HEIFERS — 550-900 LBS.

Blaine 11 blk 661@150.50

Junction City 11 xbred 596@146.50

Leavenworth 4 mix 666@144.50

Junction City 26 xbred 661@142.75

Leavenworth 10 blk 792@140.75

Junction City 11 xbred 735@140.50

McLouth 6 blk 608@139.00

Tonganoxie 4 blk 615@138.50

Alta Vista 5 blk 881@125.00

Leavenworth 3 blk 728@124.00

BULLS — 1,375-1,825

Manhattan 1 blk 1385@98.00

Burns 1 blk 1710@95.50

Burns 1 blk 1790@95.00

Vermillion 1 Herf 1825@81.00

COWS & HEIFERETTES — 1,025-1,875 LBS.

Ozawkie 1 blk 1035@117.00

Manhattan 1 blk 1335@106.00

Council Grove 1 blk 1115@105.00

Wamego 1 1140@99.50

Olsburg 1 blk 1160@99.50

St. George 1 bwf 1020@85.00

Onaga 1 Char 1240@77.50

Spring Hill 1 blk 1565@77.00

Alma 1 blk 1565@76.00

Ozawkie 1 Cross 1410@75.50

Havensville 1 blk 1345@75.50

Olsburg 1 blk 1160@75.00

Clay Center 1 Hereford 1315@75.00

Westmoreland 1 blk 1270@75.00

Wamego 1 Cross 1235@74.25

Westmoreland 1 blk 1170@74.00

Randolph 1 blk 1290@74.00

Olsburg 1 blk 1075@74.00

Chapman 1 Hereford 1065@73.00

St. George 1 Cross 1420@73.00

Vermillion 1 Hereford 1235@73.00

Wamego 1 bwf 1205@72.50

Westmoreland 1 blk 1140@72.00

Olsburg 1 blk 1320@72.00

Council Grove 1 blk 1550@71.50

Westmoreland 1 blk 1460@70.00

Vermillion 1 Hereford 1115@69.50

Edgerton 1 blk 1075@66.50

Blaine 1 Hols 1195@64.50

Circleville 1 Hols 1870@64.00

St. George 1 Hereford 1050@63.00

Circleville 1 Hols 1375@62.50

Manhattan 1 Hols 1365@59.00

Manhattan 1 Hols 1455@58.50

Blaine 1 Hols 1290@51.00

Circleville 1 Hols 1465@51.00

EARLY CONSIGNMENTS FOR JUNE 30th
12 red Angus cows 6-9 years w/ red Angus 2-3 month calves by side

EARLY CONSIGNMENTS FOR JULY 7th
121 choice homeraised blk str & hfrs, all worked & shots in Nov. No implants. 600-800 lbs
45 choice reputation Angus str, 60 day weaned, 2 rds shots, 625-750 lbs
15 choice homeraised Angus str & hfrs, weaned 3+ weeks, shots, 500-600 lbs
1 16 month old 3/4 Angus 1/4 Simmental RiverCreek bloodline bull. Semen & Trich tested.

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

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Kansas Hay Market Report

Hay market activity slow to moderate; demand moderate for grinding alfalfa, light for all other classes of hay, prices mixed. First cutting of alfalfa is all but wrapped up and second cutting is getting started in many areas. Second cutting looks to be excellent, despite potato leafhopper infestations being reported in north central alfalfa fields. Brome yields in southeastern Kansas have been reported to be significantly lower this year, with short plants and the lack of seed heads. The NASS Kansas Crop Progress and Condition report for the week ending June 18 states that alfalfa hay condition rated 0 percent very poor, 2 poor, 23 fair, 68 good, and 7 excellent. Alfalfa hay first cutting was 98 percent complete, near 96 last year, and ahead of 92 average. Second cutting was 30 percent complete, ahead of 17 last year. Despite the recent rain, abnormally dry conditions are beginning to creep back into the state, primarily in the southeastern region, with the abnormally dry (D0) category at 8.36 pct. We are nowhere near as dry as our friends in North and South Dakota, however. The North Dakota Department of Agriculture has set up a Drought Hotline for ranchers affected by the drought. Kansas producers who have hay to sell or with pasture or hay land to rent can call the hotline. Once the producer provides their name, contact information and what they can provide, they will then be entered into the Drought Hotline database to be matched up with ranchers in need. The hotline phone number is 701-425-8454. If you have hay for sale, and/or need hay here in Kansas, use the services of the Internet Hay Exchange: www.hayexchange.com/ks.php.

Southwest Kansas

Dairy alfalfa steady, grinding alfalfa 5.00 lower, ground/delivered 5.00 higher, movement moderate for grinding alfalfa and ground/delivered, slow for all other classes of hay. Alfalfa: horse, small squares 240.00-250.00. Dairy, .75-.85/point RFV, Supreme 140.00-160.00, Premium 130.00-150.00, Good 115.00-145.00. Stock or Dry Cow alfalfa, 75.00-95.00. Fair/Good grinding alfalfa, 95.00-105.00 with

an instance at 110.00-120.00. New crop grinding alfalfa 100.00-105.00 in the corner. Ground and delivered locally to feedlots and dairies, 120.00-130.00. The week of 6/11-6/17, 11,362T of grinding alfalfa and 775T of dairy alfalfa were delivered. Grass hay: bluestem, large rounds 65.00-75.00. Brome: large rounds 55.00-65.00. Sudan/Cane: large rounds 40.00-45.00. Corn stalks, ground and delivered 70.00-80.00. The average paid by feedlots on May 1 for alfalfa ground and delivered was 116.29, up 7.97 from last month, usage was 819T/day, up 12 pct, and total usage was 25,401T.

South Central Kansas

Dairy alfalfa, grinding alfalfa, alfalfa pellets steady, ground/delivered 5.00-10.00 higher, movement moderate for grinding alfalfa and ground/delivered, slow for all other classes of hay. Alfalfa: horse, small squares 230.00-240.00, Dairy, .70-.80/point RFV, Supreme 140.00-150.00, Premium 130.00-140.00, Good 110.00-130.00. Stock cow alfalfa, 80.00-90.00. Fair/Good grinding alfalfa, 70.00-80.00. Ground and delivered locally to feedlots 105.00-115.00. New crop ground and delivered 110.00-120.00. The week of 6/11-6/17, 4,402T of grinding alfalfa and 701T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 140.00-150.00, 17 pct protein 145.00-160.00, Dehydrated 17 pct 198.00-202.00. Grass hay: bluestem, mid and large squares 65.00-75.00, large rounds 60.00-70.00. Brome, mid and large squares, none reported, large rounds 75.00-80.00. Oat hay, none reported. Sudan 50.00-60.00. Cane hay, large rounds 45.00-55.00. Corn stalks, ground and delivered 75.00-85.00. Straw large squares 50.00-60.00. The average paid by feedlots on May 1 for alfalfa ground and delivered was 103.62, up 2.90 from last month, usage was 301T/day, up 5 pct, and total usage was 9,317T.

Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay, steady, movement slow. Alfalfa: horse or goat, 210.00-220.00. Dairy .75-.85/point RFV. Stock cow alfalfa 90.00-100.00 with an instance at 135.00-145.00. Fair/Good grinding alfalfa 70.00-80.00. Ground and delivered, 80.00-90.00. Grass hay: bluestem, small squares 100.00-110.00. Good,

mid and large squares 70.00-85.00, large rounds 50.00-60.00. Brome: small squares none reported. Good, mid and large squares 90.00-110.00, large rounds 55.00-65.00. Straw, none reported. CWF grass mulch none reported.

Northwest Kansas

Dairy alfalfa, grinding alfalfa and ground/delivered steady, movement slow. Alfalfa: horse/goat, 180.00-190.00. Dairy, Premium/Supreme .80-.95/point RFV. Stock cow, fair/good 85.00-95.00. Fair/Good grinding alfalfa, 65.00-75.00 with instances at 80.00-100.00. Ground and delivered locally to feedlots and dairies, 90.00-95.00.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady, movement slow. Alfalfa: horse, none reported. Dairy .85-1.00/point RFV, Supreme 150.00-200.00. Premium 140.00-160.00, Good 130.00-140.00. Stock Cow, good 110.00-120.00. Fair/Good, grinding alfalfa, 70.00-80.00. Ground and delivered, 105.00-115.00. Grass hay: bluestem, small squares 4.00-6.00/bale, large squares 70.00-80.00, large rounds 60.00-70.00. Brome: Good, small squares 6.50-7.50/bale, mid and large squares, 90.00-100.00, brome large squares horse quality, 110.00-120.00, good large rounds 65.00-75.00. Sorghum/Sudan, large rounds 60.00-70.00. Straw, small squares, 3.50-4.50/bale. CWF grass mulch, none reported.

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

*CWF Certified Weed Free

*RFV calculated using the Wis/Minn formula.

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

Source: Kansas Department of Agriculture - Manhattan, Kansas Kim Nettleton 785-564-6709

Posted to the Internet: www.ams.usda.gov/mnreports/DC_GR310.txt

Wheat co-products vary in protein digestibility when fed to pigs

Research from the University of Illinois is helping to determine the quality of protein in wheat middlings

and red dog, two coproducts of the wheat milling process that can be included in diets fed to pigs and other livestock.

Red dog consists mainly of the aleurone layer that lies between the bran and the endosperm, along with small particles of bran, germ, and flour. Wheat middlings are granular particles of the wheat endosperm, bran, and germ. They contain about three times as much dietary fiber as red dog.

"We have information about the digestibility of crude protein in some wheat coproducts produced in Canada and China, but only very limited information about the nutritional value of wheat middlings and red dog produced in the United States," says Hans H. Stein, professor in the Department of Animal Sciences at U of I.

"In addition, because

wheat coproducts vary in terms of the conditions under which they are produced, their nutritional value may vary as well," he says.

Stein and Ph.D. candidate Gloria Casas procured wheat middlings from ten suppliers in Colorado, Iowa, Illinois, Kansas, Michigan, Minnesota, Ohio, and Pennsylvania, along with red dog from a supplier in Iowa, and fed them to growing pigs.

Despite the variety in the sources of wheat middlings, the concentration and standardized ileal digestibility (SID) of crude protein were generally consistent. However, there was variation in the digestibility of most amino acids among sources of wheat middlings.

Red dog contained slightly less crude protein than wheat middlings: the mean protein concentration of the wheat middlings samples was 17.67 percent, compared with 17 percent in red dog.

However, the SID of crude protein and all but three amino acids—arginine, histidine, and serine—was greater in red dog than in wheat middlings.

According to Stein, "The SID of amino acids is probably greater in red dog be-

cause it contains less fiber compared with wheat middlings. It's also possible that excessive heat was used in the processing of the wheat middlings, causing heat damage."

The SID of lysine, the amino acid most susceptible to heat damage, was 72.3 percent in red dog but averaged only 46.2 percent in wheat middlings.

Stein says the results of this study provide guidance to producers who hope to incorporate wheat coproducts into diets fed to pigs.

"The amino acids in red dog are well digested, so there should be no problem with incorporating them into swine diets," he says. "However, we would advise anyone feeding wheat middlings to add crystalline amino acids or other protein sources so that the diet will have sufficient digestible amino acids."

The paper, "The ileal digestibility of most amino acids is greater in red dog than in wheat middlings when fed to growing pigs," appears in the June 2017 issue of the *Journal of Animal Science*. The National Pork Board of Des Moines, Iowa, provided funding for the study.

AUCTION

SATURDAY, JULY 8, 2017 — 9:00 AM

2541 5th Ave., MARQUETTE, KS - .5 mile South of Marquette
Sandzen linoleum cut; Oscar Gunnarson figurines; old portraits; mandolin; glassware; furniture; household; 1963 International truck; 1994 Dodge Ram 1500; tillage equipment

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APPLIANCES: GE 18.2 cu ft refrigerator; Kenmore washer & dryer.

VINTAGE FURNITURE: 6 oak panel back chairs; 6 Eastlake style chairs with cane seats; 7 wood slatted folding chairs; 8' long harvest/farm table; oak chair with leather seat; RCA Victor wood cabinet TV; wood with glass sides & doors display cabinet; wood display headboard/footboard; 4 shell motif wood chairs; painted drop leaf table; oak drop leaf table; Eastlake walnut bed with fancy headboard/footboard & custom mattress; painted wood cabinet with 25 drawers & old cast pulls; Mid-century chest of drawers; Victorian carved walnut lady & gent parlor chairs; large mirror with fancy Victorian frame; Victrola cabinet; English oak expandable oak table & 6 chairs; mahogany tea cart.

MODERN FURNITURE: Bernhardt oriental style sideboard; 2 Bernhardt oriental style china cabinets; bookshelves; wood kitchen cabinet with storage; wine cabinet; mahogany end table; long 4 cushion sofa in pink velveteen; tabletop glass display cabinet; solid walnut 3 drawer chest of drawers; American Masterpiece Collection by Hickory wing back chair; recliner; 3 piece sectional desk set; small accent chair; king size bed complete; queen size mattress; French Provincial side chair; entry console table.

GENERAL HOUSEHOLD: 100's of books on all subjects—politics; history; art; fiction & non-fiction; holiday decorations; stereo equipment; records/CD/VHS/DVD's; table & floor lamps; lots of unframed posters; many framed pieces of art; electronics; toys & games; bed; bath; table; & kitchen linens; quilt; & quilt top; fancy work; LOTS of kitchenware—glass & metal bakeware; pots/pans; small appliances; kitchen gizmos & gadgets; canning jars; bar ware; sewing machine & sewing supplies; MANY pieces of name brand ladies clothing; shoes; hats; LOTS of name brand costume jewelry.

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CONTRACTORS AUCTION

SATURDAY, JULY 15, 2017 — 9:00 AM

We are changing our business operation and will sell the following items at public auction at our home located at
1247 OSAGE RD., CLAY CENTER, KANSAS.

Travelog 6X12ft. dump trailer; 20ft. bumper hitch cargo trailer; 18ft. bumper hitch flatbed trailer; 1986 5th wheel camper; NH skid loader attachments including work saver 7ft. grapple; hyd. post hole digger with 12" & 18" augers; quik tach Xtenda reach teleboom, reaches more than 20ft; 12ft. long skid steer scaffold; Double D hyd. tree clipper w/new blades; cat. 1 3pt. quik tach; like new Land Pride box blade with ripper; like new 3pt. Land Pride 96" rotary mower; 3pt. King Kutter disk, 3pt. 60gal. sprayer w/wand & boom; 15gal wand sprayer; 6ft. wide; 3pt. tater digger; Hobart Champion 10,000 watt generator & 230 amp DC/CC welder, 158 hours, good unit; Grizzly metal cutting band saw; Sanborn air compressor; Powermatic industrial lathe; sheetrock lift; sheetrock lift extension; Stihl TS800 16" concrete saw; Bosch 11239VS concrete hammer drill; many many concrete tools; Delta contractor's table saw; (2) DeWalt 12" mitre saws; (2) DeWalt 12" mitre saw stands; (2) 100ft & (2) 50ft 12ga ext. cords; Tapco Pro19 brake w/stand; Tapco Pro cut off; Tapco Brake Daddy; Tapco coil stock reel; Top Con RL-HA rotating laser; 24" explosion proof fan; Cst/Berger transit; misc. power nail guns; Wagner airless sprayer w/hose & gun; (6) complete sets of scaffolding; (2) 28ft. & (2) 16ft. Werner fiberglass ext. ladders, 300# rating; (2) 8ft. & (2) 6ft. Werner fiberglass step ladders, 300# rating; (2) multi use ladder systems; small Werner 2ft.X4ft. rolling scaffolding; manual pallet jack; (3) halogen lights w/stands; 2ft. concrete forms for garage walls; Reznor 15,000 BTU heater; (2) 100# propane bottles; 25# propane bottle; antique manure spreader, dump rake & grain drill used for yard art; 100 gal. diesel barrel; (2) 200gal. plastic tanks; Rubbermade 100gal. stock tank; 5th wheel hitch; tread plate PU tool box; Chevy cargo system; (6) 55gal. drums; used telephone poles/RR ties; hedge pile; volleyball poles w/tires & concrete; (8) 7' & (2) 10' planks; new storm doors; storm windows; misc. shingles, siding & other excess bldg. materials; 2 or 3 rack loads of misc. items.

NOTE: Most items are in very good or like new condition and have been well cared for and maintained. Trailers, skid steer attachments and small farm machinery will sell at 11:00. Go to kretzauctions.com or kansasauctions.net for pictures, map, and any additional information & updates. Hope to complete auction by 1:30. Lunch on grounds.

TERMS: Cash or good check day of sale. Not responsible for accidents.

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AUCTION

SATURDAY, JULY 8, 2017 • 9:30 AM
Auction held at 1408 6th St., WAMEGO, KS



Formal couch; 2 overstuffed chairs; 2 recliners; Large square coffee table; Square end table; Side cabinet; 3 large framed mirrors; Dresser mirror with wooden trim; Dinette table, 4 chairs with rollers; Antique corner shelf; Library steps; Several lamps; Antique magazine table; Hall table; Bed bench; Dresser bench; Several area rugs; Toss pillows; Antique plates; Several silver pieces; Antique perfume bottles, hand bag, jewelry case; Kitchen items: Bread maker, Sunbeam mixer, 3 crock pots; Coffee maker; Food saver machine; Numerous Wilton cake pans; Weavever cookwear; Saladmaster slicer; 2drawer file cabinet; 4 drawer file cabinet; 2-3 shelf book cases; Fishing supplies; New window air conditioner; New ceiling fan; Tools; Lawn chairs; 5 bar stools; Longaberger glassware; Butter warmers; Flatware; Gott cooler; Lots of holiday decorations; Kids puzzles, books, games; 3 Native American dolls;

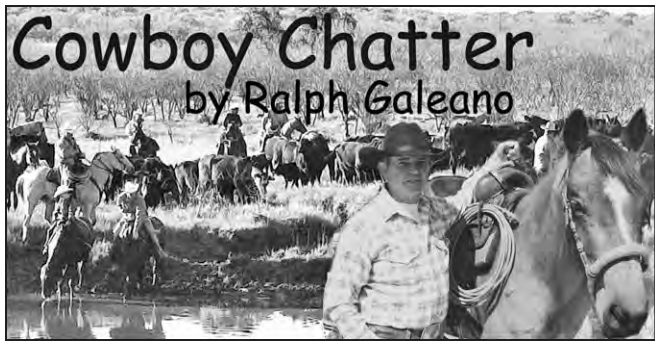
AUCTIONEER'S NOTES: This auction features very high end, quality home furnishings. This is a very partial listing. Come spend the day and acquire the items you have been looking for to enhance your home. We appreciate you being at the auction!!!

TERMS: Cash or good check w/ID. Statements made day of auction take precedence over printed material. Not responsible for accidents.

See pictures on web: www.murrayauctionandrealty.com

SELLERS: DAVE & JAN VANDERBILT

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Bill Raine and Bob Murray, Auctioneers



Lead Changes

A horse that won't change leads is easy to cure. Get off him and leave him alone. Watch him running in the field or pasture. He doesn't have any problem changing leads when no one is on his back. They know how to change leads like we know how to walk. Lead changes are a part of the horse's natural body motion. It's how their legs are programmed by their brain to move.

The trouble comes when we get on their back and want them to change leads. They don't have a clue of what we want when we first ask them. We have to train them to understand our aids and cues to change leads. It is probably the hardest skill

to learn for new or even intermediate riders.

We first have to understand what lead change means when referring to horses. Basically a lead change or lead means what pair of legs on the same side (the right or left pair) is leading or advancing further when a horse canters.

If you are loping in a left circle, the left lead is the correct lead. The horse's left pair of legs are leading or advancing further when they hit the ground than the right pair. When loping straight ahead, it doesn't make any difference what lead the horse is on. He will be balanced whether on the right or left lead. If

the horse is on the wrong lead loping or cantering in a turn, they will be unbalanced and the rider will feel a rotary or twisting motion in the saddle. The rotary motion is awkward, unbalanced and, in certain cases, could be dangerous. If you feel that motion while loping in a turn, look down at your toes. If you are in a left turn, your left toe should be ahead of your right toe as the horse's left foreleg is farther ahead of his right foreleg in the correct lead.

If you feel that rotary motion while loping straight ahead the horse may be cross-leading or cross-firing: that is, the left foreleg and right hind leg are leading. It's a rough ride and should be corrected. If you are in a horse show, the judge will surely penalize you for being in the wrong lead, if he's paying attention.

So how do we cue a horse to change leads? There are several correct ways to cue your horse to change leads. Instructors have their preferred ways and may teach this maneuver differently to achieve the same result. I will describe what method

works best for me and how I accomplish lead changes on the ranch and in the arena.

It's best to practice lead changes in the open rather than in an arena. If you're in an arena you have to lope through the center of the arena to change leads and have room to go the other way. If you cue the horse each time you come through the center, they will begin to anticipate your cues and start changing on their own or kicking out when you cue them or develop other bad habits. In an open field or down a dirt road, they never anticipate your cues and will learn faster.

First, you have to gain control of their hindquarters. They have to move off your leg. When you place your leg or boot toward the back of their ribs, they should move their hindquarters away from your leg both ways. Practice this first and when you can easily walk or trot your horse in a straight line and move their butt over with your leg while still moving in a straight line then you can move on to loping straight ahead and practice moving their rear

quarters as you lope. When you can accomplish this without a struggle and the horse moves its quarters at your command, you're ready to ask for a lead change.

We will attempt a lead change to the left. Lope in a straight line with your left leg lying easy against the left ribs. Bring your horse back to a trot. Place or bump your right leg back against their right ribs at the same time moving your left leg off the ribs and holding him straight with the reins. Ask the horse to lope by clucking while keeping pressure on his right hindquarters. It will take a while to get the feel for a correct lead change.

Practice it until you can successfully lope, break down to a trot, change leads and lope. Practice both ways until you and the horse are comfortable and then try it without breaking down to a trot.

Lope the horse straight with your left leg lying easy back near the ribs if the horse is in the right lead. Move your right leg back and bump or lay pressure on the rear quarters to move

the quarters to the left as you remove your left leg out away from the horse (opening the door for them to change to the left) and at the same time using the reins to keep the horse straight. Reverse these instructions if the horse is loping in the left lead.

If you don't get the lead change at a lope after a few tries, go back to breaking down to a trot and changing. Soon, you will get the hang of it and the horse will come to interpret your cues and change leads on command.

It is important to not practice this too much. Work on it a little at a time and then go on to something else so you don't totally confuse the horse if he doesn't understand what you are asking.

If you still have trouble accomplishing lead changes, consider having a competent instructor watch you ride to pinpoint the cause of your problem. Being in the correct lead is the mark of a good horseman.

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

Farmers and ranchers until end of June to sign up to receive 2017 Census of Agriculture

New farmers and ranchers, and those not previously contacted by the National Agricultural Statistics Service (NASS), have until the end of June to ensure they are represented in this year's Census of Agriculture. To receive a census questionnaire this December, these producers are asked to visit the Census of Agriculture website at www.agcensus.usda.gov and click on the 'Make Sure You Are Counted' button today.

While on the website, producers can watch the census introduction video, access frequently asked questions, explore past and current data, and try the improved online census questionnaire demo. The updated online questionnaire, which will go live late fall, is now accessible on any electronic device. New features save time by calculating totals automatically and skipping questions that do not pertain to the respondent's operation.

"Responding to the census has never been easier. It is our hope that producers will become familiar with the online census questionnaire demo, like it, and return to report online when responding to the Census of Agriculture later this year," said NASS Census and Survey Division director Barbara Rater.

Producers who are uncertain whether they classify as a farm should note that the census definition is any place from which \$1,000 or more of agricultural products were produced and sold, or normally would have been sold, during the census year (2017).

"The definition includes millions of farmers, ranchers and producers - rural and urban - and it is vital that all are represented in this complete count endeavor every five years. Their voices show the nation the value and importance of agriculture, and help influence decisions that will shape the future of American agriculture for years to come," said Rater.

At 177 years old, the Census of Agriculture tells the story of U.S. agriculture. It provides the only source of uniform, comprehensive and impartial agricultural data for every county in the nation. The data are valuable to those who serve farmers and rural communities, including federal, state and local governments, agribusinesses, trade associations, Extension educators, researchers, even farmers and ranchers themselves. Census results help shape farm programs and boost services for communities and the industry. The Census of Agriculture is a farmer or rancher's voice, future, and opportunity.

For more information about the 2017 Census of Agriculture, visit www.agcensus.usda.gov or call (800) 727-9540.



Selected as the Champion Junior Showman at the Nebraska Junior Hereford Show was Rylie Meinhardt, Marysville. The reserve showman was Sage Kerbs, Nebraska. The show was held at Broken Bow June 9-11.

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AUCTION Pottawatomie County Surplus

SATURDAY, JULY 1, 2017 — 10:00 AM

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ITEMS INCLUDE:

- 50 used, galvanized culverts, from 10 in. to 44 in. in diameter and up to 30 ft. long
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- 100 pieces of guard rail
- 250 steel fence posts
- 200 used grader blades
- 40 ft. of 40 in. concrete culvert plus 3 end sections
- 250 bridge planks
- 250 good, heavy wooden pallets
- 5 bins of aluminum signs
- 2 good 22 ft. and a 16 ft. metal gates
- Small, older grass seeding drill
- Large truck tires
- Heavy steel grates
- Fuel barrel and stand
- 2 wheel trailer frame

PLUS more surplus items

Auctioneer's Note: Please check our website for pictures of the individual items. There are a lot of good, useable items! Listed items may be viewed at sale site Monday thru Friday, 8 to 4.

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High school students learn to lead the animal science industry

Twenty students from five states gathered on the Kansas State University campus recently to gain livestock industry knowledge and develop leadership skills. These participants comprised a 20-person cohort of the ninth annual K-State Animal Sciences Leadership Academy (KASLA) June 14-17 in Manhattan, Kansas.

Hosted by the K-State Department of Animal Sciences and Industry and sponsored by the Livestock and Meat Industry Council, the academy's goal is to develop young leaders within the livestock industry and prepare them for a successful future in this field.

This year's class included: Ryann Allison, Fort Scott; Neeley Bowden, Manhattan; Ashley Carr, Union City, Michigan; Shelby Clark, Copeland; Malorie Depenbusch, Udall; Meghan Eidman, Strong City; Brian Gillen, Elizabeth, Colorado; Emily Headrick, Kismet; Chad Hibdon, Princeton;



K-State Animal Sciences Leadership Academy (KASLA) attendees June 14-17 in Manhattan, Kansas, front row, from left, were: Shelby Clark, Copeland; Ryann Allison, Fort Scott; Malorie Depenbusch, Udall; Katherine Krauss, Russell; Hannah Hoffman, Udall; Allie Portenier, Farnam, Nebraska; Jacob Schmeidler, Hays; Alyssa Leslie, Inman; Jenna Hlavaty, Olmitz; Victoria Zabokrtsky, Morrowville; Emily Headrick, Kismet; and Sharon Breiner, Director. Back row: Trint Peine, counselor; Bailey McKay, counselor; Meghan Eidman, Strong City; Hayes Hutter, Springfield, MO; Andrew Noll, Winchester; Brian Gillen, Elizabeth, CO; Bryson Meinhardt, Marysville; Chad Hibdon, Princeton; Katie Lybarger, Garnett; Neeley Bowden, Manhattan; Ashley Carr, Union City, Michigan; Esther McCabe, counselor; and Jacob Rutledge, counselor.

Jenna Hlavaty, Olmitz; Hannah Hoffman, Udall; Hayes Hutter, Springfield, Missouri; Katherine Krauss, Russell; Alyssa Leslie, Inman; Katie Lybarger, Garnett; Bryson Meinhardt, Marysville; Andrew Noll, Winchester; Allie Portenier, Farnam, Nebraska; Jacob Schmeidler, Hays; and Victoria Zabokrtsky, Morrowville.

During their time at the KASLA, students participated in interactive leadership development and educational sessions led by faculty members from across the K-State campus. Participants completed the college experience by dining at the K-State Student Union, completing the K-State Challenge Course and staying in Haymaker Hall.

The KASLA also included a half-day of livestock industry tours throughout northeast Kansas, with stops including: Hildebrand Farms Dairy, Junction City; Kansas State Capitol and WIBW Kansas Ag Network,

Topeka. They also enjoyed tours of university farms and the College of Veterinary Medicine.

For their final project, the students were divided into groups during the week to focus on current issues affecting the livestock industry. Faculty mentors from the K-State Department of Animal Sciences and Industry assisted each group. Using the information they learned throughout the academy, the groups were asked to present their subject as part of the closing reception on the final day. About 75 family, friends and members of the K-State community gathered for the closing reception to honor the graduates and hear their thoughts on these important livestock issues.

You can find out more information about the academy by visiting www.youthlivestock.ksu.edu. For questions, contact Academy director Sharon Breiner at sbreiner@ksu.edu or 785-532-6533.

Don't blame the calves - yearling and calf-fed programs both have place

By Laura Conaway

Things aren't always what they seem.

It's no secret, marbling in harvested fed cattle declines from late February to early May each year. That coincides with a seasonal switch from yearlings to calf-feds in the harvest mix,

which often gets the blame.

Yet, recent data from the University of Minnesota (UMN) suggests we should reconsider the blame game; or, at the very least, not let it deter cattlemen from feeding calves a high-energy diet (calf-feds).

"It's interesting that per-

ception is out there, given there's knowledge that calf-feds actually marble better," says UMN animal scientist Alfredo DiCostanzo.

He and PhD graduate student Haley Johnson's meta-analysis of 32 studies on the effects of pre-finishing strategy (backgrounding or

stockering) on feedlot and carcass performance leaves little room for the long-held belief. Today's economic conditions, beef genetics and value-based markets certainly favor a calf-fed approach.

Still, thanks to that seasonal pattern, "the opinion is engrained in our business," says Paul Dykstra, beef cattle specialist for the Certified Angus Beef brand. He's glad to see a summarizing study on calf-fed marbling, "because there's no doubt they can do it."

"This analysis matches that of our own feedlot partnership database at CAB," he says, noting its reach across two million cattle records from 80 feedyards in 16 states.

DiCostanzo and Johnson's data shows cattle fed a high-energy diet in the backgrounding phase achieved higher average marbling scores than cattle backgrounded on winter wheat, those exposed to unlimited forage with a restricted ration, or grazing dormant grass prior to the finishing phase.

"Plenty of feedlot nutritionists agree with these findings because they've seen this for a long time themselves," he says.

So why the contradiction between perceptions, trends and facts? CAB's Jus-

tin Sexten sees answers in the questions.

"It's a complex system, influenced by many factors," the brand's director of supply development says. "Historical data alone won't show the complete picture, because today's cattle genetics offer much greater potential than ten or twenty years ago."

Yearlings today can gain two pounds on a moderate level of energy. Calf-feds now reach finished weights once unimaginable.

DiCostanzo says his team's research aimed to explain the mechanisms of backgrounding that enable marbling and permit heavier finished weights, regardless of seasonal trends.

Cattle will always sell on pounds, yet there will be added rewards for marbling.

Producers must ask, "What am I going to give up so I can get this other thing?" DiCostanzo suggests. "I think the correct mix is somewhere in the middle," where a combination of weight and marbling achieve the greatest value, particularly when the Choice/Select spread is wide.

"If the spread is favorable, they may consider employing a little more energy into calves' backgrounding diets or reducing the back-

grounding period so that cattle don't get so heavy," making them susceptible to discounts.

There's a long list of reasons why quality grade takes a hit each year. Young calves are more prone to sickness in the early stages of feeding and the first calf-feds harvested are often lighter. Weather and origins come into play, and there are wide differences in genetic potential.

DiCostanzo cites his South Dakota colleague Robbi Pritchard's findings that, given at least average marbling ability and enough time, long feeding periods on forage need not derail that marbling potential. Good genetics provide more options, he suggests.

"You have the best of both worlds if you're able to background to about 800 pounds (lb.), no more than that, and at that point turn them onto a high-finishing diet, harvesting at 1,400 lb. That should be able to give you both weight and marbling," DiCostanzo says.

"It should motivate sellers of superior-marbling Angus cattle to consider the typically wider Choice/Select spread, Prime and CAB premiums featured in the spring as a margin-enhancing target," Dykstra says.

Since both yearling and calf-fed programs can each work without sacrificing grade, most producers can find ways to reach their optimum target.

"We need to have this discussion to get past that first impression to try and have a more objective conclusion on this," DiCostanzo says.

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tions oak triple dresser/ mirror, hidden jewelry compartment and matching chest of drawers; Disney VCR movies; Hot-point white refrigerator/ freezer; China; Costume jewelry; Crock pot; Gun rack; Paper shredder; Child's wood rocking motor cycle; Several boxes paper back books; Collection of Dr. Seuss hardback books; (4) sets of metal shelving; Iron skillets; Misc. kitchen ware; Misc. rugs and towels; Set of 4 bar stools;

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“Education: Rooted in Agriculture” conference gives teachers tips for using ag in classrooms

Kansas Foundation for Agriculture in the Classroom (KFAC) hosted their second annual one-day summer conference for educators on June 1, 2017 at the Tony's Pizza Event Center in Salina. Teachers, county farm bureau coordinators and conservation district managers were among the more than 50 attendees.

“Education: Rooted in Agriculture” was the theme for the event, reminding participants of the rich heritage of agriculture and how it can be readily used in everyday curriculum.

Among keynote speakers was Peggy Thomas, a non-fiction children's book author from New York who has written about U.S. presidents in agriculture and has had a place in the national spotlight by the National Agriculture in the



Macey Hensley, kid presidential expert from Council Grove, provided lunch entertainment during the 2017 Education: Rooted in Agriculture conference for teachers hosted by the Kansas Foundation for Agriculture in the Classroom. Kyle Bauer of KFRM 550 AM Radio, who sponsored Hensley, introduced the young star.

Classroom Organization. Local Council Grove celebrity Macey Hensley and her mother Nichole also spoke about Hensley's deep interest in U.S. presidents and her experience on the daytime talk show, *Ellen*.

The speakers' shared interest in U.S. presidents and agriculture made for a fun, interactive and educational morning for conference attendees.

“I loved all of the ideas Peggy provided with her books, *Thomas Jefferson Grows a Nation* and *Farmer George Plants a Nation*,” said one conference attendee. “I walked away with a program ready for classroom use, which is really cool.”

Educators from all grades and subjects were represented at the conference.

Hands-on workshops

lead by Kansas teachers provided educators with new ideas and ways to incorporate agriculture education into their current curriculum. Workshop topics included school gardening, Kansas geographical regions, ag activities for all seasons, bread in a bag and wheat genetics, among others.

The conference also served as the launch school of KFAC's upcoming year theme, “Water Flows: Kansas Grows.” Attendees received copies of the Kids Connection magazine, “Awesome Aqua: What to Know About H2O” as well as water lesson plans, water bottles and entry forms for the 2018 bookmark art contest, which will feature the theme.

The conference was sponsored by several agricultural organizations and

businesses across the state including: the Kansas Department of Agriculture, Kansas Beef Council and Kansas Cattlemen, Kansas Pork Association, Kansas NRCS, Kansas Dairy Commission, Farmer Direct Foods of New Cambria, Central National Bank of Salina and Manhattan, KFRM 550 AM Radio, Prairieland Partners, Hannebaum Grain of Salina and American Ag Credit.

Continuing education certificates through Kansas State University Global Campus were available to teachers who wished to purchase them.

Details for the 2018 conference will be released later this fall.

Photos of the conference can be found on KFAC's Facebook page, www.facebook.com/ksagclassroom.

Kansas Department of Agriculture Hosts ADT Forum in Manhattan

Ranchers, veterinarians, feedyard owners, livestock market owners, and other livestock industry professionals gathered at the K-State Alumni Center on June 22 for a forum to discuss challenges and solutions in animal disease traceability (ADT). The Kansas Department of Agriculture hosted the forum, which featured officials from the U.S. Department of Agriculture's Animal and

Plant Health Inspection Service (USDA APHIS).

The forum was similar to other public events held by USDA APHIS around the country this spring and summer, providing opportunities for industry stakeholders to engage in the discussion about the successes and challenges of the current ADT framework, specifically for traceability in cattle and bison. Breakout groups addressed specific

questions related to official IDs, documentation, feeder cattle and overall questions in the ADT system.

Animal disease traceability is critical to ensure a rapid response when animal disease events take place. KDA leads annual emergency preparedness exercises to practice the state's response plan to a foreign animal disease event, and these exercises have highlighted the importance of traceabil-

ity if such an emergency would take place. Traceability can also play a role in adding value to the Kansas beef industry by expanding domestic and international market access.

“Agriculture makes up 43 percent of the Kansas economy, and beef is a huge part of that, so we know traceability is important to our state,” said Dr. Justin Smith, Kansas animal health commissioner. “We consistently focus time and resources on how we can best protect and enhance the Kansas livestock industry, so it was essential to us to be highly engaged in the USDA discussion about animal traceability.”

The federal Traceability for Livestock Moved Interstate rule went into effect in March 2013 and established minimum national official identification and documentation requirements for the traceability of livestock moving interstate. This se-

ries of public meetings has presented an opportunity to gather input on the ADT system.

“These forums across the country have been invaluable to us as we look to the future of animal disease traceability in the U.S.,” said Dr. Sunny Geiser-Novotny with USDA APHIS. “We have heard unique issues brought up at each meeting, but we have heard consistent messages as well, and we appreciate the contributions of everyone who has participated in this pro-

cess.” Two more regional meetings will be held followed by the NIAA/USAHA Traceability Forum in September to complete this public meeting series. In addition, USDA APHIS is accepting comments on the ADT system through July 31. A link to this comment site, in addition to more information about the past and future ADT public meetings, can be found on the KDA website at agriculture.ks.gov/ADT.

Monsanto receives key import approval to enable 2018 launch of Vistive Gold soybeans

The Chinese Ministry of Agriculture recently granted approval for the import and food/feed use of Monsanto's MON 87705 soybean. This approval is for a key component of Monsanto's Vistive® Gold soybeans that produce a low-saturate, high-oleic soybean oil. With this approval, Monsanto will now begin commercial preparation for the full-scale launch of Vistive Gold soybeans in 2018.

Vistive Gold soybeans contain the low-saturate, high-oleic trait which will enable food companies to produce foods with lower saturated fat levels and low levels of trans fat as compared to other cooking oils.

Vistive Gold soybean oil has enhanced storage and processing stability, and an improved nutritional profile and food functionality. Vistive Gold soybeans were developed with input from leading food companies over the last decade and can benefit consumers as well as farmers.

“Oil produced with Vistive Gold soybeans is a beneficial cooking oil,” said Lisa Streck, Monsanto's soybean launch lead. “It can be used cost-effectively as a cooking oil that is low in saturated fat with zero grams trans fat per serving. Vistive Gold soybean oil also delivers the same great taste and texture that people expect from cooking oils, as well as shelf life that is equal to, or better than, traditional oils.”

Vistive Gold soybeans represent one of the first crops developed through the combination of biotechnology and traditional breeding that enables farmers to help food companies bring an improved cooking oil to consumers. The soybeans will be built upon the proven performance of Genuity® Roundup Ready 2 Yield® soybeans, giving farmers a strong yield opportunity and may provide the ability to earn a premium for the nutritionally improved oil.

“Vistive Gold soybeans is a unique product that we've been working to bring to market,” Streck adds. “We continue to establish partnerships with processors and are preparing for commercial launch in 2018.”

To learn more about Vistive Gold soybeans, visit www.VistiveGold.com.



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CATTLE SALE EVERY WEDNESDAY: 11:30 AM

SELL HOGS 1ST & 3RD

WEDNESDAY OF EVERY MONTH

6/21/17



NO SALE THIS WEEK, JUNE 21

CONSIGNMENTS FOR JUNE 28:

- 120 mostly blk hfrs, 750-775 lbs
- 60 mostly blk str, 875-900 lbs
- 120 mostly blk str, 950 lbs
- 63 mostly blk str & hfrs, home raised, all shots 500-600 lbs
- 48 mostly blk str & hfrs, 600-800
- 62 str, 900 lbs, coming off broam
- 62 str, 850 lbs, coming off broam

MORE CATTLE BY SALE TIME!

NEXT SHEEP AND GOAT SALE: JUNE 29th @ 6:30

CLAY TOEWS- Sheep/Goat Sale Mgr. • 620-747-0843

CAFE UNDER NEW MANAGEMENT: Cattleman's Cafe, Deb- Manager

Cafe hours: Wednesday- Opens at 7 a.m. • Thurs.-Fri.: 7 a.m.-2 p.m.

The Last Saturday- Steak Night! Surf & Turf, open 5-9 p.m.

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

UNDER NEW MANAGEMENT: Tracy Ediger, 785-366-6645

Gary Suderman - 913-837-6785 • Dave Bures - 402-766-3743 • Rick Parkerson - 620-767-2738

Bob Kickhaefer, Cell - 785-258-4188

Bullfrog season opens July 1, signalling summer is here

Bullfrogs: big, green, bellowing creatures of the pond. They're a common sight in Kansas, and more so a common sound at night. A bullfrog's call seems to

say "Summer is here." And what better way to celebrate the season than to catch these water-loving acrobats with friends and family. The Kansas bullfrog season will be open from July 1-October 31. The daily limit of bullfrogs is eight and the possession limit is 24.

Frogging is a great way to cool off after a hot summer day, but first you need to locate a good waterhole. You can do this by listening for bullfrog croaks during the evenings. The more you hear, the better

it will be. Next, you'll need some simple gear. A burlap sack or fish basket to hold your frogs, old tennis shoes for wading, a quick pair of hands, and a flashlight or headlamp. Lastly, you'll need a fishing license, unless exempt by law. That's it, you're ready to catch frogs. You can stick to using your hands (it's the most fun), or you can opt for other legal methods such as hook and line, dip net, gig, or bow and crossbow (a line must attach the bow to the arrow and the arrow must have a barbed

head).

While frogs can be caught during the day, most frogging is done at night. Stealth is required because whichever method you select, you must get close. Frogs' eyes shine in a flashlight beam and the light seems to freeze them in place. However, your approach still needs to be slow and careful. Heavy footfalls on shore or ripples in the water will send the frog hopping, light or no light.

The ultimate challenge is to catch the frog by hand,

which requires a low, quiet approach from behind, then a lightning snatch. Aim to grab the frog mid-body, just in front of the rear legs. It's good fun, especially for kids; staying up past bedtime, wading in the shallows and getting really muddy on a warm summer night - it's a 12-year-old's dream!

Apart from providing some summertime fun, frog legs are wonderful table fare. Try yours dipped in batter and fried. After all, eating them is the next best thing to catching them.



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Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

Selling Hogs & Cattle every Monday

RECEIPTS FOR THE WEEK TOTALED 477 CATTLE AND 154 HOGS.

| | | | | |
|----------------|-------------------|---------------|---------------|-------------|
| STEERS | | 4Blk | Mcperson | 658@145.00 |
| 400-500 | \$162.00-\$175.00 | 6 Blk | Randolph | 802@142.00 |
| 600-700 | \$160.00-\$168.00 | COWS | | |
| 700-800 | \$150.00-\$158.00 | 1 Char | Belleville | 1170@80.00 |
| 800-900 | \$137.00-\$148.50 | 1 Blk | Hillsboro | 1600@79.00 |
| 900-1,000 | \$135.00-\$143.50 | 1 Blk | Hillsboro | 1370@78.00 |
| HEIFERS | | 1 Char | Belleville | 1145@78.00 |
| 400-500 | \$157.00-\$163.00 | 1 Blk | Abilene | 1690@78.00 |
| 500-600 | \$153.00-\$154.00 | 1 Blk | Hillsboro | 1570@77.50 |
| 600-700 | \$148.00-\$151.50 | 1 Rwf | Westmoreland | 1400@77.50 |
| 800-900 | \$135.00-\$142.00 | 1 Blk | Hillsboro | 1567@77.00 |
| STEERS | | 1 Blk | Enterprise | 1560@77.00 |
| 3 Blk | Lincoln | 1 Red | Hillsboro | 1610@76.75 |
| 6 Blk | Lincoln | 1 Char | Assaria | 1400@76.00 |
| 7 Blk | Randolph | 1 Blk | Hillsboro | 1630@70.00 |
| 8 Mix | Salina | BULLS | | |
| 9 Blk | Randolph | 1 Char | Lorraine | 1850@102.00 |
| 6 Blk | Salina | 1 Blk | Junction City | 16985@93.00 |
| 3 Blk | Mcperson | 1 Red | Abilene | 1935@91.00 |
| 8 Mix | Randolph | CALVES | | |
| 5 Blk | Glen Edler | 2 Blk | Assaria | 238@435.00 |
| 62 Mix | Assaria | 1 Bwf | Assaria | 240@400.00 |
| 45 Mix | Glen Elder | 1 Rwf | Salina | 120@385.00 |
| 56 Mix | Glen Elder | HOGS | | |
| HEIFERS | | 24 Fats | Lebanon | 320@56.10 |
| 5 Blk | Lincoln | 22 Fats | Tescott | 266@56.00 |
| 9 Blk | Salina | 28 Fats | Cheney | 236@55.85 |
| 14 Blk | Salina | 4 Fats | Waldo | 244@55.75 |
| 1 Bwf | Hutchinson | SOWS | | |
| 5 Blk | Randolph | 8 Sows | Clay Center | 276@56.00 |
| 4 Blk | Hutchinson | 7 Sows | Abilene | 509@47.50 |
| 3 Blk | Salina | 4 Sows | Abilene | 541@46.50 |
| 15 Blk | Salina | 9 Sows | Abilene | 502@45.75 |
| 12 Blk | Salina | 4 Sows | Abilene | 501@45.50 |
| 9 Blk | Salina | 3 Sows | Abilene | 502@45.00 |

IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- 6'8" X 24' GOOSENECK STOCK TRAILER METAL TOP
- 6'8" X 24' GOOSENECK STOCK TRAILER
- 6'8" X 24' GR Stock Trailer Metal Top

EARLY CONSIGNMENTS FOR MONDAY, JUNE 27, 2017:

- 180 strs 90% blk, 825-875 lbs.
- 75 strs 700-900 lbs off grass
- 180 strs 850-950 lbs
- 50 blk strs 900 lbs off grass, home raised
- 70 strs 775 lbs no sort
- 20 strs 700-725 lbs no sort

PLUS MORE BY SALE TIME!

Livestock Commission Co., Inc. Salina, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

Hogs sell at 10:30 a.m. Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

THURSDAY — CATTLE ONLY

Selling starts at 10:00 a.m. Consign your cattle as early as possible so we can get them highly advertised.

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MONDAY THROUGH JUNE

Starting at 12:00 Noon

*** NO Monday SALE July 3! ***

THURSDAY SALES RESUME JULY 13, 2017 at 10:00 AM

COW SALES:

July & August Date to be Determined

SPECIAL FEEDER SALES:

Tuesday, July 25 • Tuesday, August 1

EARLY CONSIGNMENTS FOR THURSDAY, JULY 13, 2017:

- 35 strs/hfrs 600-750 lbs
- 33 strs/hfrs long weaned, mostly Harms bulls, 2 rnd vacc off brome, gtd open home raised, 650-850 lbs
- 50 strs/hfrs open 700-900 lbs
- 80 strs/hfrs blk gtd open 2 rnds vac 500-800 lbs

PLUS MORE BY SALE TIME!

EARLY CONSIGNMENTS FOR THURSDAY, JULY 20, 2017:

- 55 blk strs/hfrs long weaned open 2nd rnd vacc 700-800 lbs
- 70 blk strs/hfrs 2nd rnd vacc 550-700 lbs
- 75 strs/hfrs long weaned 2 rnd vacc 600-800 lbs
- 217 hfrs mostly blk off brome 750-800 lbs

PLUS MORE BY SALE TIME!

For Information or estimates, contact:

Mike Samples, Sale Mgr., Cell Phone 785-826-7884

Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901

Check our listings each week on our website at www.fandrillive.com

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Lisa Long
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Kenny Briscoe
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Kevin Henke
H: 785-729-3473, C: 785-565-3525
Agenda, KS

Austin Rathbun
785-531-0042
Ellsworth, KS

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CLASSIFIED AD DEADLINE IS 10:00 A.M. FRIDAY

RATES AND DISCOUNTS

CLASSIFICATIONS

Although complete name, address and phone number need not appear in your ad, we must have this information for our records.

Name: _____ Phone #: _____

Address: _____ City: _____ State: _____ Zip: _____

WRITE YOUR AD HERE



FIGURE YOUR COST HERE:

RATE: 65¢ a word.

Number of words: _____ @ 65¢ each

Cost for one week: _____

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

Run ad _____ consecutive weeks.

Category: _____
Cost for _____ weeks: _____

DISCOUNTS: (with cash or credit card orders only)
deduct 10% if ad runs 2 or 3 weeks;
deduct 25% if ad runs 4 weeks.

Less discounts: _____

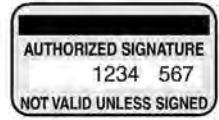
TOTAL: \$ _____

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REMINDERS

- Please notify us of any errors at once. We cannot be responsible beyond the first insertion.
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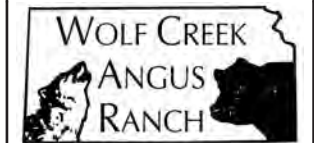
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GOAT

MULBERRY MEADOWS complete dispersal sale- April 14, 2018- Online video/live auction dispersal sale- On the farm at Brookville,KS.

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2017: August 19

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 Cat 8' roll out bucket, off 928G
 IH 1566 7500 hrs, 18.4x38 duals
 2013 JCB260 skid loader
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 New MacDon R116 Moco.
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 2013 JCB260 skid loader
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 2008 JCB 536-60 Agra telehandler 2,800 hrs
 2013 JD 323D track skid loader, 560 hrs.
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- '06 JD 9560.....\$89,500
- '90 JD 9400.....\$35,000
- '12 CIH 7130.....\$189,500
- 32 corn heads
- 24 flex heads

— SPRAYERS & APPL. —

- '15 JD R4030.....\$199,500
- '13 4630.....\$129,500
- '11 JD 4630.....\$94,500
- '10 JD 4630.....\$115,000
- '02 Willmar.....\$43,500
- '09 Spray Coupe 4460\$59,500
- '13 Apache AS720.....\$149,500
- '08 CIH 4520.....\$115,000
- '04 Peterbilt floater.....\$59,500

— TRACTORS —

- '12 JD 9560RT.....\$229,500

SHUCK IMPLEMENT

IN STOCK- NEW MASSEY FERGUSON HESSTON 2900 SERIES

Rhino 4' rotary mower, good safety shield, PTO, shear pin. Stk#5415.....\$350

Bush Hog SQ72 squaler rotary mower , single spindle, 72". Stk#5714.....\$900

Case 3900 20' disc, may be 21'. Front 19"/rear 20.5". Stk#55.36.....\$7,500

Krause 5639-42 field cultivator, excellent cond., low use, floating hitch. Stk#2400.....\$39,900

2004 McCormick MTX120, 1892 hrs, 3 remotes, radial rear tires 75%, Koyker 545 ldr w/bucket & bale spike. stk#5533.\$37,900

Terex ASV PT110 Forestry, stk#1158.....\$49,900

Fecon BH074XT mulcher. stk#1835.....\$10,900

Krause 5639-39 field cultivator, stk#2400.....Just In

2015 MF 3710 spreader 175 bushel, lightly used. Stk#3480 consigned.....\$9,500

New Idea 403 side delivery hay rake, stk#5498 consigned.\$900

Hesston 560 round baler 5x6 w/ gathering wheel & Hyd. kicker. stk#4613 consigned....\$2,900

2011 Polaris Ranger 800EFI 500 eng. hrs, 3500 mi., pwr steering, stk#5497 consigned.....\$6,900

Chain drag harrow approx. 6' wide. Stk#5500 consigned.\$450

Oliver Super 77 wide front 3pt hitch, runs good, good clean tractor. stk#2882 consigned...\$3,500

2009 ASV PT100 Forestry, 2805 hrs, very clean well maintained machine. We sold new and to 2nd owner. 800 hrs on new tracks. stk#1158 consigned.....\$39,900

1982 Versatile S55, 6,200 hrs, row crop axles, 3pt hitch & PTO, stk#5247.....\$22,500

Sunflower 4311 Disc Ripper, 7 shanks, 14', stk#4096 consigned.....\$5,900

1970 Massey Ferguson 175 diesel, very clean, runs good, 2,332 hrs, 63 PTO HP, new left rear tire. stk#3818 consigned.....\$8,500

White 2-62 FL forklift, High lit, extra good condition, Reverse-O-Torc 6 Cyl. diesel, few hours on overhaul, stk#2250..\$6,500

3 pt utility carrier, home fabricated, well made. Stk#4468,

MACHINERY

SALVAGING COMBINES N5, N7, L, L2, M, F, G, C, CII, AII, A&E, K Gleaner. 6620, 7720, 8820, 7700, 6600, 4400, 3300, 105, 95, 55, JD. 915, 1480, 1460, 1420, 815 IHC. 860, 760, 750, 510, 410, 300 Massey. Several black and orange Gleaner cornheads.

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VICON KM 4000S DISC mower 13.5 foot cut, 10-3 blade disc, only 800 acres mowed, excellent condition. 785-479-1000.

- '04 JD 9420.....\$99,500
- '02 JD 8520.....\$89,500
- '10 JD 8320R.....\$129,500
- '11 JD 8310R.....\$159,500
- '12 JD 8335RT.....\$197,500
- '11 JD 8335 MFWD..\$157,500
- '03 JD 7420.....\$64,500
- '10 6330 MFWD.....\$38,650
- '15 JD 6155M.....\$97,500
- '14 JD 6125M.....\$97,500
- '15 CIH 240.....\$169,500

— TILLAGE —

- '13 JD 2623VT 30'.....\$42,500
- '11 JD 2310 45'.....\$69,500
- '13 JD 2210 28'.....\$29,500
- '13 JD 20' VT.....\$36,500
- '05 JD 512 22 1/2'.....\$29,500
- '11 CIH 330 34' VT.....\$32,500
- '06 SF 1444 40'.....\$29,500
- '11 CIH 370 30'.....\$34,500

— HAY EQUIPMENT —

- '90 JD 1219 9'.....\$4,000
- '04 Vermeer 7030.....\$4,500
- '12 NH H6750 9'.....\$7,500

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consigned,.....\$500

New Idea 400 side delivery hay rake, New bearings, kept lubed, many new tines, stk#4479, consigned...\$1,800

E-Z Trail GC37 header transport, red, 37", lights, brakes, straps. stk#2303 New in stock Challenger 660 (2007), 2,840 hrs/1880 sep hrs. Field Star, 18.4 x 42 duals, lateral tilt, Var speed feeder house, RWA, chaff spreader, new bearings & sprockets in feeder house, new feeder house chain & unloading augers 2 yrs ago. stk #2236.....\$74,900

(3) Bale carrier 3 pt hitch forklift style, stk#4465, consigned Worksaver, stk#4466, consigned Blue, stk#4467, consigned Red.....\$300/each

Hesston 845 round baler twine tie controller w/hyd. kicker, nice & clean, one owner, shedded, starting flaps recently replaced, stk#4406..\$5,100

Sunflower 6333-31 land finisher, excellent condition, lightly used, w/6 row high residue spike drage. Stk#1865.....\$39,900

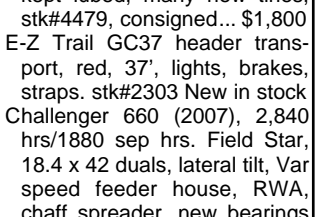
2013 MF 2170XD, 15,700 bales, C1000 monitor, moisture sensor, roller chute, bale weight kit, stk#1552, 0% For 36 Month Financing.....\$69,900

Central States DBS2000 Bale Spear, one owner, lightly used on Hobby Ranch, excellent cond., Stk# Consigned....\$500

Michelin Agribib Radial tire set. Pair: 380/90 (14.9) R46 R1W on rims for Cast Centers (no Centers) Pair: 380/85R30 R1W on Waffle Wheels off of 2013 MF 7615 w/765 hrs.....\$3,900

2013 Woods PRD7200 finish mower, barely used, MF red brand, 72" wide premium. Stk#1022 consigned....\$2,495

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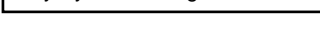
- 13 JD S670 22-D 2WD, 656 Hrs.....\$259,500 E (U09738)
- 14 JD S670 22-D 2WD 480 Hrs.....\$199,500 E (11462)
- 14 JD S670 26-S PRWD, 812 Hrs.....\$298,500 H (10461)
- 14 JD S670 26-S PRWD, 812 Hrs.....\$266,000 B (10614)
- 13 JD S670 26-S 2WD, 1563 Hrs.....\$205,000 H (10643)
- 13 JD S670 26-S 2WD, 1742 Hrs.....\$205,000 H (10644)
- 13 JD S670 26-S 2WD, 1157 Hrs.....\$229,000 E (10654)
- 13 JD S670 22-S 2WD, 1161 Hrs.....\$228,000 H (10795)
- 13 JD S660 22" UL DLS 2WD, 703 Hrs.....\$199,000 H (11015)
- 15 JD S670 22-D 2WD, 520 Hrs.....\$315,000 B (11051)
- 15 JD S670 22-D 2WD, 712 Hrs.....\$275,000 B (11052)
- 13 JD S680 PRWD, 870 Hrs.....\$293,000 B (11085)
- 15 JD S670 26-S PRWD, 946 Hrs.....\$269,500 H (11123)
- 14 JD S670 22-D 2WD, 622 Hrs.....\$259,000 B (11165)
- 14 JD S670 22-S 2WD, 1380 Hrs.....\$225,700 H (11169)

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- CIH 2142 rigid head.....\$25,000
- CIH 2010 rigid head 30..\$11,000
- 1990 JD 853A rowhead..\$14,000
- JD 853A Row head.....\$10,000
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- JD 643 Corn head 6r.....\$3,000
- 2007 CIH 2208 Cornhead 8R30.....CALL
- 2007 CIH 2412 comhead 12R30.....\$14,500
- 2011 CIH 3208 cornhead 8R30.....\$17,000
- 2008 CIH 3208 Cornhead 8R30.....CALL
- JD 220 flexhead.....\$1,500
- JD 925 flexhead.....CALL
- Kinze 1040 graincart.....\$23,000
- UFT 500 grain cart.....\$3,000
- New Holland 258 rake.....\$1,500
- Vermeer R2300 hyd. rake.....\$11,500
- '93 Hesston 4750 baler..\$15,000
- 2009 JD 568 Rd. baler..\$18,000
- CIH RB564 rd. baler, 14,000 bales.....\$10,000
- Supreme 400 verticle mixer wagon.....\$15,000
- Haybuster 2620 bale processor.....\$11,500
- 1995 Meyer Chuckwagon.....\$7,000
- Kelly Ryan feed wagon 4x10.....\$2,000
- JD 716 A Chuckwagon.....CALL
- JD 630 disc.....\$6,500
- IH 496 disc.....\$3,500
- Anhydrous Knife machine Flex-King.....\$15,000
- JD 885 cultivator 3pt 8r30..CALL
- JD 886 cultivator 8 rw,.....CALL
- Blu Jet Ripper pull-type 7 sk.....\$9,000
- CIH disc chisel.....\$5,000
- Bush hog ripper.....\$1,250
- (2) 1999 JD 1560 NT drill 10"x15".....CALL
- JD 1770 planter 8R30.....\$10,000
- GP3 S-3000 drill.....\$16,000
- JD 455 drill, 7.5 spacing.....CALL
- Rhino SR20M-20 Batwing mower.....\$6,500
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- 16 JD S670 22-D 2WD, 530 Hrs.....\$323,500 B (11518)
- 13 JD S670 26-D 2WD, 1453 Hrs.....\$215,000 B (11584)
- 11 JD 9770STS DLS 22.5 2WD, 2040 Hrs.....\$145,000 B (11595)
- 09 JD 9870 2WD, 2214 Hrs.....\$92,500 H (11679)
- 12 JD S680 2WD, 775 Hrs.....\$210,000 E (11737)
- 15 JD S670 2WD, 599 Hrs.....\$265,000 B (11762)
- 15 JD S670 2WD, 607 Hrs.....\$265,000 B (11764)
- 93 JD 9600 2WD, 3600 Hrs.....\$29,000 EH (11774)

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MACHINERY

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ALLIS N7-6, L2, L, M, G, F2, F, CII, AII; JD 8820, 7720, 7700, 6600, 4400, 3300, 105, 95, 55; MF 860, 760, 750, 510, 410; IH 1680, 1480, 1460, 915, 815, 715, 503, 403; NH TR70-85, 1400, 995, 985, 975.

SALVAGE TRACTORS
ALLIS 7000-7080, 220, 210, 190XT; D17-19; JD 84-8630, 7520, 6030, 5020, 4630, 4430, 4020, 3020, 720, 730; CASE 1470, 1370, 1270, 1200, 1070, 930, 400; IH 1568, 1466, 1256, 1066, 1026, 806; FORD 4-5-6-8-9000; MF 2745, 1155, 1100, 90, 85; OLIVER 2150; MM G1000; WH2-150, 4-150.

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- 2004 Case IH MX230, 6257 hrs.....\$67,500 (M)
- 2002 Case IH MX200 2wd, 3214 hrs.....\$69,500 (M)
- 2014 Case IH Maxxum 115 w/ldr, 437 hrs.....\$86,500 (S)
- 1997 Case IH 8940 MFD, 9998 hrs.....\$37,500 (C)
- 1988 Case IH 7120 MFD, 7500 hrs.....\$38,000 (W)
- 2014 Case IH Steiger 350 HD 4WD, 887 hrs....\$174,500 (C)
- 2005 Case IH STX2325 4WD.....\$91,000 (W)
- 1997 Ford NH 9282 4WD, 5297 hrs.....\$49,500 (C)
- 1974 JD 4630 2wd, 4552 hrs...\$16,400 (C)
- 1985 JD 4850 MFD, 7041 hrs...\$27,250 (W)
- 2011 JD 8310R, 2446 hrs.....\$172,500 (M)

COMBINES:
2013 Case IH 8230, 1787 hrs..\$169,500 (M)
2004 Case IH 8010, 3053 hrs..\$79,500 (C)

MACHINERY

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'01 Case IH MX220 MFD, 6,060 hrs
'98 Case IH 8910 MFD, 7630 hrs
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'13 CASE IH DC132 disk MOCO
'10 CASE IH 1250 planter 12/30 Bulk fill
'09 Case IH 330 turbo 34'
'07 Case IH RMX340 25' disc IH 496 Disc, 22'
'05 JD 2210 FC 35' float hitch IH 4500 F.C. 18.5'
CIH 6500 conser til chisel 14' JD 235 disk, 23'
IH 55 chisel 7' trailing
IH 9' chisel, 3pt
'96 JD 9500, 4WD, 3275 eng., 2205 sep.
'91 JD 653A row head
'89 JD 643 cornhead
'82 JD 6620, 3200 hrs, 4WD
'94 JD 915 flex
'91 Case IH 1680 combine 4WD
'06 Case 1020 30'
'05 Case 1020 30'
'87 Case IH 1020 15'
'88 Case IH 1020 16.5'
'89 Case IH 1020 25'
'94 Case IH 1020 20'
'94 Case IH 1063 cornhead
'89 Case IH 1083 cornhead
IH 810 platform 20' w/trail
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Agriculture and Natural Resources opportunity in Greenwood County, office in Eureka, Kansas. See www.ksre.ksu.edu/jobs for responsibilities, qualifications, and application procedure. Application deadline: 7/7/17. K-State Research and Extension is an EOE of individuals with disabilities and protected veterans. Background check required.

The Clay County Conservation District is accepting applications for a full time District Manager. Qualifications include a high school diploma or GED, computer skills, and ability to communicate effectively. Knowledge of agriculture & natural resources is helpful. Some outdoor field work may be required. Wages are based on ability and experience. Application forms are available at the Clay County Conservation District, 610 5th Street, Clay Center, KS, or by email at: tom.meek@ks.nacdnet.net Applications will be accepted through July 7, 2017. **The Clay County Conservation District is an equal opportunity employer.**

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ServSafe food handlers classes being offered in Parsons

Food safety training for food handlers is being offered on Monday, July 10, 2017, at K-State's Southeast Research and Extension Center, 25092 Ness Rd. (Corner of Hwy. 400 and Ness Rd.), Parsons. Two class times are available. One class will be offered from 9:00 AM to 12:00 p.m., and the same class offered again from 2:30 p.m. to 5:30 p.m.

This three-hour course utilizes materials from the National Restaurant Association and provides an overview of basic sanitation procedures, from receiving food at the loading dock to serving it to customers. Whether you are a food service worker at a restaurant, fast food establishment, long term care facility or some other location, you are invited to participate in one of these ServSafe Food Handler Trainings

being offered by Barbara Ames, Family and Consumer Sciences Agent for Wildcat Extension District.

Cost of the training is \$10 per person and the registration deadline is Thursday, July 6, 2017. For more information or to register, call 620-331-2690 or email sadolph@ksu.edu.

The ServSafe program is recognized by more federal, state, and local jurisdictions than any other food safety training program. This program promotes food quality, and helps participants understand and control food-borne illness risk factors.

The course content includes: food safety hazards; proper personal hygiene; how to provide safe food; purchasing, receiving and storage; preparing, cooking and serving; cleaning and sanitizing.

Ten graduate from KFB's Masters Program

Ten Kansans graduated from Kansas Farm Bureau's Masters program June 14. The program, now in its 19th year, offers an up-close and personal look at life on Kansas farms and the ag industry with six educational capsules. Participants learn about the fundamentals of this ever-changing industry while traveling around the Wheat State.

Graduates included:
Sonja Betzen, Farm Bureau Financial Services
Loretta Charlton, Kansas Department of Agriculture
Wendy Holmes, Meade County Farm Bureau
Brian Hupach, Farm Bureau Financial Services
Teresa Reimer, Osborne County Farm Bureau
Julie Roller, Abilene tourism director
Lesley Schmidt, President of Kansas Agri-Women
Dave Topliff, Farm Bureau Financial Services
Ranea Veal, Farm Bureau Financial Services
Donna Walker, Seward County Farm Bureau
The experience is open to anyone with an interest in learning more about agriculture says Charlie Sargent, director of the program.

"We welcome anyone interested in learning more about this important industry. It could be a teacher, a preacher, a banker, a reporter or anybody, yes even a farmer or rancher," says Sargent. "All of us can learn and share our insights with others."

For more information, call Charlie at (785) 587-6112, email sargentc@kfb.org or visit <http://www.kfb.org/Get-Involved/The-Masters>.

Controlling Sericea lespedeza

Sericea lespedeza has been a statewide noxious weed in Kansas since July 1, 2000. Despite control efforts, this introduced, invasive species continues to persist on rangeland, pasture, and CRP acres in the state. Sericea lespedeza has a tremendous seed bank that helps reestablish stands following control efforts. Sericea lespedeza infests nearly 450,000 acres in Kansas.

There are no known biological controls that can be effectively used on sericea lespedeza. However, grazing with sheep and goats can suppress sericea lespedeza stands and produce a saleable product. Frequent mowing will reduce sericea lespedeza, but is also damaging to plants that might be growing/competing with sericea. A single mowing in mid- to late-July will eventually reduce stands of sericea lespedeza to some extent, but has not eliminated sericea, even after several years of mowing. A late-summer mowing will eliminate most seed production. Application of appropriate herbicides about four to six weeks after mowing will help reduce sericea lespedeza stands. Prescribed burning in April seems to stimulate seed germination. Burning in August and early September greatly reduces seed production.

Herbicides applied at the correct time and under favorable environmental conditions can significantly reduce sericea lespedeza, but retreatment has proven

to be required. Early summer is a good time to consider spraying sericea lespedeza. Plants are in a vegetative growth stage and previous research has indicated good to excellent control at this time.

Remedy Ultra (triclopyr) and PastureGard HL (triclopyr + fluoxypyr) can provide effective control when applied during June and into early July when the sericea plants are in a vegetative growth stage. Broadcast applications of Remedy Ultra at 1 to 1.5 pints/acre and PastureGard HL at 0.75 to 1.5 pints/acre should be applied in spray volumes of ten to 20 gallons/acre.

Products containing metsulfuron, such as Escort XP, Cimarron Plus, and Chaparral, are generally more effective in the late summer when sericea lespedeza is actively blooming. Recommended rates are 0.5 oz/acre of Escort XP, 0.625 oz/acre Cimarron Plus, and 2.5 to 3 oz/acre Chaparral. Use a non-ionic surfactant with all of these products. These products containing metsulfuron may stunt tall fescue.

For spot applications, mix 0.5 fl oz PastureGard HL per gallon of water, use a 1 percent solution of Remedy Ultra in water, or 1 gram Escort XP per gallon of water. Aerial applications of these products should be done with a minimum spray volume of three gallons per acre. Higher volumes, e.g. 5 gallons per acre, will generally be more effective.

Herbicide treatments

will need to be repeated every two to four years to keep this invasive species in check. Initial treatments should reduce dense stands to the point where spot treatment can be used in future years. Left untreated, sericea lespedeza will dominate a site, greatly reducing forage production and species diversity.

If you are unfamiliar with sericea lespedeza, learn how to identify the species and get started with a control program. Be persistent with control efforts to keep this invasive species at manageable populations.

An excellent collection of more information about sericea lespedeza is on this web page <http://www.agronomy.k-state.edu/extension/range-and-forage/sericea-lespedeza/> maintained by K State Research and Extension Range Specialist Dr. Walt Fick.

For more information about this and other livestock and forage topics contact the K-State Research & Extension, Wildcat District office at (620) 784-5337 or email me at rkmartin@ksu.edu or follow me on Twitter at https://twitter.com/WED_Livestock. For more information about Wildcat District resources go to www.wildcatdistrict.ksu.edu, or <https://www.facebook.com/Wildcat.Extension.District>

(Source: Walt Fick, K State Research & Extension Rangeland Management Specialist)

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Hunt Limousin Seedstock producer of the year



The Beef Improvement Federation (BIF) presented Hunt Limousin Ranch, Oxford, Nebraska, the BIF Seedstock Producer of the Year Award June 2 during the group's annual meeting and symposium in Athens, Georgia. This national award is presented annually to a producer to recognize their dedication to improving the beef industry at the seedstock level.

The Charles Hunt Family operation began in the 1960s after Charlie attended the University of Nebraska. Currently, the 6,500-acre diversified operation consists of dryland and irrigated corn, soybeans, alfalfa, wheat and grassland supporting 300 cows, private-treaty bulls and replacement females.

The goal at Hunt Limousin Ranch is to: "Conserve the land for the future generations, keep current and knowledgeable on the leading cattle issues, provide high-quality cattle for a fair price, and treat people with honesty and integrity."

Collecting and utilizing performance records form the backbone of their business. When they started in the purebred Limousin business, the family developed the "Hunt Herd Manager" computer program to track breeding data, calf data, cow and sire data, mailing lists, customer purchases and files where they can enter and track expected progeny differences (EPDs). The Hunt family believes strongly in total herd reporting and do this through the North American Limousin Foundation's Limousin Inventory Management System program.

Through the years, the Hunt family has implemented programs to stay on the cutting-edge of seedstock production. In 1995, they started a customer buy-back program. In 2000, when their son Daniel graduated from the University of Nebraska and returned home to the ranch, they expanded their heifer development program, bull sales, embryo transfer work and row-crop farming ventures.

Hunt genetics have been used all over the globe, including Canada, Mexico, Australia and New Zealand. Bulls have been on display at the National Western Stock Show for the past 32 years.

Charlie and his wife, Nancy, have four children, David, Susan, Sally and Daniel; and nine grandchildren.



Yard & Garden Tips By Gregg Eyestone

Beating the Weeds

The early season rains were helpful for the plants. This would include weeds. Pre-emergent herbicides work in many cases. There are always escapes that will occur. In many cases, we are in the post-emergent management mode.

Growing healthy desirable plants is the first goal. Best watering and fertilizer practices will aid the growth of the desirable plants to compete with weeds. The use of mulch will benefit the desirable plants over the weeds.

Cultivation is an option. A scuffle hoe cuts the weeds off with little soil disturbance to stimulate new weeds. Hand pulling after a rain or irrigation event is very effective.

Lawn weeds can be reduced by using post-emer-

gent herbicides when necessary. Products containing quinclorac and like products will take out growing crabgrass, foxtail and other undesirable warm-season grasses from lawn grasses. It is often blended in with broadleaf weed herbicides. Read and follow the label directions. Applying some products during high temperatures can lead to unwanted consequences. Grass clippings should not be used for mulch since the herbicide is still active.

A product containing sethoxydim may be used according to label directions in shrub, flower and some vegetable areas for annual grassy weeds. The label indicates to use a crop oil when mixing with water. This allows for better uptake of the herbicide.

Herbicide products are just one of the tools used in managing weeds. New products and labeling occur constantly. If you have a weed you are not familiar with, you may bring it to the office or send a picture. Management options are available upon request.

Weeds are constantly trying to grow and do their thing. It takes a concerted effort to keep a balance in the landscape.

If you would like additional information on a horticulture topic, please contact Gregg Eyestone at the Riley County office of K-State Research and Extension. Gregg may be contacted by calling 537-6350 or stopping by 110 Courthouse Plaza in Manhattan or e-mail: geystone@ksu.edu and at www.riley.ksu.edu

Kansas State University hosts inaugural conference for rural veterinary practitioners

An inaugural event in Manhattan helped educate rural veterinarians on how to respond and work together in the event of a potential transboundary emergency situation.

The June 4 Rural Veterinary Practitioner Conference at the Hilton Garden Inn was sponsored by the U.S. Department of Agriculture in collaboration with the Beef Cattle Institute, Center of Excellence for Emerging and Zoonotic Animal Diseases, National Agriculture Biosecurity Center, College of Veterinary Medicine at Kansas State University and the Kansas Department of Agriculture.

The conference's theme was "Preparing for Disease Challenges" and featured a variety of speakers such as Justin Smith, Kansas' animal health commissioner. He has responsibility for directing the statewide response outbreaks of emerging or transboundary disease. He noted that Kansas is particularly vulnerable, in part, due to the annual shipment of more than 4.5 million head of cattle into the state, not counting cattle shipped purely for purposes of slaughter.

Smith said contingency plans in Kansas are based on the possible outbreak of foot and mouth disease, as it represents a worst-case scenario. He said, "If we can

stop that, we can stop anything."

Smith said the first element of such contingency plans is to stop movement of the animal, which is a key element in controlling the spread of any potential outbreak. He emphasized how veterinarians in Kansas would play key roles in the event of any such outbreak since the state's full-time manpower is sufficient to cope with the needs in an emergency.

The state response would involve a permitting process, but he added that the state does not want any of its plans to damage the ability of farmers and ranchers to participate in the market.

"We want to make sure we can move product as soon as possible," Smith said. "The issue is doing it at the speed of commerce."

Ken Burton, director of project coordination for the Biosecurity Research Institute at Kansas State University and program director for the NABC, noted that with about 320,000 viruses capable of infecting mammals, potential concerns are abundant. He pointed out the nation's agricultural sector is responsible for about one in ten jobs, contributing \$835 billion to the nation's gross domestic product. With that level of activity, Burton said it's easy

to understand why the job of protecting the nation's animal food supply from potential transboundary and emerging threats is so vital.

Other Kansas State University animal health experts spoke at the conference including Natalia Cerniachiari, assistant professor of diagnostic medicine and pathobiology, who discussed the use of data to investigate outbreaks. Mike Sanderson, a professor in the same department, outlined the Secure Beef Supply program.

Matt Miesner, clinical associate professor and section head of livestock services discussed common diseases that can look like more serious transboundary diseases. Professor emeritus Jerome Nietfeld reviewed differential diagnoses of transboundary diseases, and Lina Mur, research assistant professor in infectious diseases epidemiology, gave an overview of the global movement of transboundary animal diseases.

Gregg Hanzlicek, assistant professor and director of production animal field investigations, spoke about disease trends as determined by diagnostic submissions to the Kansas State Veterinary Diagnostic Laboratory. Bob Larson, professor of production medicine, covered clinical diagnostic interpretation.

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| | | | HOLTON | 1 BLK HFRT | 1,200@\$101.00 |
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| VERMILLION | 1 BLK STR | 420@\$185.00 | PAWNEE CITY,NE | 1 BLK COW | 1,095@\$100.00 |
| LEONARDVILLE | 1 BLK STR | 415@\$185.00 | SENECA | 1 BLK COW | 1,570@\$75.00 |
| PAWNEE CITY,NE | 4 BLK STR | 496@\$175.00 | SENECA | 1 BLK COW | 1,795@\$74.00 |
| SENECA | 1 BLK STR | 510@\$174.50 | SENECA | 1 RED COW | 1,080@\$73.00 |
| BEATRICE,NE | 4 MIX STR | 451@\$173.00 | SENECA | 1 RED COW | 1,615@\$72.00 |
| HANOVER | 1 BLK STR | 500@\$172.00 | SENECA | 2 BLK COW | 1,202@\$72.00 |
| MARYSVILLE | 2 BLK STR | 555@\$170.50 | SENECA | 1 BLK COW | 1,375@\$72.00 |
| BEATRICE,NE | 11 MIX STR | 535@\$170.25 | SENECA | 1 BLK COW | 1,110@\$72.00 |
| VERMILLION | 4 BLK STR | 571@\$170.00 | SENECA | 1 CHAR COW | 1,340@\$72.00 |
| PAWNEE CITY,NE | 14 XBRD STR | 591@\$162.50 | SENECA | 1 XBRD COW | 1,225@\$71.50 |
| MORROWVILLE | 1 RED STR | 570@\$159.00 | SABETHA | 1 HOL COW | 2,080@\$70.50 |
| PAWNEE CITY,NE | 6 XBRD STR | 640@\$158.60 | SABETHA | 1 HOL COW | 1,870@\$70.50 |
| SENECA | 2 XBRD STR | 655@\$157.00 | SENECA | 2 BLK COW | 1,225@\$70.00 |
| MANHATTAN | 1 BLK BULL | 425@\$155.00 | SABETHA | 1 HOL COW | 1,505@\$69.50 |
| BAILEYVILLE | 55 BLK STR | 928@\$144.00 | SABETHA | 1 HOL COW | 2,010@\$69.50 |
| BLUE SPRINGS,NE | 1 WF BULL | 920@\$108.00 | SENECA | 2 MIX COW | 1,345@\$69.00 |
| HEIFERS | | | | | |
| MARYSVILLE | 2 BLK HFR | 470@\$162.00 | SENECA | 1 BLK COW | 1,425@\$68.00 |
| LEONARDVILLE | 3 MIX HFR | 331@\$161.00 | SABETHA | 1 HOL COW | 1,815@\$68.00 |
| PAWNEE CITY,NE | 9 BLK HFR | 562@\$160.00 | SENECA | 1 BLK COW | 1,470@\$67.50 |
| SENECA | 2 BLK HFR | 525@\$159.00 | SENECA | 1 BLK COW | 1,305@\$67.50 |
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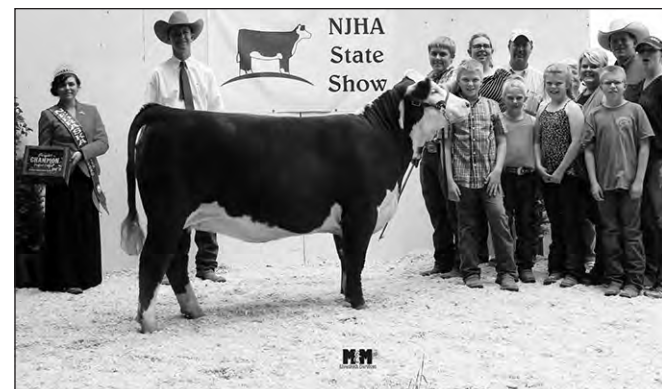
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Wes Denton, Blue Rapids, is shown with his February 2016 heifer, SH WD Cutie D656 when named Champion Owned Heifer by Judge Jeff Berry on the second day of the Nebraska Junior Hereford Show. Denton with Cutie D656 was also selected by Judge Matt Copeland as his Champion Bred & Owned Heifer on the first day of the event.

Unusual soybean coloration sheds a light on gene silencing

Today's soybeans are typically golden yellow, with a tiny blackish mark where they attach to the pod. In a field of millions of beans, nearly all of them will have this look. Occasionally, however, a bean will turn up half-black, with a saddle pattern similar to a black-eyed pea.

"The yellow color is derived from a natural process known as gene silencing, in which genes interact to turn off certain traits," explains Lila Vodkin, professor emerita in the Department of Crop Sciences at the University of Illinois. "Scientists make use of this process frequently to design everything from improved crops to medicines, but examples of naturally occurring gene silencing – also known as RNA interference, or RNAi – are limited. A better understanding of this process can explain how you can manipulate genes in anything

from soybeans to humans."

The RNAi pathway was discovered about 20 years ago as a naturally occurring process in a tiny roundworm. The discovery and follow-up work showing its biomedical potential won scientists the Nobel Prize in 2006. In plants, RNAi was discovered in petunias. When breeders tried to transform one gene to cause brighter pinks and purples, they wound up with white flowers instead. The gene for flower color had been silenced.

"Before they were domesticated, soybeans were black or brown due to the different anthocyanin pigments in the seed coat," says Sarah Jones, a research specialist working with Vodkin on the study. "Breeders got rid of the dark pigments because they can discolor the oil or soybean meal during extraction processes."

Vodkin clarifies, "The

yellow color was a naturally occurring RNAi mutation that happened spontaneously, probably at the beginning of agriculture, like 10,000 years ago. People saw the yellow beans as different. They picked them up, saved them, and cultivated them. In the germplasm collections of the wild soybean, *Glycine sojae*, you don't find the yellow color, only darkly pigmented seeds."

Previous work from the team showed that yellow soybeans result from a naturally occurring gene silencing process involving two genes. Essentially, one of the genes blocks production of the darker pigment's precursors. But the researchers weren't sure why black pigments sometimes reappear, as in saddle-patterned beans. Now they know.

Vodkin and her team searched for beans with unusual pigmentation in

the USDA soybean germplasm collection, housed at U of I. The collection contains thousands of specimens, representing much of the genetic diversity in domesticated soybean and its wild relatives.

"We requested beans with this black saddle pattern," Jones recalls. "We wanted to know if they all get this pattern from the same gene." Some of the samples had been collected as far back as 1945.

The team used modern genomic sequencing techniques, quickly sifting through some 56,000 protein-coding genes to identify the one responsible for the pattern. The lead author, Young Cho, made the discovery as a graduate student when he noticed a defect in the *Argonaute5* gene. The team looked at additional beans with the saddle and found that the *Argonaute5* gene was defective in a slightly differ-

ent way in each of them.

"That's how you prove you found the right gene," Vodkin says, "because of these independent mutations happening at different spots right in that same gene."

When the *Argonaute5* gene is defective, the silencing process – which normally blocks the dark pigment and results in yellow beans – can no longer be carried out. The gene defect explains why the dark pigments show up in the saddle beans.

Before the team's discovery, there were very few examples of how gene interactions work to achieve silencing in naturally occurring systems. Today, bioengineers use genetic engineering technologies to silence genes to produce a desired outcome, whether it's flower color, disease resistance, improved photosynthesis, or any number of novel applications.

"The yellow color in soybeans could have been engineered, if it hadn't occurred naturally," Vodkin says, "but it would have cost millions of dollars and every yellow soybean would be a genetically modified organism. Nature engineered it first." She says this study also emphasizes the value of the soybean germplasm collection, which preserves diversity for research and breeding purposes.

The article, "Mutations in *Argonaute5* illuminate epistatic interactions of the K1 and I loci leading to saddle seed color patterns in *Glycine max*," is published in *The Plant Cell*. The study's lead author, Young Cho, is now a postdoctoral researcher for the Institute of Genomic Biology at the University of Illinois. The work was funded by the United Soybean Board, the USDA, and the Illinois Soybean Association.

2017 Junior National Hereford Expo expected to be largest to date

The largest Junior National Hereford Expo to-date is set to take

place July 15-21 in Louisville, Ky., at the Kentucky Exposition Center.

More than 920 junior exhibitors and their families will bring 1,835 head of Hereford cattle from 35 states to compete at the 2017 JNHE, totaling 2,200 entries.

"We are super-excited to head to Louisville for what is shaping up to be the largest and best junior

national to date," said Amy Cowan, American Hereford Association director of youth activities and foundation. "We've got a lot of fun things planned for the week including Churchill Downs tours, a Kentucky Derby-style tailgate and the first Win, Place, Show 5K

race benefitting the Hereford Youth Foundation of America."

The JNHE summer showcase provides an opportunity for competition of National Junior Hereford Association members and their cattle projects, as well as educational con-

tests including extemporaneous and prepared public speaking competitions, individual sales competitions, photo contests and a livestock-judging contest.

For more information regarding the 2017 JNHE, contact Amy Cowan at acowan@hereford.org.



Cody Brown, Dwight stands at the halter of his cow, Sull Diana 5139C ET after being selected as the Champion Cow/Calf pair at the Nebraska Junior Hereford Show in Broken Bow. Beside 5139C is her February 2017 heifer calf shown by Katie Nolles. Shown also is the Nebraska Hereford Queen, Kendi Miilgerl. Brown and this pair had been the champion cow/calf pair at the Kansas Junior Hereford Show two weeks earlier.

Foresters continue tree planting tradition with Habitat for Humanity

The newest Habitat for Humanity home in Manhattan received a special gift from the Great Plains Society of American Foresters – a new tree.

The Great Plains Society of American Foresters has a tradition to buy and plant new trees at Habitat for Humanity homes in Kansas and Nebraska. On Saturday June 3, Kayla and Ernest Wilhoite and their children were the recipients of a butterfly magnolia, which will produce beautiful yellow flowers each spring.

"As a professional society, we promote the best science

and education to sustain our valuable rural and community forests, woodlands, and shelterbelts in the Great Plains," said Bob Atchison, Kansas Forest Service rural forestry coordinator. "We also embrace the mission of Habitat for Humanity, and are grateful to join with them in the celebration of a new home for the Wilhoite family."

More information about the Great Plains Society of American Foresters is available on its website at www.gpsaf.org.

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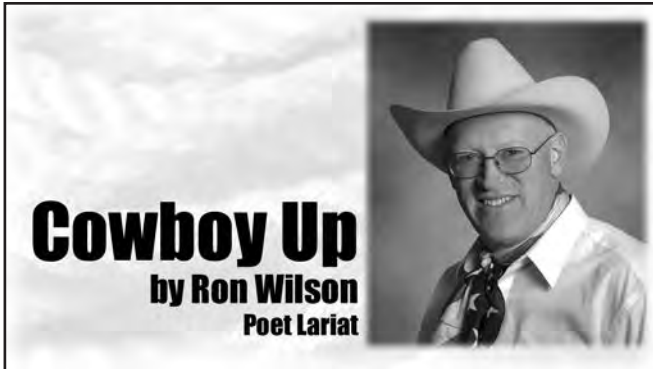
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Cowboy Up
by Ron Wilson
Poet Lariat

Bowled Over

It's great to win a rodeo – but can winning a rodeo propel you to winning a football game?

In fall 2016, the K-State football team went 6 and 1 in its last seven games and earned a bowl bid to the Texas Bowl in Houston. There they had to face an SEC foe and former Big 12 rival, the Texas A&M Aggies.

The game was played on December 28 in NRG Stadium (which would host the Super Bowl 41 days later).

But before the football game, these two teams were engaged in another Texas-style type of competition: the Rodeo Bowl.

The Rodeo Bowl is a joint project of the football game and the city's other main attraction, the Houston Livestock Show and Rodeo. This livestock show and rodeo has been described as "the world's largest livestock show and richest regular-season rodeo dedicated to benefiting youth." Much like Kansas City's American

Royal, it has expanded into barbecue competitions and many other activities.

Each year the Houston Livestock Show and Rodeo hosts a fun night called the Rodeo Bowl for the two college football teams which compete in the Texas Bowl. It's a set of mock rodeo events in which the teams compete a few days before the game. *Sports Illustrated* called the event "unassailably the best bowl week diversion."

Jason Lierz, a senior K-State offensive lineman from Manhattan, learned about the Rodeo Bowl during bowl game practices. He volunteered to participate. The football team's starters are banned from competing, due to risk of injury, I assume.

The teams arrived in Texas in late December. A few days before the bowl game, the teams traveled to a historical western park southwest of Houston. According to the bowl website, the teams are greeted by

real-life rodeo clowns and Livestock Show members on horseback. Teams participated in seven events such as calf penning, goat milking, rocking horse roping, barrel racing (including rolling a teammate inside a barrel), chalk branding, and a hay bale toss. These are all mock competitions – no actual horseback riding is involved, for example. But they did involve speed and running, which are supposedly strengths of the SEC.

Jason Lierz was in the calf penning event which involved moving five calves from the pen at one end of the arena to a pen at the other end. Teams from each school competed. The fastest time wins. The team which wins the most events wins the Rodeo Bowl, including bragging rights and a shiny new trophy.

"It was really fun," Jason said. "We all got nice cowboy hats and then they fed us barbecue afterward."

There is one other element to this story. In nine

of the ten years when the Texas Bowl has hosted this event, the winner of the Rodeo Bowl has gone on to win the football game. I'm not sure what the scientific correlation is there, but it proved to be true in 2016 as well. K-State beat Texas A&M in five of seven events at the Rodeo Bowl and went

on to win the football game 33 to 28. And to think, they call themselves the Aggies...

I suppose having Bill Snyder and several All Big 12 players might have had something to do with the outcome as well, but for today, I'll give credit to the rodeo.

Rodeo Bowl

By Ron Wilson, Poet Lariat

The two teams were competing, fighting for the championship, To see which one could claim the prize from this year's Texas trip. But it wasn't just a rodeo, nor just a football game: It's a fun competition with Rodeo Bowl as the name. The two teams which are playing in the Texas Bowl each year Will compete before the game in the Rodeo Bowl down here. It's done in partnership with the Houston Livestock Show, To give all these players a taste of rodeo. It's a chance for team members to have a rodeo experience, By competing in seven mock rodeo events. It's a whole lot different from playing football in two halves, Cause these guys are milking goats, tossing bales, and penning calves. And when the dust settled, it was Kansas State on top, Winning five of seven events – and the momentum didn't stop. K-State would go on to achieve football fame, By beating A&M in the Texas Bowl football game. So give credit to Bill Snyder and his players for their role, But maybe they got a boost by winning the Rodeo Bowl. Happy Trails!
www.ronscowboypoetry.com
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S.T. 9:00 a.m. weigh-ups; 1:30 p.m. pairs, bred females to follow

Fall Bred Females:
63 ... rd (55 hd) & blk (8 hd) (3 yrs) bred rd angus (Calvo); cf 8-20 for 40 days.....HR John & Lynn Mundorf (402-322-3241)
50 ... rd angus (young-solid mouth) bred rd angus; cf 8-20 for 35 days. Beckton genes, right kindPaxton Ranch (John Warren 308-650-9000)
44 ... rd angus (coming w/3rd cf) bred rd angus; cf 8-1 for 60 daysFlying D (M DeNaeyer 402-322-1968)
63 ... blk & angus (30 @ 3-4 yrs; 19 @ 5-7 yrs; 24 @ 8 yrs+) bred blk simm/ang. 50% A.I. derived, moderate frame. Calves in 2015 weighed 630# in Feb. Freeze branded. Complete dispersionWade & Cleo Barry (Wade 605-842-5879)
65 ... angus (40 hrs- 25 young & solid mouth) (Game Day genetics) bred angus (Van Dyke); cf 8-17 for 45 days. FancyChris Iverson (605-280-5668)
45 ... angus (3-6 yrs) bred angus (Ostrand) cf 8-15 for 45 days. Years of gene powerMart McNutt (308-587-2252)
100 ... blk (35 hd 3-4 yrs) bred angus; cf 8-22 Rex Adamson Family (402-823-4334)
50 ... blk, bwf (3-5 yrs: 1100#) bred angus; cf 8-10 for 45 days Mike Finney (308-639-3360)
50 ... angus (young) bred angus; cf 8-15 for 60 days..... Steve Moreland (402-322-0360)
70 ... blk & angus (50 young & solid mouth) bred angus; cf 8-12 for 50 days...Pass Ranch
46 ... bwf (F-1) (30 @ 3 yrs; balance 4-7 yrs) bred angus (Mike Sitz); cf 8-10 for 30 daysDusty Paxton
43 ... blk-x (2 rd) (3-10 yrs) bred blk; cf 8-15 for 45 days.....Camell & Shadbolt
40 ... rd & blk (running age) bred rd angus; cf 8-1 for 45 days Cooksley Ranch
35 ... rd & blk (3-8 yrs) bred rd angus; cf 8-5 for 45 days Lemoyne Dailey
32 ... blk (2 yrs- solid mouth) bred blk; cf 8-14 for 60 days.....Bar 11 Ranch Co
31 ... blk (27 @ 3 yrs; balance older) bred angus (Game Day & Final Answer sons); cf 8-20 for 60 days Jim Hanna
30 ... blk (3-4 yrs) bred angus (Marcy's Final Answer); cf 8-20 for 60 days. Got a good lookMike Peterson

Pairs:
65 ... blk, few bwf (short term). March & April calves..... Dean Marshall

Plus more from Chauncey, Cox, A Thousand Hills, Warren, Miller, Rothleutner F.P., Kemp, Hines, Horn, Morrison, and Fox.

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| BULLCALVES | 1 spot | 1215@1050.00 | |
| 2 blk | 435@156.00 | 1 blk 1250@1000.00 | |
| HEIFERS | | STEERS | |
| 1 wf | 305@161.00 | 1 red | 380@162.00 |
| 1 blk | 330@153.00 | 2 blk | 413@173.00 |
| 2 bkwf | 423@153.00 | 1 blk | 445@160.50 |
| 1 red | 480@136.50 | 2 mix | 485@160.00 |
| 2 blk | 575@137.00 | 1 blk | 630@132.50 |
| 3 blk | 585@134.75 | 10 red | 701@144.00 |
| 1 red | 595@133.50 | 1 blk | 740@141.00 |
| 5 mix | 570@128.50 | 2 bkbwf | 798@139.00 |
| 3 bkbwf | 690@123.75 | 1 red | 785@138.50 |
| 10 blk | 931@127.75 | 2 mix | 790@129.00 |
| 1 bkbred | 1135@1100.00 | 3 blk | 812@136.00 |
| PAIRS | | 1 brf | 975@123.00 |
| 1 bkbwf | 1245@1300.00 | | |

REG. SALE JUNE 28
NO SALE JULY 5

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*** UPCOMING SALE SCHEDULE ***
NEXT SALE: June 28

- July 5: NO SALE this week due to Holiday
- July 12: Back to Regular Sale Schedule

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|---|--|---|

Radio Market Reports KFRM 550 Tues. & Wed. 8:00 am

Radio Market Reports KCLY-Fm 100.9 Tues. 6:45 a.m.



Junction City Commissioner and Prairie Heritage President Jim Sands (right) presents the authors of Kansas Wildflowers and Weeds with the 2017 Jan Garton Prairie Heritage Book Award at the Junction City Commission meeting June 20, 2017. The award, which comes with a prize of \$1000, was made possible by a bequest from the estate of Kansas conservationist Jan Garton. The authors are, left to right, Craig C. Freeman, Jane't E. Bare, and Michael John Haddock. Prairie Heritage, Inc., is a 501(c)(3) non-profit corporation dedicated to the preservation of the prairie and its stories.

Kansas milk production up four percent in May

Milk production in Kansas during May 2017 totaled 297 million pounds, up 4 percent from May 2016, according to the USDA's National Agricultural Statistics Service. The average number of milk cows was 152,000 head, 7,000 head more than May 2016. Milk production per cow averaged 1,955 pounds.

KPA promotes virtual field trips at teacher conference

Recently the Kansas Pork Association hosted a breakout session at the Kansas Foundation Agriculture in the Classroom one-day conference for educators. During the session, attendees were able to watch a virtual field trip to a pig farm and learn about the program. Teachers were also given the chance to sign up for future virtual field trips.

The conference theme was "Education: Rooted in Agriculture" and was attended by teachers, county farm bureau coordinators and conservation district managers from all over the state.

In addition to the breakout session, KPA was also a lunch sponsor, along with Kansas Cattlewomen and Central National Bank of Salina and Manhattan.

Maryland becomes second state to ban antibiotic use

The Maryland State Legislature recently passed a law banning the routine use of antibiotics on farms and ranches. Maryland is the second state behind California to issue a ban. The law, which goes into effect Jan. 1, 2018, prohibits specified antimicrobial drugs from being administered to cattle, swine and poultry that are not sick.

It also requires the Maryland Department of Agriculture to publicly collect data

on the use of specific antimicrobial drugs in the state each year.

Current U.S. Food and Drug Administration guidelines prohibit the use of antibiotics for growth promotion in animals. The new laws in both Maryland and California go beyond that.

Biosecurity: essential piece of today's herd-health puzzle

Keeping pigs healthy and growing is priority No. 1 on hog farms, with biosecurity arguably playing the most critical part in good swine health management. Pig farmers have made tremendous progress in identifying effective biosecurity practices and in better understanding disease pathogens, but biosecurity remains an area of continuous learning.

"Swine diseases that we know about challenge biosecurity protocols every day," said Lisa Becton, DVM, director of swine health information and research for the Pork Checkoff. "But it's the diseases that we don't yet know about or face that raise the stakes."

Emerging diseases, such as porcine epidemic diarrhea virus (PEDV) and Seneca Valley virus, have provided valuable lessons. Not only have they tested the limits of tried-and-true biosecurity protocols, but they also have challenged the need to find new or additional ones.

"With recent federal rule changes for on-farm antibiotic use, biosecurity and other animal-health protocols are growing in importance," Becton said. "Today, the biosecurity discussion needs to expand to include biocontainment and bioexclusion."

She added, "Biocontainment would be especially important in relation to a market-limiting disease, such as foot-and-mouth disease. Put another way, biocontainment is about protecting the health of the broader industry."

Effective biocontainment requires a few specific steps, such as contacting your veterinarian immediately if you see something new or different within your herd.

"An early diagnosis offers the best chance to minimize disease spread," Becton noted. "It's also important to determine the epidemiology of the disease and how it got to your farm."

Draw a Strict Line of Separation

"If you don't have a 'line of separation' on your farm and maintain it, you don't have biosecurity," Becton said. "In fact, you may need to set up several lines within a site, because biosecurity is not just about exposure from the outside, but

also the lateral spread of disease."

At its most basic, a line of separation designates the outside (contaminated) area and the inside (clean) area. Think in terms of drawing a line in the sand – a point at which certain parties must not cross.

For example, identify a line where the animal transporter is not to cross and where farm or market personnel are to remain. If a barn worker does cross it, they cannot return to the clean side. The separation line must be clearly marked, with individuals made aware of where it exists in every situation.

Lines of separation for transporters might be at the cab of a truck, the back of a trailer or a loading chute. Within a production site, the shower or bench entry would be the 'dirty' side, while the shower exit would represent the clean line. Another line could be a designated driveway that feed trucks must use to control traffic flow and potential exposure.

The take-home message? Approach every contact with a site or market as if it could contaminate a truck, trailer or herd. The one time you don't follow biosecurity rules could be the time when your herd will get sick.

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Grass & Grain New Product Spotlight

Cow Care Mineral Feeder includes oiler

Made from heavy gauge materials, Cow Care Mineral Feeders are built to work and built to last. They are weather-resistant, and with a 5'x5' base they will not tip. The feeder provides reliable protection for your salts and minerals, with a 2'x2' saltbox, while the oiler attachment helps keep flies and ticks away. With the oiler attached at the opening there is no need to add stress on your cattle by running them through the chute to get sprayed. This set-up also allows for multiple applications so they are continuously protected.

Three variations of the Cow Care Mineral Feeder

are available. There is the original unit, which is open on one end, and has an 18" oiler attached; the single 42" oiler; and for those ornery cows that don't like to share, there is the open-ended with an 18" oiler on both ends.

Clyde area farmer Dean Michaud saw a need on his farm for a better mineral feeder. He took matters into his own hands and the created the Cow Care Mineral Feeder. Dean sold his first 25 units at his farm sale 14 years ago and they are still in use and going strong today, a testament to the durability of these high-quality mineral feeders.

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Horse/Tack Auction- Every 1st Saturday

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Tues., July 4th- NO SALES
Tues., July 11th- Calf/Yearling Special
Sat., July 15th- Hog/Sheep/Goat Sale

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On Thursday, June 22 we had 926 head of cattle on a lower but active marked. Weaned calves \$5 higher than unweaned calves.

| | | |
|----------------------|----------------------|----------------------|
| STEERS | 12 Brang 885@137.00 | 10 blk 628@135.00 |
| 9 bkChar 426@188.00 | 48 blk 951@137.00 | 13 mix 590@135.00 |
| 10 bkChar 517@171.50 | 9 bwfwr 999@134.75 | 6 blk 776@128.50 |
| 9 bkred 582@160.00 | 12 rdChar 938@130.50 | 16 mix 942@118.50 |
| 6 bkred 633@153.00 | STEER CALVES | 4 bkChar 1039@115.50 |
| 4 blk 638@153.00 | 8 bkChar 596@144.00 | 4 blk 1180@114.50 |
| 14 bkChar 618@150.00 | 16 bwfwr 711@140.00 | 11 bkbfw 1261@111.00 |
| 70 mostbk 816@146.80 | 12 bkChar 673@138.00 | HEIFER CALVES |
| 7 bk 763@146.00 | 10 bwfwr 804@132.50 | 13 blk 615@134.25 |
| 66 bkChar 879@144.90 | HEIFERS | 9 bkChar 617@133.00 |
| 15 bwfwr 803@143.00 | 13 mix 474@164.00 | 5 bkChar 668@130.00 |
| 14 bwfwr 921@141.75 | 4 bkChar 553@139.00 | |

Butcher Cows: \$50-\$80, Mostly \$65-\$75, \$2-3 lower but very active.
Butcher Bulls: \$85-\$100.50, Mostly \$88-\$96, \$2-3 lower but very active.

| | |
|----------------------|----------------------|
| BUTCHER COWS | 5 blk 1089@73.75 |
| 1 blk 1135@80.00 | 3 red 1112@73.25 |
| 4 blk 1040@80.00 | BUTCHER BULLS |
| 1 blk 1250@79.00 | 1 Char 1815@100.50 |
| 1 blk 1425@76.00 | 1 blk 2245@100.00 |
| 5 blk 1094@75.50 | 1 blk 2065@98.00 |
| 2 blk 1088@75.00 | 1 blk 1790@97.00 |
| 1 blk 1500@74.75 | 1 blk 1995@96.00 |
| 1 Brangus 1785@74.50 | 1 blk 2005@95.00 |

EARLY CONSIGNMENTS FOR JUNE 29

- 25 blk red cows, 4-8 yr old Springers
- 50 blk red packer cows from 1 ranch
- 35 blk red str & hfrs, 450-600 lbs

**NO SALE JULY 6
WILL START BACK ON JULY 13**

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Market Report - Sale Date 6-15-17. Light Run.
800-900 lb. steers, \$138-\$145. 900-1000 lb. steers, \$136-143.50.
Trend on Calves: No test. Trend on Feeder Cattle: Demand good on good market on choice cattle. Butcher Cows: High dressing cows: \$70-\$76; Avg. dressing cows: \$60-\$70; Low dressing cows: \$45-\$60. Butcher Bulls: Avg. to high dressing bulls, \$88-\$93; Trend on Cows & Bulls: Steady on limited cows.

NO SALES: JUNE 29 & JULY 6!
1st Sale Back will be THURSDAY, JULY 13, 11 AM SHARP!

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

Check our website for updated consignments:
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| | |
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| Larry Womacks, Fieldman (620) 394-3273 (H) (620) 229-0076 (M) | Van Schmidt, Fieldman (620) 367-2331 (H) (620) 345-6879 (M) |

Cattle Sale Every Thursday 11:00 AM

Dealing with Disaster: Jan & Kim Wilkinson

Jan and Kim Wilkinson's story is the second in KFB's "Dealing with Disaster" series created by veteran farm journalist John Schlageck. The series features Kansas farmers and ranchers and their ability to rise above devastating disasters including the state's largest wildfire, an April blizzard and its impact on this year's wheat crop.

No cattleman ever wants to lose a single calf, yearling or momma cow. When a handful perish, the pain and anguish multiply. And when hundreds of cattle die in a late spring blizzard, it's catastrophic.

Such a weather event occurred during the last weekend of April in southwestern Kansas. With snow moving into their ranch northwest of Scott City at daybreak, Jan and Kim Wilkinson rose from their beds with apprehension in the air.

They just turned out nearly 1,000 head of momma cows, calves and yearlings on summer grass in five different pastures. The nearly 4,000 acres of contiguous grass was located 40 miles south of their homestead on a place the Wilkinsons call the "ranch."

Shortly after noon on Sat., April 29, Jan arrived at the ranch and found the cattle all present and accounted for. Although the wind and snow still swirled and pummeled the cattle, approximately ten inches had fallen by the time he headed home that afternoon.

By sunset the next day, the flat western Kansas landscape looked quite different. The wind finally stopped, but now nearly two feet of heavy, white snow blanketed the ground.

Monday morning this unstable situation moved into utter chaos. Jan headed back to the cattle in his four-wheel-drive pickup. His



father-in-law was already on his way by tractor loaded with hay. Moving at a snail's pace, the trip seemed to take forever.

When they arrived, snowdrifts covered the four-wire fences and the cattle walked across, pushed in a southerly direction by the wind. The cattle were scattered for miles.

During the next few days, the only way they could maneuver in the deep snow was by tractor or horseback. The pickup kept getting stuck.

"Those were long, frustrating days," Jan recalls. "Every move we made seemed to take forever."

Warm weather followed the blizzard. Most of the snow melted in less than a week. During this period, Jan counted 14 yearlings and three calves dead.

The cattle piled together during the teeth of the storm suffocating and trampling the younger stock. Another 300

head were unaccounted for.

"A few days later we learned the cattle had wandered more than 20 miles south and ended up north of Garden City," Jan says. "A nearby farmer rounded them up and put them in a pen with water."

They hauled feed to these



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cattle for a couple of days until they found time to haul them back to the ranch. With the livestock safely back at home, the Wilkinsons doctored some of them with antibiotics for pneumonia and snow blindness.

Six weeks after the blizzard the cattle continue to improve. Once the cattle were turned out on the grass they immediately turned from being dirty, rough and half sick to healthy stock again.

"I've heard it said that good green grass is the best medicine for livestock," Jan says. "Cattle are resilient. With all the moisture from the snow, our grass is as lush and green as I can ever remember."

Some of the aftermath of the blizzard still weigh on the Wilkinsons. Picking up the remains of the cattle that perished is never an easy task.

Still, they count themselves lucky compared to some of their stockmen friends.

"We were blessed," Kim says. "When we look back at what happened, it could have been much worse. Some lost so many cattle."

After working 12- and 14-hour days for ten days straight after the blizzard, some cattlemen ask themselves, "Why am I in this business?" Jan says.

"You run cattle because you love the animals," he continues. "You can't do this because it's an easy job."

One of the greatest rewards remains the help and support of others who helped them through the crisis without being asked.

"It's just what they do," Kim says. "Friends and neighbors helping each other when they're in a bind. This spirit picks you up and puts you on your feet again. We

couldn't have made it without them."

During the first weekend of June a "We survived the blizzard" party was held in Scott City. This event included livestock events like team roping and a dinner for all those who pitched in to help livestock producers after the blizzard.

"It's our family's small way of saying thank you," Kim says. "No one will take money for helping us out. We appreciate all they did."

The Wilkinsons and other stockmen hope they won't have to experience such a weather event any time soon. Jan's hoping the next will occur in about 30 years - if it must happen.

"I'll be old enough then to let my sons and others handle it," he chuckles.

Fat chance of that happening either. If there's a blizzard and he's alive, he'll help.

Grass & Grain Weather Report June 27, 2017

| Seven Day Forecast | In-Depth Local Forecast | Today's Local Outlook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|--------------|-------------|---------|-------------|---------|-----------|-----------|------------|------------|--------|-----------|-----------|-----------|------------|----------|--------|----------|-----------|-----------|------------|------------|--------|--------|-----------|-----------|-----------|-----------|--------|----------|-----------|-----------|--|-----------|----------|------------|-----------|-------------|-----------|-----------|--------|-------------|-----------|-----------|-----------|-----------|--------|--|------------|---------------|------------|--------------|------------|---------------|------------|--------------|------------|--------------|------------|--------------|
| TUESDAY Partly Cloudy High: 80 Low: 68 WEDNESDAY Showers Likely High: 84 Low: 71 THURSDAY Isolated T-storms High: 87 Low: 73 FRIDAY Mostly Cloudy High: 80 Low: 68 SATURDAY Sunny High: 78 Low: 65 SUNDAY Mostly Cloudy High: 74 Low: 60 MONDAY Mostly Cloudy High: 71 Low: 65 | Today we will see partly cloudy skies with a slight chance of showers, high temperature of 80°, humidity of 50%. South southeast wind 5 to 11 mph. The record high temperature for today is 109° set in 1980. Last Week's Almanac <table border="1"> <thead> <tr> <th>Date</th> <th>Hi/Lo</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr><td>6/16</td><td>95/66</td><td>88/64</td><td>0.00"</td></tr> <tr><td>6/17</td><td>98/73</td><td>89/64</td><td>0.00"</td></tr> <tr><td>6/18</td><td>85/67</td><td>89/65</td><td>0.05"</td></tr> <tr><td>6/19</td><td>90/61</td><td>89/65</td><td>0.00"</td></tr> <tr><td>6/20</td><td>98/63</td><td>89/65</td><td>0.02"</td></tr> <tr><td>6/21</td><td>97/74</td><td>90/66</td><td>0.00"</td></tr> <tr><td>6/22</td><td>94/73</td><td>90/65</td><td>0.00"</td></tr> </tbody> </table> Rainfall 0.07" Normal rainfall 1.25" Departure -1.18" Average temp 81.0° Average normal 77.0° Departure +4.0° | Date | Hi/Lo | Normals | Precip | 6/16 | 95/66 | 88/64 | 0.00" | 6/17 | 98/73 | 89/64 | 0.00" | 6/18 | 85/67 | 89/65 | 0.05" | 6/19 | 90/61 | 89/65 | 0.00" | 6/20 | 98/63 | 89/65 | 0.02" | 6/21 | 97/74 | 90/66 | 0.00" | 6/22 | 94/73 | 90/65 | 0.00" | <table border="1"> <thead> <tr> <th>Location</th> <th>High/Low</th> </tr> </thead> <tbody> <tr><td>Washington</td><td>80/67</td></tr> <tr><td>Blue Rapids</td><td>81/67</td></tr> <tr><td>Seneca</td><td>79/66</td></tr> <tr><td>Clay Center</td><td>82/68</td></tr> <tr><td>Mahattan</td><td>80/68</td></tr> <tr><td>Wamego</td><td>81/67</td></tr> <tr><td>Ogden</td><td>83/68</td></tr> <tr><td>Junction City</td><td>81/69</td></tr> <tr><td>Abilene</td><td>83/69</td></tr> <tr><td>Council Grove</td><td>80/68</td></tr> </tbody> </table> | Location | High/Low | Washington | 80/67 | Blue Rapids | 81/67 | Seneca | 79/66 | Clay Center | 82/68 | Mahattan | 80/68 | Wamego | 81/67 | Ogden | 83/68 | Junction City | 81/69 | Abilene | 83/69 | Council Grove | 80/68 | | | | | |
| Date | Hi/Lo | Normals | Precip | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16 | 95/66 | 88/64 | 0.00" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/17 | 98/73 | 89/64 | 0.00" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18 | 85/67 | 89/65 | 0.05" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/19 | 90/61 | 89/65 | 0.00" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/20 | 98/63 | 89/65 | 0.02" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/21 | 97/74 | 90/66 | 0.00" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/22 | 94/73 | 90/65 | 0.00" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Location | High/Low | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Washington | 80/67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blue Rapids | 81/67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Seneca | 79/66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clay Center | 82/68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mahattan | 80/68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wamego | 81/67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ogden | 83/68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Junction City | 81/69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Abilene | 83/69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Council Grove | 80/68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Local UV Index 0-2: Low, 3-5: Moderate, 6-7: High, 8-10: Very High, 11+: Extreme Exposure | Weather History June 27, 1957 - Hurricane Audrey smashed ashore at Cameron, La., drowning 390 people and causing 150 million dollars in damage to Texas, Louisiana and Mississippi. Audrey left only a brick courthouse and a cement-block icehouse standing at Cameron. | Growing Degree Days <table border="1"> <thead> <tr> <th>Date</th> <th>Degree Days</th> <th>Date</th> <th>Degree Days</th> </tr> </thead> <tbody> <tr><td>6/16</td><td>30</td><td>6/20</td><td>30</td></tr> <tr><td>6/17</td><td>35</td><td>6/21</td><td>35</td></tr> <tr><td>6/18</td><td>26</td><td>6/22</td><td>33</td></tr> <tr><td>6/19</td><td>25</td><td></td><td></td></tr> </tbody> </table> | Date | Degree Days | Date | Degree Days | 6/16 | 30 | 6/20 | 30 | 6/17 | 35 | 6/21 | 35 | 6/18 | 26 | 6/22 | 33 | 6/19 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Date | Degree Days | Date | Degree Days | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/16 | 30 | 6/20 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/17 | 35 | 6/21 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/18 | 26 | 6/22 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/19 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| This Week's Sun & Moon Chart <table border="1"> <thead> <tr> <th>Day</th> <th>Sunrise</th> <th>Sunset</th> <th>Moonrise</th> <th>Moonset</th> <th>Phase</th> </tr> </thead> <tbody> <tr><td>Tuesday</td><td>6:02 a.m.</td><td>8:56 p.m.</td><td>10:06 a.m.</td><td>11:55 p.m.</td><td>Waxing</td></tr> <tr><td>Wednesday</td><td>6:03 a.m.</td><td>8:56 p.m.</td><td>11:12 a.m.</td><td>Next Day</td><td>Waxing</td></tr> <tr><td>Thursday</td><td>6:03 a.m.</td><td>8:56 p.m.</td><td>12:15 a.m.</td><td>12:31 a.m.</td><td>Waxing</td></tr> <tr><td>Friday</td><td>6:04 a.m.</td><td>8:56 p.m.</td><td>1:16 p.m.</td><td>1:04 a.m.</td><td>Waxing</td></tr> <tr><td>Saturday</td><td>6:04 a.m.</td><td>8:56 p.m.</td><td>2:14 p.m.</td><td>1:34 a.m.</td><td>Waxing</td></tr> <tr><td>Sunday</td><td>6:05 a.m.</td><td>8:56 p.m.</td><td>3:12 p.m.</td><td>2:05 a.m.</td><td>Waxing</td></tr> <tr><td>Monday</td><td>6:05 a.m.</td><td>8:56 p.m.</td><td>4:08 p.m.</td><td>2:35 a.m.</td><td>Waxing</td></tr> </tbody> </table> | Day | Sunrise | Sunset | Moonrise | Moonset | Phase | Tuesday | 6:02 a.m. | 8:56 p.m. | 10:06 a.m. | 11:55 p.m. | Waxing | Wednesday | 6:03 a.m. | 8:56 p.m. | 11:12 a.m. | Next Day | Waxing | Thursday | 6:03 a.m. | 8:56 p.m. | 12:15 a.m. | 12:31 a.m. | Waxing | Friday | 6:04 a.m. | 8:56 p.m. | 1:16 p.m. | 1:04 a.m. | Waxing | Saturday | 6:04 a.m. | 8:56 p.m. | 2:14 p.m. | 1:34 a.m. | Waxing | Sunday | 6:05 a.m. | 8:56 p.m. | 3:12 p.m. | 2:05 a.m. | Waxing | Monday | 6:05 a.m. | 8:56 p.m. | 4:08 p.m. | 2:35 a.m. | Waxing | BULLS <table border="1"> <tbody> <tr><td>1 blk bull</td><td>2065 @ 94.50</td><td>1 blk bull</td><td>1400 @ 87.00</td></tr> <tr><td>1 blk bull</td><td>1905 @ 93.00</td><td>1 blk bull</td><td>1380 @ 85.00</td></tr> <tr><td>1 blk bull</td><td>2010 @ 92.00</td><td>1 blk bull</td><td>1865 @ 83.50</td></tr> </tbody> </table> | 1 blk bull | 2065 @ 94.50 | 1 blk bull | 1400 @ 87.00 | 1 blk bull | 1905 @ 93.00 | 1 blk bull | 1380 @ 85.00 | 1 blk bull | 2010 @ 92.00 | 1 blk bull | 1865 @ 83.50 |
| Day | Sunrise | Sunset | Moonrise | Moonset | Phase | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tuesday | 6:02 a.m. | 8:56 p.m. | 10:06 a.m. | 11:55 p.m. | Waxing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wednesday | 6:03 a.m. | 8:56 p.m. | 11:12 a.m. | Next Day | Waxing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thursday | 6:03 a.m. | 8:56 p.m. | 12:15 a.m. | 12:31 a.m. | Waxing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Friday | 6:04 a.m. | 8:56 p.m. | 1:16 p.m. | 1:04 a.m. | Waxing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saturday | 6:04 a.m. | 8:56 p.m. | 2:14 p.m. | 1:34 a.m. | Waxing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 blk bull | 2065 @ 94.50 | 1 blk bull | 1400 @ 87.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 blk bull | 1905 @ 93.00 | 1 blk bull | 1380 @ 85.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 blk bull | 2010 @ 92.00 | 1 blk bull | 1865 @ 83.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sell At St. Marys

Or Buy Cattle By Auction STARTING TIME 10:30 AM Tuesdays

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------------|----------------|----------------|--------------|--------------|--------------|----------------|--------------|----------------|--------------|--|--|---------------|--------------|--|--|-----------|--------------|--|--|---------------|--------------|--|--|-------------|--------------|--|--|---------------|--------------|--|--|--------------|--------------|--|--|---------------|--------------|--|--|-----------|--------------|--|--|----------------|--------------|--|--|-----------------|--------------|--|--|--------------|--------------|--|--|-----------|--------------|--|--|-----------------|--------------|--|--|------------|--------------|--|--|--|----------------|--------------|--|--|-----------|--------------|--|--|-----------|--------------|--|--|----------------|--------------|--|--|----------------|--------------|--|--|-----------|--------------|--|--|-----------|--------------|--|--|-----------|--------------|--|--|-----------|--------------|--|--|-----------|---------------|--|--|-----------|--------------|--|--|--------------|--------------|--|--|-----------|--------------|--|--|---------------|--------------|--|--|---------------|--------------|--|--|--|-----------|--------------|-----------|--------------|------------|--------------|-----------|--------------|-----------|--------------|------------|--------------|-----------|--------------|------------|--------------|--------------|--------------|-----------|--------------|--|--|-----------|--------------|--|--|----------|--------------|--|--|-----------|--------------|--|--|-----------|--------------|--|--|----------|--------------|--|--|-----------|--------------|--|--|-----------|--------------|--|--|-----------|--------------|--|--|----------|-------------|--|--|-----------|--------------|--|--|-----------|--------------|--|--|-----------|--------------|---|
| <p>We sold 627 cattle June 20. Steer and heifer calves were in good demand at steady prices. Feeder steers and heifers sold \$2-\$7.00 lower. Cows and bulls were steady.</p> <p>STEER & BULL CALVES</p> <table border="1"> <tbody> <tr><td>4 blk str</td><td>520 @ 180.00</td><td>60 blk/red str</td><td>949 @ 140.25</td></tr> <tr><td>3 x-bred str</td><td>492 @ 179.00</td><td>60 blk/bwf str</td><td>961 @ 140.00</td></tr> <tr><td>2 x-bred bulls</td><td>465 @ 179.00</td><td></td><td></td></tr> <tr><td>2 blk/bwf str</td><td>483 @ 175.00</td><td></td><td></td></tr> <tr><td>8 blk str</td><td>507 @ 167.00</td><td></td><td></td></tr> <tr><td>3 blk/bwf str</td><td>547 @ 164.50</td><td></td><td></td></tr> <tr><td>2 blk bulls</td><td>458 @ 150.00</td><td></td><td></td></tr> </tbody> </table> <p>STOCKER & FEEDER STEERS</p> <table border="1"> <tbody> <tr><td>9 blk/sim str</td><td>658 @ 155.50</td><td></td><td></td></tr> <tr><td>4 x-bred str</td><td>618 @ 154.75</td><td></td><td></td></tr> <tr><td>2 blk/bwf str</td><td>700 @ 153.00</td><td></td><td></td></tr> <tr><td>3 blk str</td><td>642 @ 148.50</td><td></td><td></td></tr> <tr><td>8 blk/char str</td><td>809 @ 147.50</td><td></td><td></td></tr> <tr><td>57 blk/char str</td><td>866 @ 145.25</td><td></td><td></td></tr> <tr><td>2 x-bred str</td><td>660 @ 145.00</td><td></td><td></td></tr> <tr><td>2 blk str</td><td>708 @ 143.00</td><td></td><td></td></tr> <tr><td>60 blk/char str</td><td>907 @ 142.75</td><td></td><td></td></tr> <tr><td>61 mix str</td><td>940 @ 140.25</td><td></td><td></td></tr> </tbody> </table> | 4 blk str | 520 @ 180.00 | 60 blk/red str | 949 @ 140.25 | 3 x-bred str | 492 @ 179.00 | 60 blk/bwf str | 961 @ 140.00 | 2 x-bred bulls | 465 @ 179.00 | | | 2 blk/bwf str | 483 @ 175.00 | | | 8 blk str | 507 @ 167.00 | | | 3 blk/bwf str | 547 @ 164.50 | | | 2 blk bulls | 458 @ 150.00 | | | 9 blk/sim str | 658 @ 155.50 | | | 4 x-bred str | 618 @ 154.75 | | | 2 blk/bwf str | 700 @ 153.00 | | | 3 blk str | 642 @ 148.50 | | | 8 blk/char str | 809 @ 147.50 | | | 57 blk/char str | 866 @ 145.25 | | | 2 x-bred str | 660 @ 145.00 | | | 2 blk str | 708 @ 143.00 | | | 60 blk/char str | 907 @ 142.75 | | | 61 mix str | 940 @ 140.25 | | | <p>STOCKER & FEEDER HEIFERS</p> <table border="1"> <tbody> <tr><td>63 blk/bwf hfr</td><td>771 @ 144.60</td><td></td><td></td></tr> <tr><td>1 bwf hfr</td><td>615 @ 143.00</td><td></td><td></td></tr> <tr><td>4 blk hfr</td><td>550 @ 142.00</td><td></td><td></td></tr> <tr><td>3 blk/char hfr</td><td>560 @ 141.00</td><td></td><td></td></tr> <tr><td>61 blk/bwf hfr</td><td>806 @ 140.25</td><td></td><td></td></tr> <tr><td>1 blk hfr</td><td>685 @ 139.00</td><td></td><td></td></tr> <tr><td>5 blk hfr</td><td>689 @ 138.00</td><td></td><td></td></tr> <tr><td>3 blk hfr</td><td>730 @ 135.00</td><td></td><td></td></tr> <tr><td>1 blk hfr</td><td>910 @ 120.00</td><td></td><td></td></tr> <tr><td>2 blk hfr</td><td>1118 @ 107.00</td><td></td><td></td></tr> </tbody> </table> <p>HEIFER CALVES</p> <table border="1"> <tbody> <tr><td>1 bwf hfr</td><td>435 @ 154.00</td><td></td><td></td></tr> <tr><td>3 x-bred hfr</td><td>482 @ 150.00</td><td></td><td></td></tr> <tr><td>3 blk hfr</td><td>453 @ 148.00</td><td></td><td></td></tr> <tr><td>4 blk/bwf hfr</td><td>541 @ 147.00</td><td></td><td></td></tr> <tr><td>3 blk/bwf hfr</td><td>410 @ 146.00</td><td></td><td></td></tr> </tbody> </table> | 63 blk/bwf hfr | 771 @ 144.60 | | | 1 bwf hfr | 615 @ 143.00 | | | 4 blk hfr | 550 @ 142.00 | | | 3 blk/char hfr | 560 @ 141.00 | | | 61 blk/bwf hfr | 806 @ 140.25 | | | 1 blk hfr | 685 @ 139.00 | | | 5 blk hfr | 689 @ 138.00 | | | 3 blk hfr | 730 @ 135.00 | | | 1 blk hfr | 910 @ 120.00 | | | 2 blk hfr | 1118 @ 107.00 | | | 1 bwf hfr | 435 @ 154.00 | | | 3 x-bred hfr | 482 @ 150.00 | | | 3 blk hfr | 453 @ 148.00 | | | 4 blk/bwf hfr | 541 @ 147.00 | | | 3 blk/bwf hfr | 410 @ 146.00 | | | <table border="1"> <tbody> <tr><td>1 blk hfr</td><td>440 @ 146.00</td><td>1 blk cow</td><td>1735 @ 72.00</td></tr> <tr><td>3 char hfr</td><td>450 @ 143.00</td><td>1 blk cow</td><td>1250 @ 71.00</td></tr> <tr><td>1 blk hfr</td><td>450 @ 139.00</td><td>3 blk cows</td><td>1167 @ 70.50</td></tr> <tr><td>2 blk hfr</td><td>408 @ 131.00</td><td>1 char cow</td><td>1430 @ 70.00</td></tr> <tr><td>1 x-bred hfr</td><td>410 @ 131.00</td><td>1 blk cow</td><td>1125 @ 69.50</td></tr> <tr><td></td><td></td><td>1 blk cow</td><td>1190 @ 69.00</td></tr> <tr><td></td><td></td><td>1 wf cow</td><td>1115 @ 68.00</td></tr> <tr><td></td><td></td><td>1 blk cow</td><td>1250 @ 67.50</td></tr> <tr><td></td><td></td><td>1 bwf cow</td><td>1285 @ 67.00</td></tr> <tr><td></td><td></td><td>1 wf cow</td><td>1035 @ 66.50</td></tr> <tr><td></td><td></td><td>1 sim cow</td><td>1375 @ 66.00</td></tr> <tr><td></td><td></td><td>1 bwf cow</td><td>1260 @ 65.50</td></tr> <tr><td></td><td></td><td>1 blk cow</td><td>1235 @ 65.00</td></tr> <tr><td></td><td></td><td>1 wf cow</td><td>905 @ 64.00</td></tr> <tr><td></td><td></td><td>1 blk cow</td><td>1445 @ 62.50</td></tr> <tr><td></td><td></td><td>1 blk cow</td><td>1465 @ 61.00</td></tr> <tr><td></td><td></td><td>1 blk cow</td><td>1355 @ 60.50</td></tr> </tbody> </table> | 1 blk hfr | 440 @ 146.00 | 1 blk cow | 1735 @ 72.00 | 3 char hfr | 450 @ 143.00 | 1 blk cow | 1250 @ 71.00 | 1 blk hfr | 450 @ 139.00 | 3 blk cows | 1167 @ 70.50 | 2 blk hfr | 408 @ 131.00 | 1 char cow | 1430 @ 70.00 | 1 x-bred hfr | 410 @ 131.00 | 1 blk cow | 1125 @ 69.50 | | | 1 blk cow | 1190 @ 69.00 | | | 1 wf cow | 1115 @ 68.00 | | | 1 blk cow | 1250 @ 67.50 | | | 1 bwf cow | 1285 @ 67.00 | | | 1 wf cow | 1035 @ 66.50 | | | 1 sim cow | 1375 @ 66.00 | | | 1 bwf cow | 1260 @ 65.50 | | | 1 blk cow | 1235 @ 65.00 | | | 1 wf cow | 905 @ 64.00 | | | 1 blk cow | 1445 @ 62.50 | | | 1 blk cow | 1465 @ 61.00 | | | 1 blk cow | 1355 @ 60.50 | <p>NO SALE JULY 4th!</p> <p>WATCH OUR AUCTIONS LIVE ON DVAuctions.com</p> |
| 4 blk str | 520 @ 180.00 | 60 blk/red str | 949 @ 140.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 x-bred str | 492 @ 179.00 | 60 blk/bwf str | 961 @ 140.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 x-bred bulls | 465 @ 179.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 57 blk/char str | 866 @ 145.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 60 blk/char str | 907 @ 142.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 63 blk/bwf hfr | 771 @ 144.60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 3 char hfr | 450 @ 143.00 | 1 blk cow | 1250 @ 71.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 x-bred hfr | 410 @ 131.00 | 1 blk cow | 1125 @ 69.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 blk cow | 1190 @ 69.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 wf cow | 1115 @ 68.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 blk cow | 1250 @ 67.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 bwf cow | 1285 @ 67.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 wf cow | 1035 @ 66.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 sim cow | 1375 @ 66.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 bwf cow | 1260 @ 65.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 blk cow | 1235 @ 65.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 wf cow | 905 @ 64.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 blk cow | 1445 @ 62.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | 1 blk cow | 1355 @ 60.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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