

Jones awarded Outstanding Young Teacher Award at Midwest ASAS/ADSA meeting

Cassie Jones, K-State ASI associate professor, and other K-State students and alumni were recognized in Omaha.

The annual American Society of Animal Science and American Dairy Science Association Midwest Meeting was hosted in Omaha, Nebraska, March 11-13. Thirteen undergraduates attended with eight presenting research. Several current and former Kansas State University (K-State) Animal Sciences and Industry (ASI) faculty, undergraduate students and graduate students received awards.

Dr. Cassie Jones, K-State ASI associate professor, was awarded the Outstanding Young Teacher Award. This award recognizes young educators who have demonstrated an ability to motivate and stimulate students while showing a genuine interest in the improvement of teaching. Those awarded the Outstanding Young Teacher Award are reviewed based on their diversity of involvement within the university, their extracurricular activities beyond normal teaching activities and their service to agriculture and related industries.

Jones earned her bachelor's and master's degrees from K-State and her doctorate in swine nutrition from Iowa State University. She coordinates the undergraduate research program, and since acquiring that leadership responsibility the program has grown from about 20 students annually conducting research



to more than 130 today. In addition, she is an engaging instructor teaching the sophomore-level Fundamentals of Nutrition and graduate-level Monogastric Nutrition courses. She also advises more than 60 undergraduate students and serves as advisor for the K-State Swine Club. Outside of teaching, Jones is an accomplished researcher with 42 peer-reviewed publications, more than 100 abstracts, and more than \$6 million in awarded grants, gifts and contracts. Jones and her husband, Spencer, raise Angus cattle near Wamego and have three young

children, Ty, Hayden and Hadley.

"The work Dr. Jones has done with her undergraduate research program has helped established students' interest in research and has connected many to future careers," says Dr. Joel DeRouchey, ASI professor and state extension leader. "The credibility and respect she has established here and among other universities certainly qualify her for this award."

Several K-State undergraduate and graduate students were recognized at the meeting as well. Brianna Salgado,

KSU ASI senior, was awarded first place in the undergraduate poster competition where she demonstrated her research project titled "Development of Local Kansas E. Coli UTI Antibiograms to Improve Antimicrobial Stewardship in Companion Animal Medicine." Annie Lerner, KSU ASI graduate student, placed third in the Ph.D. oral competition. Henrique Cemin, KSU ASI graduate student, was recognized as an Animal Science Young Scholar and Caroline Ylioja, KSU ASI graduate student, was recognized as a Young Dairy Scholar.

Three K-State ASI alumni were recognized at the meeting as well. Dr. Brandon Depenbusch was awarded the Outstanding Early Career Agribusiness Award, which recognizes those who have demonstrated significant effect on the products and/or services marketed by their employer along with demonstrating leadership relative to scientific matters in the animal science industry beyond their employer. Alan Duttlinger, who received his master's at K-State, was awarded the Dr. Tim S. Stahly Outstanding Swine Nutrition Midwest Graduate Student Award which highlights the achievement of an outstanding swine nutrition graduate student who has demonstrated outstanding research, extension and teaching efforts in the area of swine nutrition. Dr. Clinton Krehbiel was selected to serve as Midwest ASAS president-elect.

Flint Hills Discovery Center to host storm spotter training

On April 11, the Flint Hills Discovery Center (FHDC) will be hosting its annual Storm Spotter Training from 6:00-8:00 p.m. at no cost to participants. This program is in collaboration with the National Weather Service.

Spring is known for rain, thunderstorms, tornadoes and more unpredictable weather. Storm Spotter Training will give guests an opportunity to learn from experts how to identify different cloud formations and decipher what each formation means. Guests will gain valuable information about what a dangerous sky can look like in the Flint Hills and the importance of taking the proper safety precautions.

This program is free and open to the public. To learn more about Storm Spotter Training, visit www.flinthillsdiscovery.org/stormspotter, call 785-587-2726 or visit 315 S. 3rd St. in Manhattan.

Corn and bean acres up, wheat down in prospective planting report

Kansas corn growers intend to plant 5.70 million acres this year, up 5 percent from 2018, according to the USDA's National Agricultural Statistics Service.

Soybean planted acreage is expected to be 4.95 million acres, up 4 percent from last year.

Winter wheat acres seeded in the fall of 2018 are estimated at 7.00 million, down 9 percent from last year.

Sorghum growers in Kansas intend to plant 2.75 million acres, down 2 percent from a year ago. All hay acreage to be harvested is expected to total 2.45 million acres, up 4 percent from last year's acreage.

Sunflower producers ex-

pect to plant 60,000 acres, up 13 percent from 2018. Oil varieties account for 38,000 acres, down 12 percent from a year ago. Non-oil varieties made up the balance of 22,000 acres, up 120 percent.

Oat intentions are estimated at 135,000 acres, up 13 percent from last year.

Canola planted acreage is expected to be 29,000 acres, down 38 percent from 2018.

Cotton producers expect to plant 170,000 acres, up 3 percent from a year ago and a record high if realized.

Estimates in this report are based on a survey conducted during the first two weeks of March.

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For our sale Friday, April 5th, steer and heifer calves were mostly selling at unevenly steady prices according to quality, condition and if they were weaned. Stocker feeder cattle were selling on a weaker trend. Cull cows and bulls sold steady on the high dressing kind and weaker on the low dressing cows.

STEER CALVES — 350-550 LBS

Council Grove	10 Cross	350@204.50
St. George	3 blk	373@200.00
Ozawkie	5 Ang	387@199.00
Council Grove	11 Cross	442@196.50
Council Grove	23 blk	456@190.00
St. George	5 blk	464@190.00
Belvue	3 blk	410@190.00
Ozawkie	12 Ang	449@188.00
Leonardville	5 blk	427@180.00
Blaine	8 blk	470@179.00
Olsburg	7 Cross	465@179.00
Leonardville	5 blk	505@179.00
Manhattan	6 blk	460@177.00
Belvue	8 blk	494@177.00
Ozawkie	7 Ang	530@175.50
Alma	14 blk	499@175.00
Leonardville	9 blk	472@174.00
Osage City	5 blk	383@174.00
Manhattan	6 Char	467@173.00
Linwood	11 blk	460@170.00
Meriden	5 blk	545@169.50
Council Grove	20 blk	527@168.50
Shawnee	5 blk	532@160.00
Potter	7 Heref	427@150.00
Mcfarland	7 Hols	517@55.00

STEERS — 550-825 LBS

Basehor	12 blk	595@182.00
Allen	6 blk	552@179.00
Olsburg	5 Cross	553@167.00
Blaine	10 blk	563@163.00
St. George	9 blk	563@162.50
Belvue	13 blk	573@161.00
Alma	16 blk	583@159.00
Marysville	3 blk	578@157.00
Wamego	3 blk	631@157.00
Leonardville	8 blk	613@156.50
Basehor	4 blk	726@152.00
Strong City	10 blk	721@151.50
Manhattan	5 Char	584@150.50
Wamego	3 blk	706@149.50
Westmoreland	5	654@145.00
Onaga	6 Cross	645@144.00
Goff	5 blk	730@143.00
Potter	10 Heref	658@138.50
Westmoreland	3 blk	721@138.50
Allen	4 blk	798@135.00
Manhattan	4 Char	690@131.50
Peabody	3 blk	623@130.00
Olsburg	23 blk	815@129.50
Potter	6 Heref	787@126.50
Olsburg	7 blk	680@125.50
Manhattan	3 blk	676@101.00

HEIFER CALVES — 225-550 LBS

Americus	9 Red Ang	360@184.00
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Council Grove	8 Red Ang	364@181.50
Council Grove	10 blk	389@179.00
Ozawkie	13 Ang	407@177.00
Olsburg	5 blk	348@177.00
Council Grove	10 Red Ang	445@175.50
Americus	9 Red Ang	447@175.00
Osage City	5 blk	365@175.00
St. George	3 blk	423@174.00
Alma	4 blk	447@171.00
Belvue	5 blk	437@171.00
Linwood	8 blk	403@170.50
Olsburg	8 blk	438@169.00
Ozawkie	3 Ang	331@168.00
Leonardville	12 blk	455@168.00
Manhattan	3 blk	456@166.00
Council Grove	27 blk	475@165.25
Blaine	4 blk	402@165.00
Leonardville	6 blk	409@165.00
Lecompton	5 blk	455@164.00
Ozawkie	3 Ang	466@161.00
Alma	29 blk	512@159.50
St. George	6 blk	495@159.00
Marion	17 blk	543@159.00
Americus	9 Red Ang	517@158.00
Blaine	6 blk	497@158.00
Osage City	3 blk	226@158.00
Belvue	6 blk	536@153.50
Osage City	4 blk	292@152.00
Manhattan	10 Char	487@150.50
Shawnee	4 blk	516@150.00
Alma	3 blk	391@150.00
Onaga	3 blk	526@146.00
Linwood	4 blk	452@145.00
Axtell	6 mix	441@143.00
Peabody	3 blk	493@142.00
Osage City	3 blk	403@141.00
Axtell	6 blk	478@140.00
Basehor	4 blk	538@140.00
Potter	7 Heref	421@135.50
Potter	12 Heref	536@135.00
Axtell	3 Cross	376@110.00

HEIFERS — 550-1,100 LBS

Centralia	18 blk	821@1085.00
Alta Vista	22 blk	567@158.00
Osage City	11 blk	561@157.50
Leonardville	9 blk	574@151.50
Frankfort	3 blk	555@151.00
Manhattan	10 Char	579@150.00
Osage City	28 blk	632@147.00
Marion	3 Cross	576@145.00
Manhattan	3 blk	561@144.50
Alta Vista	34	638@144.00
Onaga	4 Cross	598@144.00
Blaine	5 blk	595@143.50
Frankfort	7 blk	627@143.50
Alma	4 blk	567@143.50
Allen	8 blk	593@143.00
Basehor	24 blk	626@142.50
Westmoreland	11 blk	565@142.00
Wamego	3 blk	611@141.50
Frankfort	16 bwf	749@140.50
Allen	12 blk	721@139.00

Leonardville	16 Cross	675@138.75
Leonardville	40 Cross	8-6@137.75
Goff	10 Cross	689@137.00
Riley	8 Cross	736@136.00
Westmoreland	10 Cross	670@133.00
Frankfort	8 bwf	696@133.00
Basehor	15 blk	712@132.50
Riley	4 blk	638@132.50
Olsburg	16 Red Ang	680@131.50
Alma	3 blk	745@129.50
Potter	4 Heref	648@128.00
Junction City	24 mix	758@126.25
Frankfort	15 Heref	744@121.25
Potter	4 Heref	731@119.50
Frankfort	3 blk	828@113.00
Onaga	4 blk	1097@84.00

BULLS — 1,200-2,375 LBS

Elmdale	1 blk	1865@81.00
Manhattan	1 blk	2115@74.50
Onaga	1 Cross	2040@73.50
Manhattan	1 blk	2365@72.00
Westmoreland	1 blk	1815@70.00
McLouth	1 blk	1210@65.00
Circleville	1 blk	1985@62.00

COWS & HEIFERETTES — 925-1,750 LBS

Frankfort	1 bwf	1025@112.00
Peabody	1 bwf	1055@110.00
Peabody	1 blk	1070@101.00
Alma	1 blk	940@90.00
Westmoreland	1 blk	1750@69.00

Peabody	1 bwf	1065@69.00
Manhattan	1 blk	1505@68.50
Peabody	1 blk	1585@59.00
Marysville	1 blk	1325@58.00
Elmdale	1 blk	1070@57.00
Westmoreland	1 bwf	1380@53.50
Longford	1 Heref	1130@53.00
Burlingame	1 blk	1465@51.00
Alta Vista	1 heref	1210@50.50
Burlingame	1	1380@48.00
Burlingame	1 blk	1290@48.00
Peabody	1 blk	1215@48.00
Wamego	1 blk	1225@47.50
Onaga	1 blk	1110@46.50
Wamego	1 blk	1405@46.00
Emmett	1 blk	1340@46.00
Longford	1 Heref	1410@45.50
Dwight	1 blk	1430@45.00
Frankfort	1	1400@38.00
Allen	1 blk	1400@38.00
Onaga	1 blk	1120@35.50

BABY CALF

Lecompton	1 blk	265@410.00
Lawrence	1 Char	180@380.00
Auburn	1 blk	170@360.00
Topeka	1 Cross	@320.00
Topeka	2 Cross	@225.00
Wamego	1 blk	@220.00
Waterville	1 blk	@185.00



SPECIAL STOCK COW & BRED HEIFER SALE

WED., APRIL 10 • STARTING 11:00 AM

Check our website at mclivestock.com for complete and up to date listings.

EARLY CONSIGNMENTS FOR APRIL 12

- 175 choice reputation Angus & Angus cross str & hfrs, 1 complete rd shots, 400-600 lbs.
- 100 blk hfrs, green, long weaned, 2 rds shots, 550-650 lbs.
- 15 Angus hfrs, shots, long weaned, 650-700 lbs.
- 15 big Hereford cows, 7-8 yrs, bred to Angus & Jamison Hereford bulls for Sept.-Oct. calving.
- 75 choice angus str, ID tags, & hfrs, 2 rds shots, weaned 30 days, bunk broke, 400-450 lbs.
- 105 choice blk str & hfrs weaned Jan. 16, 2 complete rd shots, 500-650 lbs.
- 45 choice Angus Gelv cross str & hfrs, 1 rd shots, 550-700 lbs.
- 35 choice Angus & bwf str & hfrs, 1 rd shots, 550-700 lbs.
- 20 mostly blk few red hfrs, weaned, 2 rds shots, 650-800 lbs.
- 30 Reputation Herf replacement hfrs, 650-800 lbs.
- 60 Northern origin blk hfrs, all shots, long weaned, grass condition, 550-600 lbs.

EARLY CONSIGNMENTS FOR APRIL 19

- 32 Sim cross str & hfrs, weaned 30 days, 2 complete rd shots, 500-550 lbs.
- 13 SimAngus cross str & hfrs, 2 rds shots, weaned 30 days, 500-550 lbs.

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

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AASV Foundation honors Henry with prestigious Heritage Award

Dr. Steven Henry received the American Association of Swine Veterinarians Foundation's Heritage Award during the AASV's 50th Annual Meeting in Orlando, Florida. Dr. Paul Ruen, AASV Foundation chair, presented the award to Dr. Henry on March 11th. He becomes only the fifth recipient of the award which recognizes individuals who have lifelong outstanding achievements in swine veterinary medicine. It is only awarded on an as-needed basis (not necessarily annually) when a deserving individual has been nominated and selected. Awardees have demonstrated their eligibility through their membership in the AASV, service to the AASV, and service to the North American swine industry.

Henry received his Doctor of Veterinary Medicine from Kansas State University's College of Veterinary Medicine in 1972. After graduation, he practiced in Illinois as a general practitioner before returning to Kansas in 1976, where he practiced with his partners at Abilene Animal Hospital, P.A., retiring in 2017.

For more than 45 years, Dr. Henry has specialized in health management and diseases of swine. With an expertise in disease prevention and diagnosis in optimizing swine herd productivity, he has consulted in North and South America, Asia, and Australia. He shares his knowledge of swine health by presenting continuing education courses for veterinarians and students at Kansas State University. He has an extensive publication history in professional and industry publications and has authored veterinary book chapters.

A Diplomate of the American Board of Veterinary Practitioners in Swine Health Management, Henry received the first Allen D. Leman Science in Practice award, was recog-



nized as AASV's 1981 Swine Practitioner of the Year, and received the Howard Dunne Memorial award in 2002. He was also recognized by Iowa State University with the Science with Practice Award in 2014. Dr. Henry is a Distinguished Veterinary Alumnus, Kansas State University in 2002.

Dr. Henry has been involved in various AASV committees, represented AASV in the American Veterinary Medical Association's (AVMA) House of Delegates, and served AASV as president in 1982. He volunteered for the AASV program planning committee and has presented numerous seminars. Henry has served on the FDA Center for Veterinary Medicine's Advisory Committee and the AVMA's Council on Biologic and Therapeutic Agents.

Dr. Henry was also a pork producer, and has served on various committees for the National Pork Producers Council and the National Pork Board.

When asked to reflect on his career as a swine veterinarian and his involvement with AASV, Dr. Henry replied, "I am so proud of the AASV and what it continues to accomplish! To be recognized by my peers with this honor is most humbling. Just the opportunity to spend my career in this wonderful industry, to be a part of the progress in advancing the health of pigs was reward enough. Of course, recognition makes it all the more special."

"The AASV, begun as a small specialty species group of the AVMA, rapidly shed this cocoon to include experts from many diverse fields.

With core missions of science, education, collaboration and communication the AASV advanced the careers of all of us. Now members are leaders in the world swine industry, providing expertise on health and production challenges. Because members so willingly share and collaborate, the capability to actually eliminate diseases and pathogens from herds is now an accepted standard of care. Swine medical care has evolved from 'attend to these sick pigs and clean up the mess' to elimination of the pathogen so there won't be another mess. It takes strong, visionary leaders to accomplish such big leaps. And the AASV organization and members have done just that! What a wonderful place to have as my 'veterinary home' for an entire career. Being recognized for having fun with pigs and people for these many years is special beyond words."

Steve and his wife Vangie enjoy time on their farm, their children, grandchildren, and great-grandchildren. A cellist, Steve plays with the Salina Symphony Orchestra and enjoys the time spent in various ensembles.

FARMSTEAD AUCTION

THURSDAY, APRIL 11, 2019 — 10:00 AM

1468 INDIAN ROAD — Clay Center, KS • 27 acres m/l

Auction to be held at 1468 Indian Road, CLAY CENTER, KS

Directions to Farmstead: South of Clay Center to 14th Rd., 5 miles West to Indian Rd., 1/2 mile north. Property is on the East side of the road.

Brief Legal Description: 27 Acres m/l in the NW4 of Section 28, Township 8 South, Range 2 East of the 6th P.M., more commonly known as 1468 Indian Road, Clay Center, KS.

- Get the Livestock out of the mud!! (3) 26'x114' open front sheds with concrete.
- Nice wooded acreage (27 ac. m/l) about 10 miles from Clay Center
- 1/2 mile off the blacktop (14th Road) on a good gravel road
- Remodel the current home or build new
- Other outbuildings adaptable for your livestock

2018 Taxes: \$2732 .00.

Terms & Conditions: 10% down day of sale payable to Clay County Abstract & Title Company as escrow agent. Balance due in the form of certified funds on or before May 9, 2019, upon delivery of clear and merchantable title. Escrow fee, Contract fee and Owner's Title Insurance to be paid 1/2 by seller and buyer. Seller to pay 2018 and all prior year's taxes, 2019 taxes to be prorated to the date of closing. Possession at closing. Announcements sale day take precedence over all printed matter. Auction firm is working for the seller.

Auction conducted by Homestead Real Estate
Brad Fowles, Listing Agent
Phone: 785-632-1613

Gail Hauserman,
Agent and Auctioneer
Phone: 785-447-0686

Office Phone: 785-632-3373

For more info & pictures: www.cchomesteadrealestate.com

K-14 ONLINE & LIVE CONSIGNMENT AUCTION!

SATURDAY, APRIL 13, 2019 — 9:00 AM

LOCATION: K-14 Auction Center, 10919 S K-14 Hwy — HUTCHINSON, KS 67501

6 miles south of the Loves Truck Stop in South Hutchinson on 14 Hwy

NOW TAKING CONSIGNMENTS FOR Vehicles, Tractors, Farm & Livestock Equipment, Shop Tools, Lawn & Garden, Farm Primitives & Collectibles, Construction Supplies, Lumber, Windows & Doors, any farm related items with a cash value will be accepted!



Bigger items will be sold online thru ProxiBid

RV, Vehicles & Tractors: 1977 4300 IH tandem axle Grain Truck w/20' bed & roll tarp cover, 72k mi; 1995 Dodge Ram 2500 gas Pickup w/42k mi, ext. cab, 2WD (good cond); 2009 Coachman-Spirit of America RV, 27' w/slide out, new carpet (good cond); 2003 Haulmark 8'x32' Racing Trailer, w/Onan 7k watt generator, heavy duty ramp door & 4' side door, refrig, microwave, table & AC; 2017 NH T6.175 Diesel Tractor w/702 hrs-145 HP, Ser# ZGEDO7730, Air Ride swivel seat, Electro Shuttle trans w/creeper gears, push button 4WD, Supersteer front axle, 540/1000 PTO, 3 sets of Deluxe rear remotes, LED light package, 14.9xR30 front & 14.9x R46 rear tires, like new return lease tractor that has a full warranty till Sept 2019 & remission warranty till Sept 2022; 2012 Case IH Maxxum 125 Diesel Tractor w/730 hrs-125HPL750 Loader w/7' bucket, Air Ride swivel seat, 16 spd. semi powershift, Big 113 liter hyd pump, push button 4WD, 4 sets of Deluxe rear remotes, 540/1000 PTO, 14.9xR28 front & 18.4xR38 rear tires, like new condition tractor; JD 4840 Diesel Tractor w/9643 hrs, has Loader & grapple bucket, powershift, triple hyd, Quick Hitch & 20.8 R38 duals; JD 4760 Diesel Tractor w/11k hrs, MFWD, triple hyd, powershift & 18.4 R42 duals; JD 4240 Diesel Tractor w/9700 hrs, Quad Range, triple hyd & 18.4 34 duals; Case IH MX 100 Diesel Tractor w/cab & loader; JD 3350 MFWD, Diesel Tractor w/ 5534 hrs & Koyker 545 loader; Mahindra 4025 Diesel Tractor w/4550-4L loader, 4WD, 3pt, dual hyd, only 30 hrs, like new condition; John Deere 4010 Diesel w/loader; 1981 Ford 4600 Diesel Tractor w/2900 hrs, has Westendorf TA160 loader w/Quick Attach bucket & 3 pt; Case 2090 open station Diesel Tractor w/6300 hrs; Mitsubishi MT372 Diesel Tractor, 4WD w/460 hrs, 3 spd. PTO, 50" belly mower, Southeast 42" tiller, Ford 715 4' snow blower (sells as a 4 pkg. deal).

Field & Livestock Equipment: IH 1482 pull type combine w/16.5' Direct Cut Header; Big Twelve Grain Cart (400 bu); JD 3700 10-18 plow w/harrow; JD 2800 6-18 plow (semi mount); Sterling 9' Packer

NOTE: We will be selling at 3 & 4 locations all day, so plan to spend a full day with us. 9 AM: Trailer items, farm tools & supplies at 2 locations, continuing into row items; household, antiques & collectibles at 10 AM; construction tools & supplies at 11 AM; lawn & garden at 12 Noon.

Go to morrisauctions.com on the ProxiBid link to view cataloged items that will be offered ONLINE AND LIVE AT 1 PM.

Send your information to: morris_yoder@yahoo.com or Morris Yoder 620-899-6227

HOUSEHOLD, ANTIQUES & FURNITURE CONSIGNMENT AUCTION

SATURDAY, APRIL 13, 2019 — 10:00 AM

LOCATION: K-14 Auction Center, 10919 S K-14 Hwy — HUTCHINSON, KS 67501

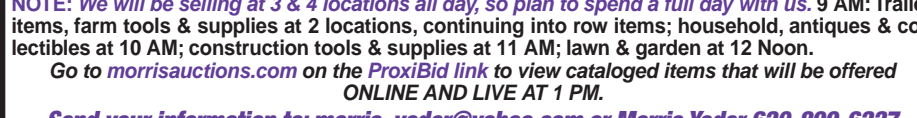
Lots of Furniture; Sofas; Rockers; Recliners; Jacuzzi Tub (new); Corner Cabinets; Antiques; Childrens Toys; Games; Collectibles; Appliances; Tools; Lawn and Garden Supplies!

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By Brett Melton,
Livestock Production agent,
River Valley
Extension District

Shortening the breeding season of a beef herd sounds like win to me – a win for cattle producers. However, making the switch can be a tough decision. Change can be difficult for anyone. This is my attempt to persuade cow-calf producers to make a change, if they haven't already done so.

Reproduction is easily the most important factor for any cow-calf producer. Ideally, a herd will be 90% or greater. However, if a 90% pregnancy rate is spread out over 90 days or greater, then this could be

sacrificing money when the calves are sold. The reason for this is the average size of calves is less when the breeding season is spread out (older calves are bigger). So, if more cows could get bred earlier in the breeding season, a herd will be more profitable overall.

How can this be done? There are many great products on the market that can be utilized to breed cattle and they are not just for artificial insemination. One simple practice that has been shown to be effective is to give a shot of prostaglandin five days after turning the bulls out. This should get all cows that are cycling to come into heat within ten days. The cows that are already in heat should get bred in the first five days. Sometimes this is not practical, because the cows are not close

to a handling facility. Instead, a shot on the same day the bulls are turned out is another option but, it's not as effective. However, prostaglandin will have no effect on cows that are not cycling.

For cows that are not cycling, because they were late calving, there are other options. Prostaglandin will have no effect on cows that are not cycling, because there is no corpus luteum (CL) to lyse, which is the role prostaglandin plays. Instead, these cows will need a gonadotropin releasing hormone (GnRH) injection. GnRH will stimulate the release of luteinizing hormone (LH) and Follicle stimulating hormone (FSH). These two hormones control the growth and regulation of follicles on the ovaries which release the egg.

The purpose of going through this is to tighten up the calving window and to get as many calves born earlier in the calving season as possible. This can increase the average age of calves by 10-17 days and the average weaning weight 20-44 pounds. Depending on the price of cattle, that can be an extra \$30-\$80/ head on sale day. Depending on the quantity and the place you buy your supplies, these injections will be about \$2-\$4/animal. I'd say that would be a good return on your investment.

Changing your operation doesn't have to be a dramatic. These are some simple, proven methods to improve the breeding season, and in turn the calving season. For more information call Brett Melton in the Concordia River Valley Extension Office at 785-243-8185 or email bmelton@ksu.edu.

UPCOMING MARION COUNTY LAND AUCTION

TUESDAY, MAY 7, 2019 — 6:00 PM

Community Building, Swope Park — COTTONWOOD FALLS, KS

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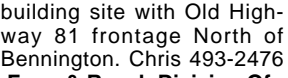
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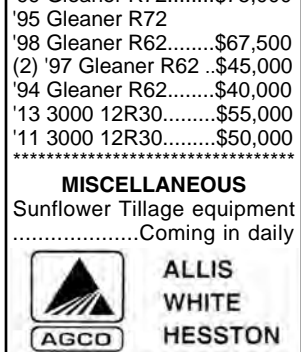
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2015 JD 569 Premium, STK# 11803.....	\$36,500.00		
2013 JD 569 Premium, STK# 12285.....	\$30,000.00		
2015 569 JD Baler, STK# 12338.....	\$32,000.00		
2011 568 JD Baler, STK# 12339.....	\$22,000.00		

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Kubota M7-151 KVT, MFD, ldr
Kubota M6-111 MFD w/ ldr
Kubota M5-111 MFD w/ ldr

USED TRACTORS

2016 Kubota M5-111 HDC 12 4wd, ldr.
2013 Kubota RTV 500 utility veh.
2012 Case IH Farmall 95, cab, MFD, ldr
2014 Case IH Maxxum 115 MC, MFD, ldr
2014 Kubota L5460, HSTC, 4WD, Cab
2013 Kubota L3940 HSTC, 4WD, cab, ldr

MISCELLANEOUS

2017 Case IH DC102, DMC
2016 Bush Hog 2215 15' cutter
2014 Bush Hog 2815 15' cutter
1988 Case IH 8330 Moco



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2015 JD 6215R
2018 JD 6155R
2016 JD 6155R
1990 JD 4455
1983 JD 4450
1991 JD 4055

COMBINES

2017 JD S660
2014 JD S660
2013 JD S660
2016 JD 630FD
2011 JD 630F

USED EQUIPMENT

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2017 JD HX15

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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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New Bale Spears for big rounds\$650

NEW EQUIPMENT

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'09 Case IH Magnum 215, 3370 hrs
'96 JD 8300 MFD 7,960 hrs
'91 Case IH 5140, 2wd, 5550 hrs
'82 IH 5488

MISCELLANEOUS

'18 Case IH 2150 planter 16/30
'12 Case IH 1250 16x30 w/ liquid fertilizer
'14 Case IH 5130 Combine, 4wd 775 engine hrs, 518 sep. hrs
'11 Case IH 3406 corn head w/ trailer
'10 Case IH 2020 flexhead 30' w/ air reel
'05 Killbros 1170 grain cart
'89 Case IH 1063 corn head
'09 Case IH RB564, 3,600 bales
'01 NH 1475 MOCO 14'
'02 NH 1475 MOCO 14'
'02 Case IH 4300, FC 27'
'96 Sunflower 1232-29 disk
'01 Case IH 3950 disk, 33'
'07 Case IH 340 25' disk
'05 Case IH 340 disk 28'
Great Plains turbo till 3000
Sunflower 4212-11 disk chisel
Case IH 6500 conser till, 14'
'89 Case IH 1020 25' IH 863 cornhead
JD Frontier RC2084 rotary cutter 7'

NEW EQUIPMENT

'08 Cub Cadet GT 2554 garden tractor
Farmall 30C w/ loader
Farmall 35A w/ loader
Farmall 100C, MFD, ldr
Maxxum 125
Magnum 280
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International 1456 tractor CALL
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1990 JD 853A rowhead\$10,500
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JD 635 flex draper.....\$43,000
2015 JD 635 draper..... CALL
2008 JD 608 cornhead 8x30 ... \$18,500
JD 644 cornhead\$4,750
2007 JD 635F flexhead\$12,000
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CIH 2020 Flexhead 30' ..\$9,500
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Haybuster H-1000 Tubgrinder.\$27,000
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JD 569 premium round baler ... \$23,500
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2014 NH 340 big square baler 1601 bales\$70,000
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JD 400 rotary hoe\$1,750
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SF 9433 drill 10x30.....\$27,500
Orthman 428 Fallowmaster.....\$18,000
Blu Jet II ripper 7sh.....\$7,000
Blue Jet ripper 5sh.....\$4,900
Hiniker 1000 cultivator 12r 30' ..\$9,000
Hiniker 6000 12R30.....\$14,500
Hiniker 5000 cultivator 8R30 ... \$4,000
Hiniker 6000 cultivator 8R30 ... \$8,000
Lilliston cultivator 6R30 ..\$2,500
JD 885 cultivator 8rw\$5,000
JD 2100 ripper\$7,500
Sunflower 1434 disc CALL
Case IH 1200PT 8R planter CALL
JD 7000 planter 6R.....\$2,000
JD XP 1750 planter..... CALL
Buffalo 4600 cultivator ..\$1,500
KMC Cultivator.....\$1,000
2018 Industrias Am. blade 160r..... CALL
Wemco header trailer 32 & 35 ft. NEW CALL

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booms, excellent condition, al-
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Flint Hills Discovery Center
Foundation announces campaign

Next Vistas Campaign, a
major initiative serving youth,
expanding programs, and en-
hancing technology of the
Flint Hills Discovery Center
was announced recently by the
Flint Hills Discovery Center
Foundation.

At the eighth annual Friend
of the Flint Hills Recognition,
honoree Marty Vanier, special
guest Kansas State president
Richard Myers, and the Cam-
paign Leadership Commit-
tee were on hand for the an-
nouncement that Next Vistas
had secured gifts of nearly \$2
million on a goal of \$5 million.

"The Flint Hills Discovery
Center has become a regional
keystone for the entire Kan-
sas Flint Hills community,"
said Campaign co-chair Bruce
Snead. "Drawing almost
85,000 visitors a year, a large
percentage of them children,

it has become a destination for
learning about and celebrat-
ing the place, the people, and
the promise we call the Flint
Hills."

A campaign video was
shared for the first time. KSU
President Richard Myers intro-
duced Flint Hills native Mark
Nutsch as the National Cam-
paign honorary chair. Mark
is a decorated war hero with
roots and family here in the
Flint Hills.

"I have traveled the world
in my Army career," said
Nutsch. "This landscape is
truly special. The work of the
Flint Hills Discovery Center
and Foundation to ensure that
the Flint Hills story is told
to a national and international
audience is so important. I
am very proud to serve as the
Honorary Chair of the Next
Vistas Campaign."

Campaign leaders con-
veyed their gratitude to Carl
and Mary Ice, Marty Vanier
and Mary Vanier for their lead-
ership gifts to the campaign.

"We are grateful to all of
those who have made gifts and
pledges to the campaign," said
Karen McCulloh, a member
of the Campaign Leadership
Committee. "The value of the
Discovery Center cannot be
overstated. It serves to educate
the world. It serves to preserve
our heritage in these hills. It
serves as a source of endless
pride for Manhattan and the
Flint Hills."

According to Campaign
co-chair Kent Glasscock, "The
campaign is seeking private
support for three major initia-
tives. First, the second floor
mezzanine will become home
to KID-SCAPE, a youth-foc-
used, interactive experience

immersing children into the
place, the people and the
promise that is the Kansas
Flint Hills. Secondly, new vid-
eo-enhanced technology will
energize the experience of
Flint Hills Discovery Center
visitors. And finally, endowed
funds will provide expanded
educational classes, work-
shops and other activities for
children."

The FHDC Foundation
functions to advance the mis-
sion and work of the Flint Hills
Discovery Center through dy-
namic and vibrant develop-
ment programs which identify,
cultivate, solicit and express
appreciation to donors of the
Foundation. The Foundation
seeks capital and program-
ming, along with deferred and
endowed gifts in support of the
Flint Hills Discovery Center.

Used Hydrabed HB200
Coming In
Several New Country Clipper
Zero Turn mowers ...In Stock
Nice flatbed, fits dually
\$2,100
IH #900 6RN Planter with
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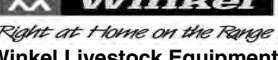


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1200lb, 1600lb, 1800lb, 2500lb
& 3200lb



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HB3100, HB3200, HB3250,
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HydraFeeders, Across the bed
toolboxes, Underbody
Toolboxes, & HydraTM2000
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WELCOME TO G&G — A RURAL NEWSWEEKLY

Grass & Grain, a farmers' newsweekly, has been
published in Manhattan, Kansas for over 60 years.
The G&G community looks to the
Tuesday publication for timely, accurate information.

Spring Crank Up! April 20 in Alta Vista

The eighth annual Spring
Crank Up! Tractor Show is
scheduled at Ag Heritage Park,
in Alta Vista on Saturday,
April 20th. The tractor show
kicks off with the tractor own-
ers enjoying a Parade of Power
through town, returning to the
Park to share their tractor story
with those in attendance. Also
for the old iron enthusiasts a
tractor cruise is planned, be-
ginning at 2:00 p.m., weather
permitting.

Local talent Morgan Poole
and Tracy Schmitz are sched-
uled to share their music at
11:30 a.m., performing in the
main museum building. A barn
quilt drawing will be held at
2:00 p.m. Saturday afternoon.
The barn quilt, painted and
donated by Connie Larson,
is 4x4', with ticket donations
supporting Ag Heritage Park.
Tickets are available in ad-
vance and on show day. The
winner does not have to be

present to win.
Lunch, snacks and drinks
will be available all day on
the grounds, with the proceeds
benefiting Ag Heritage Park.
All exhibits are handicap ac-
cessible and golf carts are
available to tour the Park. All
age groups will enjoy time
spent "stepping back in time."

Registration for the parade,
show and cruise begins at 8:00
a.m., with no registration fees.
The public is welcome to join
in the Parade of Power gath-
ering about 9:30 at the Ag
Heritage Park parking lot, with
viewers watching from down-
town. When the tractors return
to the Park after the Parade of
Power the tractors will be on
display until 2:00 p.m.

Ag Heritage Park will be
open tractor show day from
8:00 a.m. to 5:00 p.m. Ad-

mission to the Park, which is
a 501(c)(3) corporation, is by
donation, used for park up-
keep and maintenance. Along
with gate donations Ag Heri-
tage Park welcomes Corporate
Sponsors who are vital to Ag
Heritage Park remaining open
to the public.

For more information con-
cerning the Spring Crank Up!
Tractor Show on Saturday,
April 20, or to schedule in-
dividual visits or bus tours
to Ag Heritage Park on fu-
ture dates, please call Kirby
Zimmerman, 620-767-2714
or Hazel Zimmerman, 785-
482-3865. Visit HYPERLINK
"http://www.AgHeritagePark.
com" www.AgHeritagePark.
com and Facebook for the lat-
est updates. Ag Heritage Park
is located at 103 S. Main, the
south edge of Alta Vista.

Eva Hinrichsen earns Junior
Bronze and Silver awards

Eva Hinrichsen, Westmoreland, has earned the National Junior
Angus Association's (NJAA) Bronze and Silver awards, accord-
ing to Jaclyn Upperman, education and events director of the
American Angus Association® in Saint Joseph, Mo.

Hinrichsen is the 18-year-old daughter of Ron and Lynne Hin-
richsen. She attends Rock Creek High School and is a member
of the NJAA, the Kansas Junior Angus Association, where she
has served as historian, reporter and historian and the Northeast
Kansas District Angus Association.
She has participated in local, state, regional and national
shows and showmanship contests. Hinrichsen was also a partic-
ipant in the Leaders Engaged in Angus Development (LEAD)
conference in 2016 and the Raising the Bar conference in 2017.

She is actively involved with her local, district, state and na-
tional FFA chapter and her local 4-H club.

The Bronze and Silver awards are the first two levels of the
NJAA Recognition Program that began in 1972. Junior Angus
breeders must apply for the awards, than meet point requirements
in many areas of participation before receiving the honors. Ap-
plicants are evaluated in areas of junior Angus association activ-
ities and leadership, participation in showmanship, contests and
shows, using performance testing to improve their herd and their
progress in producing and merchandising Angus cattle.

The NJAA promotes the involvement of young people in
raising Angus cattle, while also providing leadership and self-de-
velopment opportunities for the nearly 6,000 active members
nationwide.

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inj. pump; 1948 IHC Super A, mid
blade, good tires, Diamond frt. axle,
12161; IHC 706 dsl, 2 pt, good
tires, WF; H Farmall w/ldr; 1965
MF 135 gas, good tires; 1974 1085
MF, 500 hrs on OH, shedded; 1988
283 MF, shedded; WD 45 Allis,
WF; 8N Ford (side distributor),
Nice; B John Deere, 3pt, live hyd
(new tires, O/H, new paint); 60 JD 3
pt (new tires, new paint, live PTO).
TRAILERS: 2005 VVV gooseneck
box trailer 26' on floor, 8' on nose
93" wide, 74" tall at door; Neal 5th
wheel trailer 37.5', hyd. rear deck,
new floor, new paint (title); 6x10
Trip Livestock Trailer w/new tires
(title); 5x16 open top livestock
trailer (no title); 6x16 Gooseneck
livestock trailer (good tires & floor);
6x16 shopbuilt Gooseneck live-
stock trailer (good tires, no title);
Boss 16' gooseneck livestock
trailer (title); 1991 PJ 77"x14' w/
fold down ramp & Gorilla lift (title);
12' utility trailer w/fold down ramp
& Gorilla lift (no title); 1989 40' Colt
hopper trailer; 1982 Wilson cattle
pot; 20' tandem axle trailer w/fold
down ramps (title); 4x8 tilt bed
lawnmower trailer; 5x8 lawnmower
trailer; 16' car trailer, needs floor
(title); 2 wheel pickup bed trailer.
VEHICLES: 1991 Ford 3/4T 4x4,
V-8, AT; 2001 Chevrolet 1500,
2WD, AT; 1998 Mazda B4000 PU,
204,000 mi, good shape; 1999
Dodge 1500 PU, 138,000 mi, AT,
2WD (has been lifted & has tinted
windows); 1988 Chevrolet C-70
boom truck, 366, 5 spd.
EQUIPMENT: Krause disk 20';
Krause wheel disk 9'; JD single
disk 11' 3 pt; Kewanee wheel disk
9.5' w/cyl.; JD 1010 20' field cult.;
JD 17' heavy chisel; 3 btm. MF
plow, 3 pt; 540 IHC 4 btm. plow
semi mt; JD 5 btm. plow semi mt;
IHC 5 btm. plow semi mt; IHC 12'
chisel, pull type; JD 24T sq. baler;
MacDon 16' swather, pull type;
Bush Hog disc mower 3 pt; NH
854 rd. baler; 28' Hay Escalator
(shedded); pop up sq. bale ldr.;
JD 8W sickle mower 7'; 494 JD
planter (shedded); 2 row #6-7 JD
planter w/hyd lift & cyl.; 6' Gandy
Easy Flow spreader; 2-220 bu
Korey gravity wagons w/factory
running gears; 1-120 bu gravity
wagon w/factory running gear; 5'
Rhino rotary mower SE5, good;
Land Pride 6' 3 pt finish mower;
JD 9' springtooth harrow; JD 14'
springtooth harrow; frt. mt cult for
B JD; JD 45 ldr.; 4' Tumble Bug;
2-14 JD plow, hyd lift, on rubber w/
cyl.; 2 row 3 pt Ford cult.; 4 wheel
farm wagon w/bed & hoist; West-
field hyd. drill fill auger.
TRACTOR PARTS: 2-12.4-38
tractor tires on JD rims; 3-11.2-38
tractor tires on B JD rims; 2-12.4-
38 tractor tires; 1 JD 50-60 rim; 1
JD A-B rim; 4 16" frt. tractor ties &
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JD 800 3 pt hitch, complete & lots
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farm items! ANTIQUES.
LIVESTOCK EQUIP.: 20' cont.
fence panels; 15 New Gingerich
livestock panels; rd. pen panels;
20' livestock shed on skids; cattle
sq. chute; horse hay feeder; 16'
wire panels; 12' 6 bar red gates;
2-14' red gates; 6' oblong water
tank; several Priefert goat panels.
BUGGY & SLED: 4 wheel 2 seat
buggy; 4 person sled w/dolly wheels.
A Large Lot of steel pipe, I-beams,
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& other iron & metal. ALSO 10x10
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a local contractor): Stihl concrete
saw; Coats 10-10 air tire machine;
220v Lincoln wire welder; Honda
power washer 5.5 hp; port. air
compressors 110 & 220; air im-
pacts, nail guns, nailers & other
air tools, large lot of Contractors
Tools of all types!

Call us with your late consignments! Items taken until sale day.
Terms: Cash/good check. Nothing is to be removed until settled for. Kansas
sales tax will be charged on applicable items. Not responsible for accidents or
loss. Announcements made sale day take precedence over any advertising.

Complete sale bill, lots of pictures, up to date list of late
consignments & more info at www.kansasauctions.net/kurtz
Richard Newkirk Sales mgr 620-203-0065
Larry Hermon Asst Mgr 620-256-6771
Harold Hess, Loading & unloading 620-498-1145
AUCTIONEERS: Darwin W. Kurtz 785-448-4152
LYLE WILLIAMS LAVERNE YODER DANIEL WAGLER
785-229-5457 785-489-2335 785-806-1669

Wallace Birk Farm RETIREMENT AUCTION
SATURDAY, APRIL 20, 2019 — 10:00 AM
872 Dobbin Road — GRIDLEY, KANSAS 66852
Partial Listing. LARGE AUCTION!

4650 JD tractor, 9800 hrs, pwr
shift, 3 hyds, cab interior good,
shedded; JD Plow Disc 10' good;
JD 230 Disc 18' good; Baker 24'
Field Cult. good; 640 JD Rake
w/dolly whl; Pop Up Bale Ldr;
Kelly Ryan Feed Wagon, shed-
ded; 4-whl trailer w/grain sides &
hoist on JD gear; 21' Donahue
Imp. Trailer; 3 pt bale movers;
port. grain auger; Log Splitter, &
more. GUNS: 11:00 am: Reming-
ton 870 Express magnum 12 ga
pump shotgun; Remington 870
Wingmaster 12 ga pump shotgun;
Remington 788 243 cal. bolt ac-
tion rifle & scope; 2 Remington
572 Fieldmaster 22 pump rifles;
BB gun; Hustler Raptor zero turn
mower 54", 161.4 hrs, like new;
JD #5 Yard trailer; Weed Eaters
& other tools; 500 gal. dsl tank w/
Fillrite elec pump; fuel transport
tanks, 1 w/elec pump; rd. bale
fdrs; corral panels, gates, elec
fencers, & lots misc farm items; lg.
amount of tools & farm shop items
inc: Sanborn 60 gal. compressor;
chop saw; drill press; Lincoln 225
welder; JD pressure washer; bolt
organizer & lots new bolts; fire-
proof cabinet; cutting torch; tire
tools; 12 volt grease gun; pow-
er tools; 50# anvil; lots of good
wrenches, hammers, sockets,
chisels, screwdrivers & good misc
shop tools; new manifold for 5.7
Hemi; new fireplace insert; Daly
Western saddle; barrel saddle &
misc tack; 2 man paddle boat &
fishing gear; lg. lot of old farm col-
lectibles from buildings inc: sleds;
milk cans; wash boiler; lamps &
lanterns; #2, 4, 5, 10, & 15 stone
jars; Skelly cans; wooden boxes;
old chicken crates; cast iron wood
stove; watering cans & galvanized
items; & much more old stuff; IH
corn shellers; dump rakes; horse
drawn feed grinder; hay loft fork,
etc; NOS never used wooden
picket fence. WINDMILL: Wood-
manse windmill head on tower to
be removed within 30 days.
2 bulk bins; several small build-
ings to be moved.
Good appliances, nice household
items inc. hardwood bedroom
group, nice living room furniture,
kitchenwares & lots more items.

Complete sale bill & more info: www.kansasauctions.net/kurtz
TERMS: Cash or good check. We do not take credit cards.
LARGE AUCTION! Bring trucks, trailers, family & friends.
Tractor & Machinery sell @ 1 PM

Kurtz
AUCTION & REALTY SERVICE
AUCTIONEERS:
Darwin W. Kurtz Lyle Williams Laverne Yoder
785-448-4152 785-229-5457 785-489-2335
Food onsite by Kanned Klassic
Country Cooking

2280± Acres BARBER COUNTY, KS Land in
4 Parcels: Cropland, Pasture & Ponds
LAND AUCTION

MONDAY, APRIL 29, 2019 — 1:30 PM
Sale held at the HERITAGE CENTER, 1056 SE ISABEL RD,
MEDICINE LODGE, KANSAS

• 12:00 Lunch provided by: AMERICAN AGCREDIT
SELLERS: J-PAUL MAGNISON ESTATE & HEIRS

Following applies to all tracts; Tenant Rights; Closing on or
Before May 29th 2019; Title Ins. 50% Buyer, 50% Seller; Taxes
Prorated to Day of Closing; Earnest Money \$20,000.00 Each Parcel.
Surface Rights Only. All acreages are approximate. Sale Bill
Subject to change. Slamal & Swayden Inc will be the Title com-
pany, Escrow Agent & Closing Agent. Land Sells Subject to all
Easements, Leases, Right of Ways of Record. Hamm Auction
and Real Estate will be acting as a Sellers Agent.
TRACT 1 sells at 1:30 pm Legals: W2 W2 of 14-33-12 (160±
acres); S2 NW4 & E2 NE4 of 15-33-12 (471± acres); N2 NE4
of 21-33-12 (80± acres); N2 NW4 & N2 NE4 lying North of the
Hardtner Shortcut Road in 22-33-12 (118± acres); Approx. 829±
acres in Tract 1 consisting of 345.72± acres of dryland and
481.83± acres of grass/pasture.
TRACT 2 Legal: W2 SE4 & E2 SW4 of 14-33-12 (160± acres) Con-
sisting of 95.88± acres of dryland & 62.99± acres of grass & pasture.
TRACT 3 Legal: 21-33-12 All of SEC LYING SE CO RD (186±
acres) & NE4 & NE4SE4 & ALL THAT PART E2NW4 & N2SV4
LYING EAST OF BARBER CO PUBLIC ROAD 15 (280.30±
acres) Approx. 466.30± acres in Tract 3 is all grass.
TRACT 4 Legal: SW4NW4, S2SW4 & NW4SW4 in 11-33-13
(162± acres), E2NW4, S2NE4, S2 SECTION LESS RD EX A
TRACT IN THE NE4S2NE4 CONTAINING 4.3 AC R/W 14-33-13
(469.10± acres) & N2N2 & SW4NW4 LESS RD R/W 23-33-13
(198.00± acres) Approx. 829.10± acres in Tract 4 Consisting of
119.13± acres dryland, 709.87 grass/pasture.
These 4 tracts are located in Unit 16 for hunting purposes and
have a definite wildlife influence. Fences are a combination of
New & Older fences. Tract 4 will have a New Fence (short dis-
tance) to be put in and the cost will be shared with the Neighbor.
Full Sale Bill Online at www.hammauction.com!

Hamm
Auction
Real Estate
John Hamm/Auctioneer
620-450-7481
107 NE State Road 61, Pratt, KS 67124
www.hammauction.com
Announcements made Sale Day take precedence over any internet, faxed, digital
or printed materials of all kinds.

Northern Exposure Show to be held April 13 in Belleville

The 26th annual Northern Exposure Show will be Sunday, April 13, at the NCK Free Fair grounds in Belleville. This year's judge is from Illinois, Jim Bloomberg. Check-in for the youth show will begin Saturday evening from 6-8 p.m. and a mountain oyster supper will be served to the contestants and their families. Check-in continues at 7 a.m. Sunday morning with the show starting at 10:00 a.m.

Last year nearly 150 entries were exhibited at the fairgrounds arena.

This year the show will begin with the spring heifer prospects, followed by supreme breeding heifer, showmanship, market animals, and champion market animal. There will be three classes of showmanship: juniors, intermediate and seniors. Elite prizes are awarded for showmanship. Prospect and market animal champions receive \$750 cash and a banner. Reserves will receive \$500 cash and a banner. Cash and prizes are sponsored by area and local businesses.

For more information visit Facebook (Northern Exposure Steer/Heifer Show), the website at www.northernexposureshow.com or contact Josh Beam at 785-527-3455, Eddie and Mandi Sandberg at 785-527-0329 or Kim Cerny at 785-822-4802.

Women in Agriculture topic is landscaping with native plants

Landscaping with Native Plants is the topic of this spring's Saline County Women in Ag meeting scheduled for Tuesday, April 30. The speaker will be Jason Graves, K-State Research and Extension Horticulture Agent, Salina.

Native plants are growing in interest for reasons that may surprise you. In this meeting we will explore different features of Kansas native plants and prepare you to use them in your own home landscape. Following Jason's presentation, there will be an interactive planting session where you will plant your own succulent to take home (Please bring a small coffee cupsize container for your plant).

If you are a woman involved in agriculture, whether producer, spouse, landlord, or are interested in learning more, plan to attend this free Women in Ag program. The session will be at American Ag Credit at 925 W. Magnolia, Salina. Registration begins at 6 p.m. followed by the meeting at 6:30 p.m. Drinks and dessert will be served. Pre-registration is required to ensure enough plants are available. Call the K-State Research & Extension office in Salina, at 785-309-5850 by April 23 to register.

This Women in Ag meeting is sponsored by K-State Research & Extension-Central Kansas District, Farm Service Agency, Natural Resources Conservation Service, American Ag Credit, Saline County Conservation District, and Saline County Farm Bureau.

Dairy producers previously enrolled in the Livestock Gross Margin Program now eligible for 2018 Margin Protection Program

The U.S. Department of Agriculture (USDA) has announced that dairy producers who elected to participate in the Livestock Gross Margin for Dairy Cattle Program (LGM-Dairy) now have the opportunity to participate in the Margin Protection Program for Dairy (MPP-Dairy) for 2018 coverage. Sign-up began March 25 and will run through May 10, 2019.

Producers enrolled in 2018 LGM-Dairy, administered by USDA's Risk Management Agency (RMA), previously were determined by the 2014 Farm Bill to be ineligible for coverage under MPP-Dairy, a safety net program available through USDA's Farm Service Agency (FSA).

"The 2018 Farm Bill included substantial changes to USDA dairy programs," said FSA administrator Richard Fordyce. "This includes the ability for producers with LGM coverage to retroactively enroll in MPP-Dairy for 2018. It also integrated recent improvements to the MPP-

Dairy in the new Dairy Margin Coverage program, beginning with the 2019 calendar year."

The MPP-Dairy program offers protection to dairy producers when the difference between the national all-milk price and the national average feed cost—the margin—falls below a certain dollar amount selected by the producers in a dairy operation. LGM-Dairy is an insurance product that provides protection when feed costs rise or milk prices drop. The gross margin is the market value of milk minus feed costs.

This retroactive sign-up is only for dairy producers with 2018 LGM coverage who produced and commercially marketed milk in 2018 but did not obtain full year MPP-Dairy coverage. FSA will notify eligible producers by postcard and provide a one-time payment for all of the months in 2018 that had margins triggering MPP-Dairy assistance.

"I'm pleased that dairy producers will now be able to take advantage of enrolling in both Livestock Gross Mar-

Marysville Livestock Sales

Every Thursday at 12 Noon

Bill Keesecker, Manager • 785-562-1015
1180 US Hwy. 77, P. O. Box 67, Marysville, KS 66508

PLEASE VISIT OUR WEB SITE TO SEE OUR LATEST DETAILED MARKET REPORTS AND UPCOMING CONSIGNMENTS AND SPECIAL SALES: www.marysvillivelivestock.com

STEERS/BULLS

300-400#	\$211.50-\$172.00	HOLSTEINS	\$78.00-\$40.00
400-500#	\$210.00-\$152.00		\$90.00-\$40.00
500-600#	\$183.00-\$151.00		\$88.00-\$46.00
600-700#	\$173.00-\$136.00		\$79.00-\$56.00
700-800#	\$156.00-\$132.00		\$84.00-\$56.10
800-900#	\$144.00-\$122.00		\$75.00-\$56.50
900-1,000#	\$138.00-\$120.00		\$74.00-\$65.00

HEIFERS

300-400#	\$190.00-\$160.00
400-500#	\$183.00-\$129.00
500-600#	\$168.00-\$124.00
600-700#	\$152.00-\$120.00
700-800#	\$138.50-\$116.00
800-900#	\$129.00-\$102.00

FIELDMEN

Jim Dalinghaus 785-799-5643 Baileyville, KS	Dave Bures, Auctioneer 402-239-9717 Odell, Nebraska Barn Phone • 785-562-1015	Jeff Cook 785-564-2173 Hanover, KS	Greg Anderson 785-747-8170 Waterville, KS	Trevor Lundberg 785-770-2271 Frankfort, KS	Taylor Schotte 785-268-0430 Marysville, KS
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Market Report for 4-4-2019.
1,580 HEAD SOLD

HFRETRES
N/A

COWS-HIGH YIELDING
1810#-1160# \$71.50-\$54.00

COWS-LGT WT & LOW YIELDING
1950#-995# \$52.50-\$30.00

BULLS
2295#-1300# \$85.00-\$66.00

Kansas hog inventory down one percent

Kansas inventory of all hogs and pigs on March 1, 2019, was 2.04 million head, according to the USDA's National Agricultural Statistics Service. This was down 1 percent from March 1, 2018, and down slightly from December 1, 2018.

Breeding hog inventory, at 170,000 head, was up 6 percent from March 1, 2018, but unchanged from last quarter. Market hog inventory, at 1.87 million head, was down 2 percent from last year, and down 1 percent from last quarter.

The December 2018-February 2019 Kansas pig crop, at 912,000 head, was up 13 percent from 2018. Sows farrowed during the period totaled 86,000 head, up 9 percent from last year.

The average pigs saved per litter was 10.60 for the December-February period, compared to 10.20 last year.

Kansas hog producers intend to farrow 85,000 sows during the March-May 2019 quarter, up 12 percent from the actual farrowings during the same period a year ago. Intended farrowings for June-August 2019 are 87,000 sows, unchanged from the actual farrowings during the same period a year ago.

KEY FEEDS CATTLE MINERAL SALE: Buy 20 bags and get 1 bag free!

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

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

Choose any of the following additives:

- Chlortetracycline • Zinpro Availa 4 chelated trace minerals • MOS
- 3 choices of fly control:
- Altosid, Justify or Rabon • Cinnagar • Bovatec or Rumensin

One ton minimum order for bags or 2 tons minimum order for bulk. Delivery is available.

Fourth & Pomeroy Associates, Inc.

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Joseph Ebert, VP

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 Byron Thoreson • 785-630-0161
 Rod Bohn, GM • 785-630-0846

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

****LAND FOR SALE****

320 ACRES * PASTURE * LIVE WATER * GOOD HUNTING
 LOCATED EAST OF HAMILTON \$1600/ACRE

320 ACRES * EXCELLENT SCENIC FLINT HILLS PASTURE
 LOCATED WEST OF MADISON \$1875/ACRE

240 ACRES * CROSS FENCED NATIVE & COOL SEASON GRASS
 LOCATED SOUTH OF HAMILTON \$1550/ACRE

300 ACRES * ALL PASTURE WITH PONDS & WET WEATHER DRAW
 LOCATED SOUTHWEST OF EUREKA \$1800/ACRE

80 ACRES * NATIVE, ALFALFA, AND COOL SEASON GRASS
 LOCATED SOUTH OF HAMILTON \$1600/ACRE

160 ACRES * NATIVE * GRAZE OR HAY * LIVE WATER * NICE PONDS
 LOCATED WEST OF HAMILTON \$1850/ACRE

SUNDGREN AUCTION & REALTY
 JEREMY SUNDGREN 316-377-0013 • www.sundgren.com

JC LIVESTOCK SALES INC.

Wednesday Sale, Hogs NOON • Cattle 12:30 PM

Report from April 3rd, 2019

STEERS	29	482	153.75		
6	377	194.50	7	578	152.50
2	443	190.00	10	591	148.75
5	524	188.75	14	608	145.50
7	569	180.50	15	716	133.00
7	599	176.25	64	750	129.00
71	578	175.00	65	746	129.00
60	622	170.00	13	855	126.75
13	662	166.50	24	768	125.50
24	700	155.25			
21	757	149.00			
15	863	135.00			
13	870	132.25			
9	892	129.50			
40	850	128.25			
HEIFERS	3	290	157.00		
2	418	156.00			

TOP BUTCHER COW:
\$69.00 @ 1,670 lbs.

TOP BUTCHER BULL:
\$81.50 @ 2,075 lbs.

BRED COWS: \$740.00
PAIRS: \$950.00
FAT HOG TOP: NO TEST

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

Report from April 2nd, 2019

STEERS	33	548	146.00		
1	290	193.00	3	583	145.50
6	398	190.00	8	615	142.00
3	473	188.50	3	658	138.50
18	466	180.50	27	755	126.50
10	541	173.00	59	870	125.00
13	617	171.50	2	968	109.00
5	657	170.00			
5	665	167.00			
2	720	152.50			
67	836	136.50			
6	998	120.50			

TOP BUTCHER COW:
\$70.00 @ 1,850 LBS.

TOP BUTCHER BULL:
\$76.50 @ 2,040 LBS.

HEIFERS

6	341	160.50
12	456	159.00
31	547	152.75
15	565	149.00

BRED COWS: NO TEST
PAIRS: NO TEST

CONSIGNMENTS FOR APRIL 10

70 Ang X str & hfrs.....400-600 lbs
 34 Ang X str & hfrs.....400-600 lbs
 30 blk X str & hfrs800-825 lbs
PLUS MORE BY SALE DAY!

EARLY CONSIGNMENTS FOR MAY 1

40 Fall bred Ang X cows.....4-8 yrs old
PLUS MORE BY SALE DAY!

Special Exotic Animal Sale

Saturday, April 13th
\$5 Admission Fee • 9 a.m. Start Time

JUNCTION CITY, KANSAS • Barn Phone 785-238-1471
 Seth Lauer 785-949-2285, Abilene

Clay Center, Ks • Barn Phone 785-632-5566
 Clay Center Field Representatives:
 Tom Koch, 785-243-5124
 Lance Lagasse, 785-262-1185

KARL LANGVARDT
 Cell: 785-499-2945

MITCH LANGVARDT
 Cell: 785-761-5814

LYNN LANGVARDT
 Cell: 785-761-5813

EMPORIA LIVESTOCK SALE CO.

Bonded & Insured

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

Date: 4/3/19. Total Head Count: 631.
COWS: \$55-63.50; \$44-\$54.75; \$43 & down.
BULLS: \$74-77.00 light test.

BULLCALVES	60 mix.....866@124.00	STEERS	10 mix.....381@198.00
6 mix.....357@207.00	7 blk.....869@124.00	3 blkbwf.....393@198.00	4 wf.....323@187.50
BRED COWS	3 blk.....1228@925.00	3 blk.....390@145.00	3 blk.....323@187.50
3 blk.....1310@940.00	3 blkbwf.....385@168.00	5 blk.....456@175.00	3 blk.....390@145.00
HEIFERS	3 blkbwf.....385@168.00	5 blk.....456@175.00	9 mix.....484@171.00
3 blkbwf.....385@168.00	3 blk.....390@145.00	4 mix.....453@161.00	4 mix.....487@157.00
6 blk.....359@160.00	5 blk.....456@175.00	4 mix.....453@161.00	9 mix.....487@157.00
9 red.....462@171.00	9 mix.....484@171.00	3 mix.....468@143.00	4 mix.....489@112.00
4 mix.....466@167.00	4 mix.....489@112.00	4 blk.....446@141.00	6 red.....508@185.00
3 mix.....468@143.00	14 mix.....555@178.00	15 mix.....484@141.00	14 mix.....555@178.00
4 blk.....446@141.00	41 mix.....596@174.00	4 blk.....489@141.00	5 blk.....596@174.00
15 mix.....484@141.00	5 blk.....596@174.00	3 mix.....415@106.00	4 blk.....611@164.00
4 blk.....489@141.00	3 blk.....537@171.00	7 blkbwf.....558@156.00	21 mix.....648@164.00
3 mix.....415@106.00	3 mix.....590@161.00	7 mix.....582@151.00	6 blk.....618@160.00
7 blkbwf.....558@156.00	9 red.....605@174.00	3 mix.....510@149.00	3 blk.....695@149.00
7 mix.....582@151.00	3 blkbwf.....607@164.00	6 mix.....591@146.50	13 blk.....643@152.00
3 mix.....510@149.00	4 blk.....611@164.00	4 mix.....574@139.00	3 red.....627@151.00
6 mix.....591@146.50	21 mix.....648@164.00	4 blk.....523@132.00	4 mix.....630@126.00
4 mix.....574@139.00	6 blk.....618@160.00	4 blk.....523@132.00	8 red.....615@155.00
4 blk.....523@132.00	3 blk.....695@149.00	8 red.....615@155.00	3 mix.....628@136.00
8 red.....615@155.00	3 blk.....695@149.00	6 mix.....607@154.00	3 blk.....628@136.00
6 mix.....607@154.00	9 red.....605@174.00	13 blk.....643@152.00	8 red.....708@153.00
13 blk.....643@152.00	3 blkbwf.....607@164.00	3 red.....627@151.00	4 blk.....780@136.00
3 red.....627@151.00	4 blk.....611@164.00	4 mix.....630@126.00	3 blk.....797@126.50
4 mix.....630@126.00	21 mix.....648@164.00	68 mix.....797@126.50	3 blkbwf.....987@121.50
68 mix.....797@126.50	6 blk.....618@160.00	3 blk bred.....717@60.00	4 blkbwf.....1030@121.25
3 blk bred.....717@60.00	3 blk.....695@149.00		

CONSIGNMENTS FOR APRIL 10

• 45 blk str & hfrs, 30 days weaned, 450-650 lbs.
 • 40 blk str, weaned & 2 rds shots, 500-600 lbs.

THANK YOU FOR ALL OF YOUR CONTINUED SUPPORT!
 YOUR BUSINESS IS ALWAYS APPRECIATED!

For Cattle Appraisals Call:
 BRODY PEAK, 620-343-5107
 GLENN UNRUH, 620-341-0607
 LYLE WILLIAMS, Field Representative, 785-229-5457
 WIBW 580 - 6:45 A.M. Thurs; KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.
 To see more consignments go to: emporialivestock.com

CattleTrace shifts to Phase Two

The CattleTrace pilot project has three primary objectives – (1) develop a purpose-built infrastructure for disease traceability; (2) test the infrastructure; and (3) evaluate its economics at both the individual producer and industry-wide levels. For the past year, CattleTrace has focused almost entirely on developing the purpose-built infrastructure, including recruiting partners, installing readers and distributing tags.

While they will continue expanding the infrastructure both in Kansas and outside of the state, the focus is shifting to the second objective of testing the infrastructure. This “Phase Two” of CattleTrace includes evaluating the effectiveness of the data collected and the robustness of the CattleTrace database. For example, they have proven the ability to successfully transmit data to the CattleTrace database when calves are sighted, but now they are working to develop a series of robust queries to enable them to trace cattle movement in the event of a disease situation. CattleTrace hypothesized that they only need four data points (animal ID number, time, date and location of the readers) to conduct a trace-back or trace-forward on an animal in the event of a disease outbreak. The queries they are building will allow them to test this hypothesis and determine if those are the only necessary data points, or if others are required.

The first mock traces with the CattleTrace system will start in summer 2019, and they will share the results as they are evaluated.

K-State looking for farmers to participate in agricultural research

Some of the best agricultural innovations happen every day right in farmer’s fields.

That’s one reason why a Kansas State University scientist is putting out a call to the state’s producers who may want to participate in university-managed research.

“One of the most relevant goals of on-farm research is to take all of the pieces of information that we as researchers learn at K-State and try to connect that research with farmers,” said Ignacio Ciampitti, a farming systems specialist with K-State Research and Extension. “Specifically the end goal is to work with farmers, discuss ideas, get

questions from them, and try to get real time solutions.”

Ciampitti said that happens best when K-State researchers can conduct trials in Kansas farmer’s fields, during the growing season, and under a variety of conditions.

“One of the challenges we face as researchers is we work in small plots to investigate crop management practices, such as seeding rates in corn,” he said. “But when you’re trying to get the outcomes of this research to the farm, there is separation many times when farmers are looking for relevant data to their specific field operation.”

K-State’s Department of Agronomy is offering farmers

an opportunity to have university researchers conduct upcoming studies on their farms. Ciampitti said farmers can fill out a simple form online, and then will be contacted for further information.

“We are here to help and we are looking for those that want to test new technologies and new practices,” Ciampitti said.

He noted that farmers who participate in university research decide what topic needs to be studied on their farm.

“That’s the beauty of the project,” Ciampitti said. “We sit down with the farmer, and find out what their questions are. So, for example, they may

have a question about whether they are utilizing the right seeding rate, or should they cut back or add more seeds.

We can tackle these projects thanks to the support provided by Kansas Corn and Kansas Soybean on implementing on-farm research studies across Kansas.

“Our goal is to get information to the farmers, and that farmers understand that many of the recommendations and practices are site-specific; they change with each field.”

For more information on the K-State On-Farm Project, producers may contact their local Extension agent, or call Ciampitti at 785-532-6940.

Husker researchers develop livestock-monitoring technology

Livestock producers face a recurring challenge: watching animal behavior for signs of illness or injury.

An interdisciplinary team from the University of Nebraska-Lincoln has developed precision technology to help producers continuously monitor animals and use the resulting data to improve animal well-being.

The team includes Nebraska electrical and computer engineers Lance C. Pérez, Eric Psota and Mateusz Mittek, and animal scientists Ty Schmidt and Benny Mote, who developed the technology system using video footage of pigs.

The system processes video footage from livestock facilities — day and night — and applies machine learning, which uses statistical algorithms to help computer systems improve without being explicitly programmed. It identifies individual pigs and provides data about their daily activities, such as eating, drinking and movement.

Based on this data, the system can also estimate how much each pig weighs and how fast it is growing.

“Our system provides a

pattern of typical behavior,” said Psota, research assistant professor of electrical and computer engineering. “When an animal deviates from that pattern, then it may be an indicator that something’s wrong. It makes it easier to spot problems before they get too big to fix.”

The team created their system using deep learning networks, a form of machine learning with millions of coefficients and parameters. To identify pigs from all angles, the networks processed images large and small, rotated, skewed and otherwise transformed. The team uses ear tags to help with identification but aims to rely on unique physical characteristics such as ear shape, saving producers the added work of tagging.

Although the system has been developed to identify pigs, its algorithms can be used for other livestock, such as cattle, horses, goats and sheep.

“We want to make a tool that is available to the livestock producers,” said Schmidt, associate professor of animal science. “In a competitive agricultural market with rising

costs, producers are looking for solutions that streamline operations while enhancing the health and well-being of their animals.”

The team is pursuing further development with the help of NUtech Ventures, the university’s technology commercialization affiliate. NUtech has patented the technology and is exploring industry investment.

“NUtech provides a valuable service and opens us up to conversations with people outside the university,” Schmidt said. “We’re now looking for industry collaboration to help us advance this system.”

Detecting illness,

deciphering traits

The team recently received \$675,000 from the National Association of Pork Producers to fund two studies. In collaboration with Kansas State University, the first study will explore the technology’s ability to predict illness. The team plans to collect data from both healthy and immune-compromised pigs, training the system to distinguish early symptoms.

The second study will explore the lifespan of sows — female pigs of reproductive age — and traits that may be associated with longevity. The Nebraska team’s technology will track sows over time and identify changes in movement,

gait patterns and physical activity — data that may yield links between genetic background and longevity. It’s a connection that hasn’t been measured because there hasn’t previously been technology to do it, Schmidt said.

“Could we make more informed management decisions

— identifying optimal genetic lines that are healthier, more efficient or less aggressive?” Schmidt said. “Can we identify a sick pig, days ahead of when symptoms are visible to the producer? In both of these studies, we’re looking to push the boundaries of what we’ve already created.”

Angus announces *Losing Ground* — urban sprawl documentary

The American Angus Association is proud to present the first film to expose the impact of urban sprawl on American agriculture — *Losing Ground*.

The film premieres on national television May 27, 2019, on RFD-TV.

Losing Ground will be released on YouTube after the broadcast. Subscribe to “Angus TV” to see the film: www.Angus.org/AngusTV.

Tell them you saw it in Grass & Grain!

BELLEVILLE 81 LIVESTOCK SALES

Junction Hwys 36 & 81 Belleville, Kansas

CATTLE SALES EVERY FRIDAY • 9:30 AM

FRIDAY, APRIL 12

FALL CALF-FEEDER SALE:

A lot of Packages of Fall Calves & Feeders Coming IF weather permits and not much rain.

SPECIAL GOOD FRIDAY SALE, APRIL 19:

25 blk cows w/blk calves; 12 blk red cows w/200 lb. calves; 60 blk hfrs w/blk AI calves; 20 blkw/blk hfrs w/blkw/blk AI calves; 40 Red Angus hfrs w/Red AI calves; 20 blk cows, 3-5 yrs, calving now; 50 blk red cows, 3-8 yrs w/blk-red calves; 50 blk red cows, 2-8 yrs, bred Mill Creek Hereford or Rockin H Angus, calves start August 1; 5 blk hfrs, bred; 15 blk cows, bred blk, fall calf; PLUS MANY MORE! All of these cattle are very nice and coming from Reputation Herds. No Trader Cattle. Buy with Confidence. DON'T MISS THIS QUALITY SALE!

Auctioneer Ethan Schuette 785-541-1027 • 785-527-2258
Fieldman Brad Gilliam, Washington, KS • 785-747-7580

For Market Reports, and Early Listings
Website: Belleville81.com
Barry & Angii Kort, Owners • 785-527-2258
Thanks for your business!

SPECIAL STOCK COW SALE

Anderson County Sales Co., LLC
Garnett, Kansas
Friday, April 12th • 6:30pm

- 45 - Black 1st Calf Heifers, with black calves
- 20 - Black 1st Calf Heifers, with black calves
- 10 - Black 1st Calf Heifers, with black calves
- 10 - Mixed 1st Calf Heifers, with mixed calves
- 14 - Black Simm 1st Calf Heifers, with calves
- 150 - Black Cows, 6-BM yrs old, 20 with black calves balance 2nd & 3rd period
- 40 - Mixed Cows, 4-SS yrs old, 20 with WF & Char X calves, balance 3rd period
- 1 - Red Angus Bull, 14 months
- 1 - Angus Bull, 14 months
- 1 - Black Simm Bull, 14 month
- 2 - Purebred Angus Bulls, 18 months

Several More Consignments Expected
Call For Information
Ron Ratliff • 785-448-8200
Mark Weigand • 785-214-7162
Sale Day • 785-448-3811

Eureka Livestock Sale

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

Sale Every Thursday at 11:30 a.m. Sharp

Like Us On Facebook!

On Thursday, April 4 we had 922 head of cattle on a higher market.

STEER CALVES		HEIFER CALVES	
7 blk 414@175.00	15 bkgr1010@127.00	10 bkred 905@125.50	11 mix 423@145.00
12 blk 542@160.00	8 blk hfrs 498@144.00	7 blk 601@136.00	16 bkSim 687@144.00
STEERS		HEIFERS	
8 bkbfw 502@187.00	5 blkChr 488@143.00	6 Ang 472@173.00	14 bkbfw 722@138.50
3 blk 588@175.00	5 bkChr 532@142.50	7 Ang 485@169.00	10 blk 757@135.00
8 bkGry 594@173.00	7 blk 601@136.00	6 bkred 359@169.00	8 wf 693@132.50
10 bkChr 678@170.50	HEIFERS		8 bwfrfb 816@129.75
5 bkSim 579@167.50	6 Ang 472@173.00	6 Ang 485@169.00	10 bwfrfb 868@128.50
8 blk 691@165.00	7 Ang 485@169.00	6 bkred 359@169.00	4 blk 858@128.25
4 blk 594@161.25	63 bkred 476@168.00	7 blk 473@162.50	8 bkGry 758@125.50
9 bkGry 705@159.00	7 blk 473@162.50	BULL CALVES	
6 Chr 690@156.50	6 bkbfw 436@160.00	6 blk 447@172.50	
8 bkred 749@155.50	14 bkred 540@159.50	BULLS	
9 bkred 721@152.00	12 bkred 583@158.00	5 blk 426@166.00	
12 bkbfw 810@150.00	3 blk 660@153.00	8 bkChr 529@155.00	
5 bkbfw 844@146.00	9 blk 672@150.50	6 blk 586@150.25	
11 bwfrfb 839@144.25	10 bkred 675@149.50	7 blk 393@150.00	
6 bkGry 877@137.00	4 bwf 686@146.50	5 blk 716@135.00	
9 bkred 923@135.00	3 blk 572@145.25		

Butcher Cows: \$33-\$68, mostly \$50-\$62, steady to \$2 higher.
Butcher Bulls: \$65-\$88, mostly \$75-\$81, steady to \$2 higher.
Preg Cows: \$600-\$1,250. Pairs: \$1,050-\$1,900.

BUTCHER COWS		BUTCHER BULLS	
1 rfb 1575@66.00	1 Brown 1560@60.00	1 blk 1665@88.00	
1 blk 1515@65.00	1 blk 2155@86.00	1 blk 1605@81.50	
3 blk 1493@63.00	1 blk 1340@81.50	1 blk 1945@78.50	
1 blk 1655@62.00			
2 blk 1488@62.00			
2 blk 1540@61.00			

EARLY CONSIGNMENTS FOR APRIL 11

- 100 Angus & bwf, few rfb hfrs, 700-825 lbs, open, home raised, no implants, replacement quality, running out.
- 70 mostly blk hfrs, 700-750 lbs, open.
- 60 blk red str & hfrs, 400-600 lbs, home raised, weaned & vac.

Several cattle pending!

We appreciate your business!

Ron Ervin - Owner-Manager
Home Phone - 620-583-5385
Mobile Cell 620-750-0123

Austin Evenson - Fieldman
Mobile Cell 620-750-0222

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

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

www.centrallivestockks.com

Office: 620-662-3371
or Matt Hoffman (Owner): 620-727-0913

Hay Auction- Every Tuesday at 9:00 a.m.
Cattle Auction- Every Tuesday at 10:00 a.m.
Hog/Sheep/Goat Auction- Every 3rd Saturday
Horse/Tack Auction- Every 1st Saturday

Tues., April 23rd - Holstein Special
Sat., May 4th - Catalog Horse Sale
Tues., May 14th - Calf/Yearling Special

EL DORADO LIVESTOCK AUCTION, INC.

316-320-3212
Fax: 316-320-7159
2595 SE Highway 54, P.O. Box 622,
El Dorado, KS 67042

Market Report - Sale Date 4-4-19. 1,158 Head.

Trend on Calves: Steady with last week on light test due to Stock Cow Sale. Trend on Feeder Cattle: Not enough for good test. Butcher Cows: High dressing cows: \$50-\$58; Avg. dressing cows: \$40-\$45; Low dressing cows: \$20-\$40. Stock Cows: Bred Cows: \$625-\$1,600; Cow/Calf Pairs: \$1,075-\$2,575. Butcher Bulls: Avg. to high dressing bulls \$70-\$82.50. Trend on Cows & Bulls: steady to \$2 higher.

HIGHLIGHTS:
(15) 3-in-1 fall pairs \$2575 • (23) 3 yr. heavy bred cows \$1600
(5) mid age Fall 3-in-1 \$2275 • (21) 1st calf hfr pairs \$2050
(6) 1st calf hfr pairs \$2350

THURSDAY, APRIL 11 CONSIGNMENTS:

- 10 blk/bwf thin steers & heifers, 500 lbs.
- 90 mostly black steers & heifers, 700-800 lbs.
- 35 str & hfrs, weaned 30+ days & shots, 600-625 lbs.
- 25 str & hfrs, weaned 30 days & shots, 300-500 lbs.
- 70 mostly blk heifers, homeraised, 600-625 lbs.

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

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

To stay up to date on our latest announcements you can "Like" us on Facebook

Chris Locke (316) 320-1005 (H) (316) 322-0675 (M)	Steven Hamlin (602) 402-6008 (H) (620) 222-1199 (M)
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

Holton Livestock Exchange, Inc.

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

Livestock Auction every Tuesday at 12 NOON
Serving the Midwest Livestock Industry for 67 Years!

STARTING TIME: 12:00 NOON

MARKET REPORT FOR TUESDAY, APRIL 2, 2019
RECEIPTS: 1333 CATTLE
VIEW FULL RESULTS ON OUR WEBSITE.
(Several consignments of non-weaned fleshy calves on hand for this weeks auction)

STEERS		3 char hfrs	
2 blk str 397@200.00	4 blk hfrs 570@152.00	568@153.50	
3 rfw bwf str 455@192.00	8 blk hfrs 485@149.00	485@149.00	
4 blk bbf males 333@190.00	8 rfw blk hfrs 526@146.00	526@146.00	
4 bwf rfw males 430@190.00	5 blk bwf hfrs 597@144.00	597@144.00	
12 blk str 521@186.00	8 blk hfrs 498@144.00	498@144.00	
9 blk str 456@183.00	28 blk bwf hfrs 525@140.50	525@140.50	
5 blk gry str 466@178.00	43 blk bwf hfrs 616@140.50	616@140.50	
8 blk red str 458@173.50	8 blk hfrs 551@140.00	551@140.00	
11 blk red str 536@172.50	9 blk red hfrs 549@139.00	549@139.00	
19 blk str 596@172.50	22 blk hfrs 501@138.25	501@138.25	
6 blk str 635@170.00	12 blk bwf hfrs 653@133.25	653@133.25	
22 blk bwf str 598@170.00	10 blk hfrs 587@133.00	587@133.00	
15 blk bwf males 440@169.50	16 blk hfrs 545@132.00	545@132.00	
16 bwf rfw str 512@169.50	19 blk bwf hfrs 724@130.00	724@130.00	
7 red str 517@167.00	9 blk bwf hfrs 803@128.00	803@128.00	
7 blk str 615@160.00	9 blk hfrs 631@126.50	631@126.50	
6 blk bwf bulls 500@159.50	19 bwf rfw hfrs 872@120.50	872@120.50	
12 blk bwf str 454@159.50	10 blk bwf hfrs 965@120.00	965@120.00	
8 blk red str 683@159.00	5 rfw blk hfrs 999@118.50	999@118.50	
13 red blk str 600@155.00	COW/CALF PAIRS		
17 blk str 507@153.00	5 blk bwf prs 4-6yr1422@2,300.00		
13 blk str 613@152.00	4 blk bwf prs 5-6yr1458@2,000.00		
14 blk red str 656@151.50	3 blk pairs 1-2 yr 998@1,875.00		
14 blk str 711@149.50	4 blk pairs 8yr 1478@1,825.00		
11 blk str 579@144.00	5 blk rfw pairs 7yr 1469@1,825.00		
43 blk bwf str 848@137.50	5 blk red pairs 8yr 1549@1,775.00		
9 blk str 841@134.50	3 blk pairs 8yr 1595@1,700.00		
24 bwf rfw str 932@126.00	6 blk pairs SS 1467@1,500.00		
HEIFERS		2 blk pairs 8yr 1467@1,450.00	
3 bwf rfw hfr 450@165.00	3 blk pairs A 1618@1,250.00		

Dan Harris, Auctioneer & Owner • 785-364-7137
Danny Deters, Corning, Auct. & Field Rep • 785-868-2591
Dick Coppinger, Winchester, Field Rep. • 913-774-2415
Steve Aeschliman, Sabetha, Field Rep. • 785-284-2417
Larry Matzke, Wheaton, Field Rep. • 785-268-0225
Craig Wischropp, Horton, Field Rep. • 785-547-5419
Barn Phone • 785-364-4114

WEBSITE: www.holtonlivestock.com
EMAIL: dan@holtonlivestock.com

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Schwieterman Market Outlook

A marketing commentary by Bret Crotts

Tuesday the 9th we will have the April supply and demand report, which probably won't be very interesting. Since the Quarterly Stocks figure for the corn was quite a bit above expectations, there are some analysts that look for a higher ending stocks estimate, but there just isn't a very great

correlation between mid-year stocks figures and adjustments to the supply and demand tables. On the other hand, there isn't going to be anything bullish for the corn, wheat, or soybeans to report, so I suspect that the whole report will be quickly forgotten. The real excitement won't

come until the May supply and demand report when we get the first looks at the new crop numbers. We will also start seeing Planting Progress figures, but it is too early to worry about planting delays. The forecasts for the bulk of the Corn Belt calls for above normal precipitation, so plant-

ing delays, along with flooding, may become an issue at some point.

We need something bullish to talk about and it appears that lower corn acreage caused by the weather is the best bet. We keep getting teased by ideas that trade talks with the Chinese are going to wrap up soon, but the can keeps getting kicked down the road. Trump says that farmers will be "very happy" once everything is resolved, but with no solid time frame for resolution, there's no reason to get excited.

There was little improvement in the technical outlook on the charts. The corn, wheat, and beans are all trending lower. We saw rally attempts in all the markets, but the rallies were quashed by having no deal with the Chinese. Unless traders get excited about the weather, it looks like we should plan on the month of April being sideways and dull.

The cattle market probably won't be dull. The combina-

tion of lower carcass weights and strong demand has been very helpful. When you throw in the strength in the hog market and the potential for great demand from the Chinese because of African Swine Fever, you can start to get very bullish. We are still dealing with large numbers of cattle on feed, so enthusiasm needs to be tempered somewhat, but it just doesn't seem like there is a threat of a protracted bear market very soon. Until the June live cattle fall below \$117.90, I wouldn't be overly concerned about the live cattle market.

I haven't talked about Bitcoin for a long time, but last week it jumped about \$1000, or 25%. Bitcoin is going to rally just in time to be delisted by the CME. Legitimizing Bitcoin killed it; perhaps it is ready to wake up again now that trading is going back to the Wild West.

Schwieterman Marketing, L.L.C. specializes in risk man-

agement 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.

Grass & Grain Weather Report April 10, 2019

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook																																
WEDNESDAY Chance T-storms High: 71 Low: 41 THURSDAY Mostly Cloudy High: 66 Low: 36 FRIDAY Mostly Cloudy High: 62 Low: 32 SATURDAY Scattered Rain High: 57 Low: 27 SUNDAY Mostly Cloudy High: 55 Low: 25 MONDAY Sunny High: 58 Low: 28 TUESDAY Partly Cloudy High: 68 Low: 57	Today we will see mostly cloudy skies with a 30% chance of showers and thunderstorms, high temperature of 71°, humidity of 50%. South wind 13 to 17 mph. The record high temperature for today is 81° set in 2006. Last Week's Almanac <table border="1"> <thead> <tr> <th>Date</th> <th>H/L</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr><td>3/29</td><td>47/43</td><td>62/35</td><td>0.00"</td></tr> <tr><td>3/30</td><td>49/35</td><td>62/35</td><td>0.00"</td></tr> <tr><td>3/31</td><td>53/27</td><td>62/36</td><td>0.00"</td></tr> <tr><td>4/1</td><td>63/32</td><td>63/36</td><td>0.00"</td></tr> <tr><td>4/2</td><td>61/40</td><td>63/36</td><td>0.00"</td></tr> <tr><td>4/3</td><td>71/51</td><td>63/37</td><td>0.00"</td></tr> <tr><td>4/4</td><td>68/54</td><td>64/37</td><td>0.00"</td></tr> </tbody> </table> Rainfall 0.00" Normal rainfall 0.38" Departure -0.38" Average temp 49.6° Average normal 49.4° Departure +0.2°	Date	H/L	Normals	Precip	3/29	47/43	62/35	0.00"	3/30	49/35	62/35	0.00"	3/31	53/27	62/36	0.00"	4/1	63/32	63/36	0.00"	4/2	61/40	63/36	0.00"	4/3	71/51	63/37	0.00"	4/4	68/54	64/37	0.00"	
Date	H/L	Normals	Precip																															
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4/3	71/51	63/37	0.00"																															
4/4	68/54	64/37	0.00"																															
Local UV Index 	Weather History April 10, 1935 - Severe dust storms across Iowa and Kansas closed schools and highways. Dodge City, Kan. experienced its worst dust storm of record, with dense dust reported from the morning of April 9 until after sunset on April 11.	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>3/29</td><td>0</td><td>4/2</td><td>0</td></tr> <tr><td>3/30</td><td>0</td><td>4/3</td><td>11</td></tr> <tr><td>3/31</td><td>0</td><td>4/4</td><td>11</td></tr> <tr><td>4/1</td><td>0</td><td></td><td></td></tr> </tbody> </table>	Date	Degree Days	Date	Degree Days	3/29	0	4/2	0	3/30	0	4/3	11	3/31	0	4/4	11	4/1	0														
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Prevent weed explosion – use sound grazing practices to reduce overgrazing and weeds

By Linda Geist, MU Extension
Weed problems may explode this year thanks to the drought of 2018 and residual problems associated with overgrazing in parched pastures, says University of Missouri (MU) Extension agronomist Valerie Tate.

Last year's extreme weather conditions created a forage shortage. As a result, many pastures were overgrazed.

When pastures are overgrazed, there is little green leaf material left to make sugars for plant growth, says Tate. When more than half of the above-ground plant material is removed, root growth slows or even stops. Weakened root systems reduce the ability to take up water and nutrients.

"Overgrazed pastures provide an opportunity for weeds to fill in the open spaces left when the forage is grazed short and plant roots are stunted," Tate says.

A cooperative program between Natural Resources Conservation Services and MU Extension provides forage and livestock producers an opportunity to get technical help to design grazing plans that give pastures periods of rest. These rest periods make pastures stronger and healthier.

Well-rested pastures let more water into the soil and allow plants to have more vigorous root systems. Deep root systems and large carbohydrate stores help forages resist environmental stresses such as drought.

Proper soil fertility also helps reduce the encroachment of weeds in pastures. Over-

a two-year period, MU Extension weed scientist Kevin Bradley and his students surveyed 46 Missouri sites every two weeks from April through October.

They found that 80% of the pastures surveyed showed low or very low soil phosphorus (P) levels. Thirty-seven percent presented low or very low soil potassium (K) levels. Soil pH averaged 5.8. When pH increased by one unit, total weed density shrank by more than 4,000 weeds per acre. Common ragweed and lanceleaf ragweed dramatically decreased when pH increased. Yellow foxtail also fell significantly.

If annual weeds like ragweed and foxtail are problems in pastures and hayfields, improving pH, phosphorus and potassium levels may be more beneficial than controlling weeds with herbicides, says Tate. Perennial weeds like horsenettle and ironweed are more effectively controlled with herbicides.

For more information, contact your local Extension agronomist or go to NRCS-GrasslandsProject.missouri.edu.

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Tuesdays

We sold 2650 cattle April 2. We had a very good run of home raised cattle. There was good demand for steer and heifer calves, which sold \$5.00-10.00 higher. Feeder steers and heifers were steady to \$4.00 higher. Cows and bulls sold at steady prices.

STEER & BULL CALVES		HEIFER CALVES	
12 blk/bwf str	313 @ 216.00	3 blk str	588 @ 183.00
4 blk str	319 @ 208.00	51 blk str	603 @ 180.00
14 blk str	381 @ 207.00	21 blk/bwf str	641 @ 174.50
26 blk/char str	411 @ 206.00	6 blk str	567 @ 172.00
7 blk str	510 @ 198.50	9 x-bred str	612 @ 169.00
4 blk str	403 @ 198.00	14 blk str	648 @ 163.00
7 blk str	466 @ 194.00	8 blk/bwf str	670 @ 163.00
8 blk/bwf str	516 @ 192.50	5 bwf/char str	576 @ 160.00
6 blk/bwf str	527 @ 192.00	60 blk/bwf str	708 @ 158.00
9 blk/bwf str	443 @ 191.00	55 blk str	695 @ 155.25
4 blk/bwf str	534 @ 189.00	11 blk str	715 @ 153.50
6 blk str	456 @ 188.00	12 blk/bwf str	750 @ 152.50
4 blk str	378 @ 186.00	130 blk/bwf str	805 @ 152.00
6 blk/bwf str	440 @ 185.00	8 blk/bwf str	660 @ 151.00
43 blk str	481 @ 184.50	11 blk str	778 @ 147.50
9 blk/bwf str	500 @ 184.50	65 blk/red str	813 @ 140.75
4 blk/bwf str	444 @ 183.00	61 blk/char str	871 @ 136.10
15 blk str	499 @ 183.00	42 blk/red str	884 @ 135.85
7 blk/red str	454 @ 182.50	61 blk/char str	877 @ 135.25
10 blk str	476 @ 180.00	63 mix str	845 @ 134.85
3 blk/bwf bulls	420 @ 179.00	63 blk/bwf str	880 @ 134.50
3 blk/bwf bulls	542 @ 179.00	55 blk/bwf str	889 @ 134.00
5 blk str	519 @ 177.00	15 blk str	915 @ 133.25
26 blk/bwf str	533 @ 175.00	14 blk str	928 @ 133.25
6 blk/bwf str	533 @ 175.00	59 mix str	946 @ 130.85
6 blk bulls	446 @ 169.00	17 char str	939 @ 128.00
10 blk/bwf bulls	524 @ 169.00	62 blk/bwf str	944 @ 126.00
		15 char str	1055 @ 115.00

STOCKER & FEEDER STEERS		STOCKER & FEEDER HEIFERS	
3 blk str	555 @ 192.00	17 blk hfr	555 @ 161.50
6 blk str	568 @ 190.00	26 mix hfr	581 @ 155.00
10 blk/bwf str	564 @ 187.00	55 blk/bwf hfr	582 @ 153.50
9 blk/bwf str	566 @ 186.00	14 blk hfr	642 @ 146.00
4 blk/bwf str	598 @ 185.00	25 mix hfr	641 @ 144.00
3 blk/bwf str	573 @ 184.00	11 blk/red hfr	638 @ 140.00
		75 blk/bwf hfr	678 @ 138.50
		6 blk hfr	704 @ 135.00
		14 blk hfr	681 @ 133.00
		61 blk/bwf hfr	793 @ 131.25
		18 blk/red hfr	678 @ 131.00
		67 blk hfr	758 @ 130.75
		61 blk/bwf hfr	828 @ 129.00
		118 mix hfr	796 @ 128.00
		23 blk/bwf hfr	779 @ 127.00

COWS & HEIFERETTES		BULLS	
1 blk hfrt	1085 @ 91.00	1 blk cow	@ 900.00
3 char hfrts	1010 @ 90.00	1 limo cow	@ 750.00
1 blk hfrt	950 @ 80.00	1 blk cow	@ 685.00
1 blk cow	1380 @ 57.00		
1 blk cow	1295 @ 56.50		
1 x-bred cow	1180 @ 56.00		
1 blk cow	1575 @ 55.00		
1 blk cow	1440 @ 54.50		
1 bwf cow	1265 @ 54.00		
1 wf cow	1265 @ 53.50		
1 blk cow	1445 @ 53.00		
2 blk cows	1678 @ 52.50		
1 blk cow	1785 @ 52.00		
3 blk/bwf cows	1638 @ 51.50		
1 blk cow	1335 @ 51.00		
1 blk cow	1320 @ 50.50		
3 blk cows	1607 @ 50.00		
1 wf cow	1290 @ 49.50		
1 blk cow	1655 @ 49.00		
1 wf cow	1475 @ 48.50		
1 sim cow	1325 @ 48.00		
1 blk cow	1175 @ 47.50		
2 blk cows	1418 @ 47.00		
1 wf cow	1225 @ 46.50		
1 blk cow	1275 @ 46.00		
1 wf cow	1345 @ 45.50		
1 blk cow	1370 @ 45.00		
1 char cow	1040 @ 44.50		
1 wf cow	1110 @ 43.50		
1 gelb cow	1300 @ 43.00		

CONSIGNMENTS FOR APRIL 9:

- 39 blk str & hfrs, 450-500 lbs., weaned, vacc.
- 62 Angus steers & heifers, 450-550 lbs., weaned, vacc.
- 65 Angus steers & heifers, 675-700 lbs., weaned, vacc.
- 35 Angus steers & heifers, 500-600 lbs., weaned, vacc.
- 130 blk red baldy str & hfrs, 650-800 lbs.
- 62 Angus steers, 775-800 lbs.
- 122 blk str, 850-900 lbs., Northern origin
- 61 blk crossbred steers, 900-925 lbs.
- 65 black Charolais heifers, 800-850 lbs.
- 60 black Charolais heifers, 850-900 lbs.
- 40 black Charolais heifers, 675-700 lbs.
- 42 CharAngus cows, 4-8 yrs old with February-March calves sired AngusChar bull, all homeraised

CONSIGNMENTS FOR APRIL 16:

HERD DISPERSAL:

- 12 blk 1st calf heifers, some babies, rest heavy springers
- 18 blk 2nd calf heifers, some babies, rest heavy springers
- 20 blk cows, 5 yrs, short & solid, some pairs, rest heavy springers

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

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

FOR INFORMATION OR ESTIMATES:
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 DENNIS REZAC ST. MARYS, 785-437-6349 LYNN REZAC ST. MARYS, 785-456-4943
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Livestock Commission
Company, Inc.

St. Marys, Ks.