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Troy Novak, Munden, Kansas, 785-987-5372
Clerk: Scott Clerking, Belleville, Ks.

NASS reports on farm labor on Northern Plains

In the Northern Plains Region (Kansas, Nebraska, North Dakota, and South Dakota) there were 37,000 workers hired directly by farm operators on farms and ranches during the week of July 12-18, 2015, up 3 percent from the July 2014 reference

week, according to USDA's National Agricultural Statistics Service. Workers numbered 40,000 during the week of October 11-17, 2015, up 11 percent from the October 2014 reference week. Farm operators in the Northern Plains Region

paid their hired workers an average wage of \$13.96 per hour during the July 2015 reference week, down 1 percent from the July 2014 reference week. Field workers received an average of \$13.66 per hour, down 43 cents. Livestock workers earned \$13.31 per hour, up 32 cents. The field and livestock worker combined wage rate at \$13.50, was down 15 cents from the 2014 reference week. Hired laborers worked an average of 39.6 hours during the July 2015 reference week, compared with 40.9 hours worked during the July 2014 reference week.

Farm operators paid their hired workers an average wage of \$14.72 per hour during the October 2015 reference week, up 1 percent from the October 2014 reference week. Field workers received an average of \$14.59 per hour, up 4 cents. Livestock workers earned \$13.86 per hour compared with \$13.17 a year earlier. The field and livestock worker combined wage rate, at \$14.30, was up 25 cents from the October 2014 reference week. Hired laborers worked an average of 41.0 hours during the October 2015 reference week, compared with 43.5 hours worked during the October 2014 reference week.



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For our sale Friday, Nov. 20 the market on all classes of steers & heifers sold steady to higher with the most advance on the cattle that were weaned and that had preweaning shots. Cull cows and bulls sold \$4 to \$5 lower with many low dressing cows being offered.

**No Sale Friday, Nov. 27th due to Thanksgiving holiday.
From our family to yours a blessed and safe holiday.**

STEER CALVES — 425-550 LBS.

Florence	7 blk	463@233.00
Manhattan	6 blk	486@229.00
Manhattan	9 blk	491@224.00
Council Grove	14 Angus	515@223.00
Manhattan	27 blk	528@218.00
Leavenworth	6 blk	443@212.50
Council Grove	6 blk	530@211.00
Westmoreland	8 blk	541@210.00
Tonganoxie	11 xbred	497@200.00
Valley Falls	8 blk	535@199.50
Westmoreland	8 blk	535@185.00

FEEDER STEERS — 550-775 LBS.

Florence	7 blk	569@200.00
Manhattan	16 blk	575@199.00
Council Grove	27 Angus	605@195.00
Westmoreland	20 blk	642@191.75
Manhattan	13 blk	640@191.00
Alma	23 blk	640@190.50
Hoyt	27 blk	632@190.00
Linn	9 blk	625@187.00
Centralia	10 blk	574@186.75
White City	8 blk	606@186.00
Valley Falls	6 blk	655@185.50
Holton	13 Simm	588@182.00
Westmoreland	11 blk	635@178.75
Tonganoxie	7 xbred	622@176.00
Council Grove	12 Angus	700@174.75
Linn	16 blk	731@174.50
Frankfort	18 blk	672@174.50
Manhattan	8 blk	651@174.00
Westmoreland	11 blk	732@173.00
Allen	7 Hereford	651@173.00
Palmer	11 blk	710@172.00
White City	9 blk	725@172.00
Centralia	6 blk	676@171.50
Alma	13 blk	741@164.50
Hoyt	28 blk	767@164.00

HEIFER CALVES — 325-550 LBS.

Holton	7 blk	322@222.50
Tonganoxie	8 xbred	373@208.00
Council Grove	16 Angus	507@194.50
Westmoreland	15 blk	513@188.50
Valley Falls	8 blk	491@187.00
Leavenworth	7 blk	524@183.00
Tonganoxie	12 xbred	482@180.00
White City	7 blk	537@176.00
Centralia	10 blk	544@173.00

FEEDER HEIFERS — 550-825 LBS.

Westmoreland	6 blk	555@183.50
St. George	8 blk	619@183.25
Westmoreland	22 blk	633@182.50
White City	12 blk	623@182.00
Westmoreland	24 blk	595@181.50

Westmoreland	10 blk	574@181.50
Emporia	9 blk	642@176.25
Hoyt	8 blk	577@174.50
Linn	7 blk	662@174.00
Frankfort	9 blk	561@172.50
Alma	13 blk	615@171.00
Frankfort	11 blk	651@169.50
Hoyt	30 blk	675@167.00
Westmoreland	12 bwf	550@166.00
Goff	8 blk	816@160.00

COWS & HEIFERETTES — 850-1,725 LBS.

Onaga	1 blk	1175@125.00
Council Grove	1 blk	930@124.00
Council Grove	1 blk	945@120.00
Westmoreland	1 blk	1000@118.00
Council Grove	1 blk	870@118.00
Wetmore	1 blk	1345@114.00
Council Grove	1 blk	915@109.00
Onaga	1 bwf	1145@105.00
Onaga	1 blk	1080@99.00
Wetmore	1 blk	1600@98.00
	1 Hereford	1140@90.00
Onaga	1 blk	1245@89.00
Council Grove	1 blk	1065@88.00
Westmoreland	1 blk	1125@85.50
Wetmore	1 blk	1135@85.00
Manhattan	1 xbred	1700@84.50
Onaga	1 blk	1115@83.00
Manhattan	1 Hereford	1560@82.50
Westmoreland	1 blk	1525@81.00
Goff	1 blk	1305@81.00
Wetmore	1 blk	1725@81.00
Frankfort	2 bwf	1560@81.00
Frankfort	1 bwf	1570@81.00
Westmoreland	1 blk	1325@80.00
St. George	1 blk	1585@80.00
Westmoreland	1 blk	1315@80.00
Westmoreland	1 blk	1475@79.50
Onaga	1 blk	1145@79.00
Westmoreland	1 blk	1580@78.50
Burlingame	1 blk	1235@77.50
Westmoreland	1 blk	1270@77.00
St. George	1 blk	1600@77.00
Alma	1	1670@77.00
Wamego	1 blk	1190@76.50
Minneapolis	1 blk	1385@76.50
Westmoreland	1 blk	1490@76.50
Westmoreland	1 xbred	1210@76.50
Lincoln	1 blk	1225@76.50
Onaga	1 blk	1175@75.00
Manhattan	1 blk	1135@74.00
	1 blk	1345@73.00
Council Grove	1 blk	1300@73.00
Manhattan	1 blk	1475@72.50
Waterville	1	1480@72.50
Council Grove	1 blk	1535@72.00
Manhattan	1 bwf	1390@72.00
St. George	1 blk	1460@71.00
Waterville	1 blk	1110@71.00
Holton	1 blk	1335@70.00

Westmoreland	1 char	1465@69.00
St. George	1 blk	1400@69.00
Waterville	1 blk	1320@69.00
Waterville	1 blk	1235@67.00
Goff	1 blk	1025@65.00
Waterville	1 blk	1110@65.00
Dwight	1 blk	850@61.50

BULLS — 1,600-2,250 LBS.

St. Marys	1 blk	2145@94.50
Wetmore	1 blk	1780@93.00
Shawnee	1 blk	1700@90.00
Waterville	1 blk	2170@88.50
Council Grove	1 blk	1850@88.00
Alma	1 Herf	1910@85.50
Olsburg	1 blk	2240@85.50
Havensville	1 blk	1965@84.50
Council Grove	1 blk	1715@82.50
Manhattan	1 bwf	1600@82.50
Havensville	1 Herf	1985@80.50

**For our Special Cow Sale held Wed.,
Nov. 18, the young cows and heifers with
quality and type found the most interest.**

COW/CALF PAIRS

Holton	5 bwf	2	@3250.00
Seneca	16 blk	2	@3000.00
Tampa	9 blk	3-4	@3000.00
Delia	19 blk	4-5	@3000.00
Manhattan	8 blk	3-4	@2985.00
Tampa	10 blk	3-4	@2975.00
Manhattan	5 bwf	3-4	@2950.00
Tampa	10 blk	3-4	@2950.00
Manhattan	16 blk	3-4	@2900.00
Seneca	19 blk	2	@2900.00
Tampa	6 blk	3-4	@2900.00
Seneca	14 blk	2	@2800.00
Holton	20 blk	2	@2800.00
Junction City	7 blk	4-5	@2800.00
Holton	28 blk	2	@2750.00
Wilsey	5 blk	4-6	@2750.00
Holton	10 blk	4-5	@2600.00
Junction City	5 bwf	7-8	@2550.00
Corning	4 bwf	2-3	@2525.00
Wilsey	7 blk	SS	@2050.00
Minneapolis	5 bwf	SS	@2025.00
Minneapolis	4 xbred	8	@2000.00
Minneapolis	5 xbred	8	@1950.00
Mayetta	4 blk	BM	@1950.00
Minneapolis	8 blk	SS	@1925.00

COWS

	Age	Mo.	
Council Grove	12 blk	2	5-6 @2700.00
Council Grove	6 blk	5-6	7-8 @2550.00
Council Grove	19 blk	5-6	5-6 @2460.00
Council Grove	12 blk	5-6	5-6 @2450.00
Alma	6 blk	2	7 @2450.00
Council Grove	3 blk	3	8 @2300.00
Council Grove	8 blk	2-3	5-6 @2250.00
Longford	10 blk	3	5-6 @2225.00
Leavenworth	4 blk	2	5 @2200.00
Longford	7 blk	3	5 @2200.00

**EARLY CONSIGNMENTS
FRIDAY, DECEMBER 4:**

250 choice reputation blk & bwf str & hfrs, 60 days weaned, 2 complete rounds shots, Age & Source verified, 500-700 lbs.

75 choice reputation blk & bwf str & OCV hfrs, weaned 45 days, 550-650 lbs.

75 mostly blk str & hfrs, few Char, bunk broke, no implants, 650-750 lbs.

57 homeraised blk str, weaned 60 days, bunk broke, 2 rds shots, poured, 450-600 lbs.

**40 Angus str & hfrs, 500-650 lbs.
30 Angus str, 2 complete rounds shots, longtime weaned, 700-750 lbs.**

24 blk OCV hfrs, weaned 60 days, bunk broke, 2 rounds shots, poured, 450-600 lbs.

4 Holstein & 1 Jersey hfrs, bred to Jersey bull for Jan/Feb calves

**EARLY CONSIGNMENTS
FRIDAY, DECEMBER 11:**

45 blk & blk baldy str, 2 complete rounds shots, long weaned, 450-650 lbs.

★ SPECIAL STOCK COW & BRED HEIFER SALE, WEDNESDAYS DEC. 16 ★

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

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Kansas Hay Market Report

Hay trade slow spots moderate. Demand best for stock cow alfalfa and alfalfa pellets, moderate for dairy alfalfa and light for grinding alfalfa and grass hay. Fall harvest is winding down but continues as the weather allows. Supplemental feeding is picking up, and with the lower alfalfa prices many stockmen are using alfalfa instead of higher priced protein supplements. Many cattle are grazing crop residue and wheat pasture. The Kansas Forage and Grassland Council is having their annual Conference on December 15 in Manhattan; see their website for more information: www.ksfoc.org. If you have hay for sale or pasture to rent or need hay or grazing, use the services of the Hay and Pasture Exchange: www.kfb.org/commodities/haypasture/index.html

Southwest Kansas

Dairy and grinding alfalfa steady. Movement slow to moderate. Alfalfa, Horse, small squares 220.00-240.00. Dairy, .90-1.00/point RFV delivered, Supreme 170.00-185.00; Premium 155.00-180.00, Good 120.00-130.00. Stock or Dry Cow alfalfa, 100.00-120.00 mostly 100.00-110.00. Fair-Good grinding alfalfa, at the edge of the field 70.00-90.00. Ground and delivered locally to feedlots and dairies 105.00-125.00, mostly 105.00-110.00. The week of 11/9-14, 9,706T of grinding alfalfa and 1,200T of dairy alfalfa were delivered. Straw, Good, large bales 60.00-65.00 delivered. Corn stalks 50.00-55.00, ground and delivered 80.00-100.00. Cane or BMR Sudan,

Good large bales 60.00-65.00, 75.00 delivered.

South Central Kansas

Dairy and grinding alfalfa and alfalfa pellets steady. Movement moderate. Alfalfa: Dairy, .90-1.00/point RFV, Supreme, 170.00-200.00; Premium 160.00-185.00; Good, 120.00-140.00. Stock Cow alfalfa, 100.00-120.00. Fair-Good grinding alfalfa at the edge of the field 75.00-85.00; Utility-Fair 70.00-75.00. Ground and delivered locally to feedlots, 105.00-125.00, mostly 115.00. The week of 11/9-14, 4,880T of grinding alfalfa and 1,395T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 145.00-150.00, 17 pct protein 155.00-170.00; Dehydrated 17 pct 240.00. Straw, Good, large bales 55.00-65.00. Cane or BMR Sudan, Good large bales 60.00-65.00. Corn stalks 50.00-55.00.

Southeast Kansas

Alfalfa, brome and prairie hay steady. Movement slow. Alfalfa: Horse or Goat, mid squares 250.00; Dairy and Stock Cow 1.00 to 1.05/point RFV, Premium-Supreme 180.00-200.00. Bluestem: Good, small squares, 100.00-140.00, mid and large squares 70.00-90.00, mostly 70.00-75.00, large rounds 55.00-70.00, Fair, 50.00-55.00; Brome: Good, Small squares 120.00-145.00, mid and large squares 95.00-125.00, large rounds 60.00-70.00, fair 50.00-60.00.

Northwest Kansas

Dairy and Grinding alfalfa steady. Movement slow to spots moderate. Alfalfa: Horse, small squares, 250.00-300.00; Dairy Premium-Supreme .90-1.00/point RFV delivered; Stock cow, Fair-Good, 100.00-120.00. Fair, Grinding alfalfa at the edge of the field 70.00-90.00. Ground and delivered to feedlots and dairies 105.00-125.00.

North Central-Northeast Kansas

Dairy and grinding alfalfa and prairie hay and brome

steady. Movement slow. Alfalfa: Horse, 250.00-300.00, some 8.00-9.00/small square bale, delivered; Dairy, .90-1.00/point RFV, Supreme 175.00-210.00, Premium, 160.00-180.00; Stock Cow, Fair-Good, 120.00-130.00; Utility-Fair grinding alfalfa at the edge of the field, 70.00; Ground and delivered 105.00-120.00. Grass hay: Bluestem Good, small squares, 5.00/bale or 6.00/bale delivered, 100.00-130.00, Mid squares 70.00-90.00, mostly 70.00, large rounds 60.00-70.00, Fair, 50.00-60.00. Brome: Good, small squares, 6.00/bale, 120.00-145.00/T, Mid squares, 100.00-120.00, Good, large round, 25.00-50.00/bale, 60.00-70.00/T, mostly 60.00, Fair 50.00-60.00; Straw, Good, small squares 4.00/bale or 4.50/bale delivered, large square bales 55.00-75.00/T, large round 50.00-60.00. Sudan, Good large round 60.00-65.00.

***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 Dept of Ag-USDA Market News Service, Dodge City, Steve Hessman, Rich Hruska, OIC (620) 227-8881 www.ams.usda.gov/mnreports/DC_GR310.txt

The Kansas Hay Market Report is provided by the Kansas Department of Agriculture with technical oversight from the USDA Agricultural Marketing Service.

As beef prices fall, herd owners should check risk management

As risk managers, cattle producers lag behind corn growers. That is, if a show of hands by producers means anything.

At Extension meetings, Scott Brown, University of Missouri economist, asks beef producers if they think cattle prices will continue downward. Most hands shoot up.

When he asks if they have locked in current prices, which are still at historical

high levels, the response is far different.

At a "Women in Agriculture" meeting at the MU Beef Farm, no hands went up — indicating no risk protection.

That opens the talk on beef-herd risks and protections.

Brown points to record-setting returns for herd owners in 2014, when return went above \$500 per cow. That topped by five times

the previous-year returns. As recently as 2008 and 2009, returns over annual cash costs, including pasture rent, were below zero.

"Returns of over \$400 per cow for the last three years are phenomenal," Brown says. "Producers have never seen anything like this."

In spite of easing in calf prices, good prices can still be locked in.

Reasonable prices are still available for forward

pricing options. "Starting risk management can bring better nights' sleep," he adds.

Brown says herd owners have multiple ways to lock in prices.

With the oldest, farmers can forward contract cattle for future delivery.

Feeder calves or fed cattle can be hedged in the futures market.

The newest protection is insurance offered by the

Livestock Risk Protection program (LRP). Premiums are underwritten in part by the U.S. Department of Agriculture.

"It's like buying crop insurance," Brown says. "Agents who offer crop insurance often sell LRP. If they don't sell it, they will know who does."

Insurance can protect the entire calf crop, or part. Lowering protection levels lowers costs.

"Buying livestock insurance is like buying car or house insurance," Brown says. "You don't want to collect. It's a cost of staying in business."

A November trade report on crop marketing shows corn growers have sold 20 percent of their crop. Another 10 percent of corn is hedged, while 70 percent remains unprotected. That's for next year's 2016 crop, which isn't near planting time yet.

Corn farmers went through a record-price boom followed by drastic drops. Herd owners can learn from that. "Cattle producers can handle things differently going ahead," Brown says.

The MU economist points out many risks facing cattle prices that already trend lower.

Risks include a strong U.S. dollar that cuts foreign

trade, a possible drop in consumer demand, or lower-price pork and chicken might sway consumers away. Also, growing cattle supplies could cut beef prices.

Then there are disease risks such as mad cow, which halted U.S. beef exports and cut prices.

A current slowing of export sales means U.S. consumers have more beef to eat.

Profitable prices are still available for protection, Brown says. "Going forward I worry more about downside risks than upside potential."

Another long-term risk protection comes from improving the herd genetics, Brown says. Research in the cow herd at the MU Thompson Farm shows how new technology improves herd performance.

Timed artificial insemination results in higher quality and more uniform calf crops. Quality brings premium prices.

Brown points out that prices for higher USDA grade beef remain more stable than prices for lower grades. Reducing price volatility is risk management. "Invest in quality technology and be prepared for what is coming down the road," he says.

"Doing nothing is a strategy."



Jackson Wingert, Ottawa, exhibited the reserve grand champion and overall champion female at the 2015 Kansas State Fair. Jackson is a junior at Kansas State University. The show featured 89 entries from seven states and was held in Hutchinson. Wingert was the owner and breeder of the September 2013-born heifer. She is sired by SAV Bismarck 8906. Pictured are Shane Werk, Chelsie Figgee, Ryan Jackson, Morgan Woodbury, Justice Adams, Jason May, Heath Berkamp, Fred Wingert, Judge Lidell Meir, Melody McCurry, Mary McCurry, George Wingert, Sr., John McCurry, Aubrey McCurry and George Wingert, Jr.

Photo by Jeff Mafi, American Angus Association

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can Earthenware, depression glass dishware, Vintage 6 1/2 ft. Aluminum Christmas Tree, lots of material and old patterns, sewing notions, yarn, vintage radios, old cameras. Lots of furniture grade wood, furniture, Carnival Glass, Corningware, Tupperware, old typewriters, small kitchen appliances, 2 refrigerators, large chest freezer, Lawn Boy push mower, sprayers, yard tools, 2 chainsaws, ladder, hedge trimmer.

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TERMS: Property sells AS IS, WHERE IS. 10% non-refundable down payment is required day of sale by check. Buyers must be able to close on or before February 19, 2016. Buyer needs bank letter of loan approval or funds verification. Cost of Title Insurance and Closing Costs to be split equally between Buyer and Seller. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the Seller.

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Crossroads Real Estate & Auction LLC

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SATURDAY, DECEMBER 5 — 1:00 PM
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3 bedroom, 2 Bath, Basement attached garage. Close to fairgrounds.

REAL ESTATE TERMS: Property sells as is where is with no Guarantee's. Seller and Buyer to split closing costs 50/50. 2015 taxes will be prorated at closing. 10% of purchase price to be collected on sale day. Closing to occur on or before January 8, 2016. All statements made auction day take precedence over all previous printed materials. Auctioneer is representing the Seller.

PERSONAL PROPERTY
Floor lamp, couch, recliner, books, washer, dryer, butter crock, metal cart, desk, household items, pictures, Deco clock with candle sconces, wardrobe with 6 drawers, deco floor liquor bar with sliding top, ornate chair, buffet, two mirror dresser, full bed, round coffee table, vodka bottle with pour stand, Mossberg 12 gauge shotgun pump, dish set, red glass, creamer, glasses, salt and pepper shakers, Corningware, picture and glass set, wash stand, blankets, bedding, cactus outdoor statue, handicap equipment, wheelchair ramp, and much more.

TERMS: Cash or Good Check. Announcements made day of sale take precedence over previous printed material. Auction company and seller not responsible for accidents.

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K-State Lease Workshops to be hosted by Central Kansas Extension District

By Anthony N. Ruiz, Livestock Production Agent, Central Kansas District

The number one question I get asked as an extension agent is something like, "What is the average lease rate around here?" My answer is always the same, "It depends." Many factors affect the ultimate value agreed upon by both landlords and tenants.

concluding at noon cropland leases will be in the spotlight. Hands-on presentations and interactive discussions are planned. At promptly 1:00 p.m. Dr. Taylor will begin a workshop focusing on pasture leases that concludes around 3:00 p.m. Timing, verbal agreements, written contracts, and much more will be covered in this workshop.

Cost to attend these workshops is only \$10 per person if preregistered and \$15 if not preregistered. If you would like to attend both meetings the fee covers both events. No formal lunch or meal is planned, although the K-State Polytechnic Cafeteria is located in the same building as the workshops.

According to the National Agricultural Statistics Service Kansas has over 83,776 landlords renting out over 23.7 million acres of land. 15,405,000 acres are cropland and 7,821,000 are used for pasture. In the Central Kansas District we have no shortage of rented ground, landowners, and renters.

Understanding the differences, complexities, and nuances that ultimately affect rental agreements and lease rates is the goal of CKD's two upcoming workshops. On Wednesday, December 16, K-State Agricultural Economics specialist Dr. Mykel Taylor will present two separate events for all interested in learning more about leases. Both workshops will take place at K-State Polytechnic in Salina at the College Conference Center located at 2310 Centennial Road in Salina. Beginning at 9:00 a.m. and

THIS IS A WORK IN PROGRESS, ITEMS ARRIVING DAILY

ANNIE WILSON'S CONSIGNMENT AUCTION

SATURDAY, NOVEMBER 28, 2015 — 10:00 AM

601 South Broadway — SALINA, KANSAS
GUNS WILL SELL AT NOON WITH VEHICLES FOLLOWING ACCEPTING CONSIGNMENTS UNTIL WEDNESDAY, NOV 25, 2015
Sellers include: El Dorado National, ADM, PDQ Emergency Products, Salina Regional Hospital, Advance Auto Parts, Rolling Hills Zoo

GUNS: DPMS mod.A15 223 cal semi auto rifle w/4x16 BSA Contender scope; Stevens mod.887 22LR cal semi auto rifle; Marlin mod.17US 17HMR cal bolt action rifle has 3x9 Burris scope w/2 extra clips & sling; American Arms mod. Water Fowl Special 10ga side-by-side shotgun w/sling; Thompson / Center Arms 54 cal black powder rifle w/sling; Intratec mod.TEC-22 22 cal semi-auto hand gun; Rock Island mod.M5 12 ga pump shotgun; Stoeger mod.M3000 12 ga semi auto shotgun; Remington mod.10-A 12 ga pump shotgun; Winchester mod.69 22 cal bolt action rifle; Mossberg mod.702 22 cal semi auto rifle; Connecticut Valley Arms Hawken rifle 50 cal black powder; Ruger 22 cal semi auto pistol; FIE mod.E22 22 cal semi auto pistol; Stevens mod.77F 20 ga pump shotgun; Wards Western Field mod.33A 22 cal pump rifle; Savage mod.110E 270 Winchester cal bolt action rifle w/3x9 Bushnell scope & leather sling; Mossberg Maverick mod.88 12 ga pump shotgun; Rock Island Armory 12 ga pump shotgun; Enfield mod. British 303 cal bolt action rifle w/Leupold 3x9 scope; Ruger mod.P95DC 9mm semi auto pistol; Hy Score mod.109 22 shorts cal revolver; Ruger mod.LC9S 9mm cal semi auto pistol w/2 extra clips; Walther mod.P22 22LR cal semi auto pistol; Winchester mod.70 300 WIN MAG bolt action rifle w/Redfield 3x9 scope & camo sling; Rock Island mod.M1911 40 S&W cal semi auto pistol NIB; Webley & Scott mod. Kamando 12 ga pump tactical shotgun; Remington mod.11 16 ga semi auto shotgun; Remington mod.10 12 ga pump shotgun; Mossberg mod.500 20 ga pump shotgun pink camo; Springfield mod.1878 single shot rifle; Lorcin mod.L25 25ACP cal semi auto pistol; Raven Arms mod.MP-25 25ACP cal semi auto pistol; H. Weihrauch mod.HW357 357MAG cal revolver; H&R mod. Automatic 32 S&W cal revolver; Colt mod. Police Positive 32 Colt cal revolver; Colt mod. Official Police 38spc cal revolver; RG mod.RG-10 22 short cal revolver; Ruger mod.P95DC 9x19mm cal semi auto pistol; Taurus mod.PT92C 9x19mm cal semi auto pistol; ER FURT mod.P08 30 Luger cal semi auto pistol; ER FURT mod.P08 9mm Luger cal semi auto pistol; Jimenez mod.JA nine 9x19mm cal semi auto pistol; FIE mod.E-15 22LR cal revolver; High Point mod.4095 40S&W cal semi auto rifle w/TASCO 3x8 scope, sling & 2 extra clips; ACME Arms mod. Double Barrel Coach 12 ga shotgun; Amars ARB1 mod. side-by-side 10ga shotgun; Sovereign Arms mod.SM84 22LR cal rifle w/sling; Marlin mod.80 22LR cal bolt action rifle; Mauser mod.98 Custom 30-06 cal bot action rifle; Winchester mod.1200 12 ga pump shotgun; Hi-Point mod.995 9mm x 19 cal carbine w/sling & 3 clips; Heritage mod. Rough Rider 22 cal revolver.

CONTINUOUS FENCING, BUILDING TIN: (80) sections 20' x 4' 6-bar continuous fencing w/connectors; 14,000 sqft used tin - 26 gauge high rib tin - (40) 14' pcs, (84) 16' pcs, (100) 30' pcs.
SADDLES, TACK: (3) western saddles in good condition; hames; collar; bits; bridles; tack; combs.
CARS, PICKUPS: 2004 Ford F-150 crew cab pickup, new paint, topper; 1982 Chevrolet crew cab dually, 29k miles on new 454 engine; 1997 Ford Ranger extended cab step side pickup; 1994 Mercury Sable 4-door; 2002 Mercury Cougar; 2000 Olds Alero.
TIRES, RIMS, SEATS, PARTS:
TIRES & RIMS: set/4 Goodyear G395 LHS 11R22.5 on truck rims; set/4 Goodyear G149 RSA 11R22.5 on truck rims; (7) Michelin & Bridgestone 445/50R22.5 semi super tires; set/6 Firestone Trans-Force HT LT245/75R17; set/4 Goodyear G933 RSD LT 215/85R16; set/4 Mastercraft Courser AXT LT245/75R17; (7) Goodyear & Bridgestone 295/75R22.5 truck tires; (8) Michelin & Bridgestone 275/80R22.5 truck tires; set/4 Firestone FD603 Radial 285/75R24.5 14 PR truck tires; other pairs & singles; set/4 Lincoln wheels; set/4 Ford wheels; set/4 Toyota wheels.
SEATS: New van & truck seats (standard seats EIDorado pulled from new vehicles and upgraded). **PARTS:** DOT Engine, Diesel DEMIL-A1, 2007 International mod.C330 8.7L 330hp, original sticker price \$42,883; Diesel 6 liter engine w/wiring harness & engine stand; partial bus assembly; CD radios removed from new chassis units; Boxed NEW seat belt assemblies; mufflers; exhausts; fuel tanks; front & rear bumpers; 2003 GMC tailgate; 2004 GMC tonneau cover; Contico work box.
BOATING EQUIPMENT: (24) boat gas cans, 6 gas cans.
MOTORCYCLE: Custom built trike registered as 1983 Kawasaki & title shows 1998 rebuild date, 22k miles on bike & owner says 1k on Volkswagen engine.
ATVs - ATTACHMENTS, TIRES: 2013 Kawasaki Teryx 750cc F.I. 4x4 side-by-side 405 miles 68.9 miles; Polaris 4' ATV snow trip blade & mount; (2) NEW Sand Devil 20 x 11.00 x 10 paddle wheels on 4-hole rims.
GOLF CART, GO CART: E-Z-Go electric golf cart; Manco Dominator go cart w/NEW 6.5hp engine.
MOWERS, YARD EQUIPMENT: Toro CCR2500 2-cycle snow thrower; Troy-Bilt 6.75hp self-propelled mulching mower w/rear bag; Stihl 011 AVT chainsaw w/case; Toro deluxe POW-R-DRIVE rear bag mower; rear bag mowers; power washer; tillers; chipper/shredder; YardShape gasoline power auger w/6" & 10" augers; Jacobsen snow thrower.
MOUNTS, HUNTING EQUIPMENT: (3) deer head mounts; feral hog head mount; duck mount; stripper; geese, ducks, deer decoys; traps; bow fishing equipment w/carry bag.
LAW ENFORCEMENT GEAR: After many years the owners of PDQ Emergency Products have retired and closed the business. We are selling the remaining product and fixtures. Included are - uniform shirts by 5.11 Tactical Series, Propper, Elbeco, Horace Small, Southeastern; vests; t-shirts; polos; jackets; coats; boots; tactical elbow & knee pads; hats; caps; duty belts; leather gear; shoulder holsters; gun holsters by Blackhawk, Bianchi, Galco, Fobus, Aker; duty & search gloves; patches; pins; laces; boot zippers; crampons; flashlights; battery packs; safety wands; clip pouches; keepers; S&W stainless and ASP Identifier colored handcuffs; electronic cash registers; fax machine; electronic time clock; Center CM-2000S pants hemmer; counter & cabinets; display racks; Slatwall hooks; also have military & tactical gear from another consignor.
INDUSTRIAL & CONSTRUCTION EQUIP.: Rockwell/Delta radial arm saw 2hp 3ph; Delta shaper table 3hp 3ph; Mortising machine Mod T-20 by Newman Machine Co 3/4hp 3ph; Burmaster progressive drill press w/6-chuck rotating head 110v; tumble polisher 110v; Powermatic drill press 115/230v 1ph or 200-575v 3ph; Rockwell 20" drill press 230/460v 3ph; Everett Industries metal cutting chop saw 230/460v 3ph; Clinton gas engine power head & sewer snakes, cutters, etc; Lincoln AC 225 amp arc welder; Everett Industries metal cutting chop saw 10hp 200-230/460v 3ph w/roller tables; Accu-Turn mod.4502 tire changing machine; Hunter DSP9600 wheel balancing machine; Professional Power Products 60 kw Marelli synchronous generator without engine, 24VDC/480VAC, 3ph, controls, Eaton 125 disconnect; (2) NEW aluminum industrial radiators; De-

Walt Industrial 18" radial arm saw 7.5hp 208-220/440v 3ph w/(2) 16' side tables; Crown walkie electric pallet jack; Orion stretch wrapping machine w/rotating turntable; Genie Lift air operated hoist; AKG Midwest industrial radiator; (50) concrete parking stops; scaffolding.
ELEVATOR EQUIPMENT FROM ADM: Over 60 pallets of parts and equipment, includes motors, gear boxes, pulleys, bearings, gears, reducers, roller chain, dampers, augers, controls, valves, collars, unions, blocks, rollers, conveyor belting, switches, junction boxes, chain hoists, pipe threaders, jacks, a few power tools, etc. Will probably sell choice item a few times and then by the pallet. Pictures of each pallet available - if interested contact Mac at 785-823-3699 or at Consignments@soldbywilson.com and we can get them to you.
BUILDING SUPPLIES: (15) rolls commercial carpet (like for schools & businesses) most 6' x 20' to 30'; gas fireplace insert; gas heating decorative stove; windows, cabinets, door, vanities, sinks from remodel; (10) stacks Styrofoam blocks 4' x 4' various thickness; (34) 2x4 4-lamp fluorescent light fixtures for suspended ceiling.
HUGE SNAP-ON TOOLBOX: Snap-On Classic 78 rolling toolbox w/side boxes & top box. Biggest toolbox we've seen. Doesn't have bells & whistles but includes remote control radio & speakers!
TOOLS: Central Hydraulics 2-ton foldable shop crane; Speedway 16-speed floor type drill press; Sears/Craftsman 10" table saw w/stand & extensions; Linde utility welder 230; NEW Hyundai HCP 9000 dual fuel (propane or gas) generator; Craftsman ATV jack; Craftsman 9" table saw w/stand; Champion Global Power 3650w generator; DeVilbiss Monsoon commercial power washer 2400psi 6hp; Bench Top Pro 10" table saw on stand; Shopsmith work center w/attachments; Sears 4" jointer on stand; Delta 12" portable planer on stand; Vermont American router table w/Craftsman Pro 2hp router; Orchard ladders - (7) 6 ft, (4) 8 ft, (1) 10 ft; Delta Shop Master BS-100 band saw 59.5" blade; Delta Shopmaster mod.TP300 12" x 5.9" portable planer; Ryobi 16" variable speed scroll saw; Delta Shopmaster mod.SA150 1" belt/5" disc sander; Cummins mod. ST-S46A 4" belt & 6" disc sander; Craftsman 10" radial arm saw w/Laser Trac; desk mover dolly; Delta 12" disc sander on stand 110v 1/2hp; Bostitch 2hp 6gal pancake air compressor; Central Pneumatics 1.5hp 6gal pancake air compressor; ratchet straps; pipe cutters; pipe threaders; reamers; pr Adrian Steel diamond tread pickup side boxes; Makita 10" miter saw w/stand; Sears Craftsman 10" table saw w/stand; NAPA 1000 lb engine stand; NESCO engine hoist; engine stand; 3 rolling tool cabinets; jacks; jack stands; winch; roller seats; parts organizers; Snap-On vise; Coleman Power Mate mod.PMO477022 generator B&S 14hp Vanguard engine 120/240v 7000-8400 watts.
RESTAURANT & BAR EQUIP.: Pedestal tables - (3) 48" x 30", (2) 48" x 27", (5) 48" x 24", (2) 30" x 30"; (32) wood chairs w/upholstered seats; 8' x 4' booth, baseball motif table; (35) blue/grey stacking chairs (most good w/some small holes); (58) stools (poor-average-good); (14) stools w/backs (most poor condition); (10) 60" round wood grain folding tables & 1 white plastic; (7) Budweiser 3-lamp pool table lights; Crathco mod.D35-4 triple 5-gallon refrigerated beverage dispenser; NU-VU mod.TMC-14 conveyor pizza oven; asstd bar/man cave lights; (28) break-down cues, (20) w/bags; large group (150?) house cues; 3-hole steam table w/sneeze guard & tray

heated cabinet; NEW Danby keg cooler, never used.
HOUSEHOLD APPLIANCES: Sears mod795.48279.901 refrigerator w/bottom freezer black; various washers, dryers, microwaves scattered through sale.
ELECTRONICS: (2) Yamaha HTR-5590 Cinema DSP home theater receivers; Rolls MixMate 2 RM74 microphone/stereo source mixer, rack mount, appears new in box; antique Philco Predicta TV; Motorola TV; ESB Willard Dynacel battery charger.
MUSICAL INSTRUMENTS: Hammond M3 A1 organ w/bench.
EXERCISE & SPORTS EQUIPMENT: (9) groups/6 athletic lockers; Sears Total Gym 1000; dumb bell pairs 5#, 10#, 35#, 55#; Pro-Form air cycle fitness trainer; paintball guns; Bowtech Diamond compound bow; NEW premium Coleman ice chests.
ANTIQUES & COLLECTIBLES: Coca-Cola 8' boat, very rare promotional item, 1 of 27 made; Coca-Cola bottle cooler has 2 openings w/lids & bottle openers; Coca-Cola bottle machine; Coca-Cola tin sign/glass top coffee table made with horseshoes; refrigerated & non-refrigerated Coca-Cola bottle coolers; Coca-Cola tin sign w/thermometer - 1939 first advertisement with woman; Coca-Cola advertising - thermometer, tin delivery truck, 1997 delivery boy figurine, punch cards; old toys including Hubley Kiddie toy working dump truck, tracked steam shovel; barber chair w/rare barber seat on swivel mount; antique drill press by Silver Mfg Co, no power unit; International Harvester floor model corn sheller; Never Fail portable corn sheller; washboard; 3 grinders; bottle capper; vise; corn planters; shoe lasts & parts; sad irons; cast iron; stoneware; scale; food grinder; hog oiler; Maytag engine; lots of other antiques & primitives; Adams galvanized tub hand crank washer w/wringer; antique coin operated marble game (pre pinball); Mark Roberts limited edition collectibles - 60 fairies & 20 elves in original cartons w/papers 2005 to 2009; Old Lionel O-gauge train pcs including straight & curved track, transformers & controls, 4 engines, etc; (8) Peerless Oil Dispenser bottles complete w/Mobilil AF spouts & caps, 8 bottle carrier; (4) tables worth Pepsi collection; Jennings Chief Tic-Tac-Toe 5c slot machine (works); I. W. Harper Whiskey signs; Pepsi pictures & mirrors; Coke & Pepsi pictures; Neon beer signs; lighted Texaco & Phillips 66 signs; antique ice box; 17" x 17" x 10" butchers block on legs.
FURNITURE & MISC.: Nice 3-cushion sofa w/throw pillows; child care play equipment; tanning lights - can be used vertical or horizontal; New Bright 28" long remote control boat new in pkg; 100-slot mail slots or organizer cabinet w/doors; (7) steel wardrobe cabinets; Master Paws 4' x 4' kennel with cover; Vulcan Safe 23 x 22 x 34, on wheels, no combo, open door so locksmith can set combination; Mosler safe 23 x 23 x 42, has inner 2nd safe, on wheels, no combo, open door so locksmith can set combination; marble pcs from furniture; pedal & battery operated toy cars; wagons; bikes; stroller; bike trailer; swing; lots of toys & equipment from child care provider; black leather 3-cushion sofa; massive king-size bedroom set w/bed frame, chest, dresser w/mirror, night stand; (3) NEW twin size mattresses new in bag; steel cabinets & shelves; large decorative metal work sailing ship; oak library table; spinet piano; glass top coffee & lamp tables; sofa table; round oak table w/leaf built inside; (2) electric potter's wheels; pine table w/leaf & 6 chairs.


AUCTION CALENDAR

SATURDAY, DECEMBER 12 — 1:00 PM

140 +/- ACRE FARM
Offered in 3 tracts separately & then joint.
Tract 1: 50 ac. cropland; Tract 2: 2-30 ac. cropland; Tract 3: 60 ac. pasture
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LAND AUCTION

When ~ December 3, 2015 @ 7 PM
Where ~ Geary County 4H Bldg
1107 S Spring Valley Rd., Junction City, KS

456 Acres+/- 
4 TRACTS

Tract 1: SW/4 27-11-4, Dickinson Co, less Tract 2 128 Ac +/- CRP and wildlife habitat 2 miles from Milford Lake! On 244 HWY CRP Pays \$6,428/yr Taxes \$1,354

Tract 2: 2235 3200 Ave. Home/Bldgs on 8 Ac +/- on 244 HWY just west of Milford Lake Rd. Perfect ifixer upper! or would make a great site for your dream home! Taxes \$448, 20
Open House: Nov. 14 & 20 from 10 AM ~2 PM

Tract 3: SE/4 of 16-12-4, Dickinson Co. Located ~ 2800 Ave and Trail Rd 2 Mi S of 18 HWY 121 Ac +/- CRP ~ 38 Ac +/- Pasture w/Pond & View
CRP Pays \$7822/yr ~ Taxes \$1,093.52

TRACT 4: NE/4 of 16-10-3, Clay County Located ~ 5th Rd & Prairie Rd, 1.5 Mi E of 15HWY 104 Ac +/- CRP ~ 53 Ac +/- Pasture w/Pond & Bldgs
CRP Pays \$5,647/yr ~ Taxes \$1,389.92
Immediate Possession on all tracts. Horizon Farm and Ranch are Seller's Agents. Announcements day of auction take precedence.
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UPCOMING AUCTION

80 ACRES, HOME & HOUSEHOLD ITEMS AUCTION

11599 W Crawford St, Brookville, KS
SATURDAY, DECEMBER 12, 2015 AT 10:00 AM
Very picturesque property with 1725 sqft main floor home with semi-finished walk-out basement, 3 bedrooms, 2-1/2 baths, vaulted family room with fireplace, double car garage. There is a 30' x 60' farm utility building, 30' x 13' loafing shed and 8' x 12' storage shed. Beautiful 'million dollar' view from east side windows, doors and deck of surrounding hills and valley below. Property sells first at 10:00. Check web site for directions and sale bill.

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Plastic rain barrels - \$10 each • Steel burn barrels - \$15 each



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From straw to shade – invest in cattle comfort

By Miranda Reiman

When it comes to cattle comfort, small investments can make a big difference. Terry Mader, Nebraska emeritus Extension beef specialist, discussed environmental planning for optimum animal well being at the Feeding Quality Forum earlier this year. “We are doing a much better job today than we did 20 years ago,” he said, “but we can do more.”

To get a full picture, cattle feeders must evaluate

their susceptibility to both heat and cold stress. In the last decade, winter storms have taken cattle at a rate of nearly five times that of summer heat. “These tend to be catastrophic events... it’s not something that’s occurring every year,” Mader said, “as opposed to heat, where we’re pretty certain we’re going to have hot weather in the cattle-feeding region every year.” Cattlemen know they cannot control Mother Nature, but they can study trends and be

prepared to work with her, especially by thinking of the “microclimate” in the feed-yard.

Research shows bedding a small area with straw during extreme cold has benefits.

“It will diffuse that radiant heat from the sun. It is light-colored and will reflect back, and so it can be effective,” Mader said.

As cattle genetics have changed, the heat they’re generating from feed intake is substantial. “They can withstand wind chill indexes of -20 degrees relatively well,” he said. “They can handle a lot in the cold.” That boon could become a burden in the summer, were it not for planning based on the predictability. Mader noted a map showing where at least some days could bring heat and humidity that require attention and

forethought for cattle comfort. The areas stretched from as far north as the Minnesota-South Dakota border on down to the desert Southwest.

“It’s a really interesting phenomenon when you look at the weather pattern, but usually, the very worst part of these heat events is in the forward part of a frontal boundary that stalls out, and in front of that, for about 30 or 40 miles, it’s clear,” Mader said. “We may have had a rain event where the ground may be wet, so we’re evaporating moisture off the ground, it raises humidity but in front of that boundary there’s very little air flow.”

Although weather forecasts give an idea of where problems may occur, he hopes to see more precise predictions in the future. Management and facilities improvements can work in

concert to reduce risk, Mader said. For example, processing and moving should be restricted to the coolest times of day. Pens can be cooled by wetting portions of their surface or using sprinklers. Other options are to alter feeding schedule or ration, offering more shade and allowing greater access to drinking water.

“Shade itself does not change the temperature underneath the shade relative to the outside temperature, but it will change the ‘feel-like’ temperature, because it takes the solar heat off the animal,” he said. Just five minutes of shade can reduce ground temperatures in the summer by 30 to 40 degrees.

Water can also be applied directly to the ground to change that environment, too, Mader added.

“It’s just like shading the ground. You put water on the ground, and you’re going to cool it off,” he said. “A lot of people don’t like to use this method because they think it raises humidity, and it does a small amount, but the temperature-humidity index relative to that area is still low. It does help minimize the effects of that radiant heat.” Cattle comfort can have an impact on everything from performance to health, but Mader said it’s about more than that. Mitigating stress is simply the right thing to do.

Regardless of the time of year, “We have to be prepared,” he said. “We have to have a plan.”

The Forum is co-sponsored by Roto-Mix, Purina Mills, Micronutrients, Zoetis, *Feedlot* magazine and Certified Angus Beef LLC.

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TRACTORS				TILLAGE				CULTIVATORS				HAY EQUIPMENT				COMBINES				HEADERS				
Model	Hours	Adv. List	Sale	Loc.	Model	Hours	Adv. List	Sale	Loc.	Model	Hours	Adv. List	Sale	Loc.	Model	Hours	Adv. List	Sale	Loc.	Model	Hours	Adv. List	Sale	Loc.
2012 Case IH MX315 MFD	1207	\$189,000	\$172,000	SN	Case IH 3950 28' disc		\$24,900	\$21,500	CC	Case IH 4300 35' FC		\$16,500	\$13,500	MA	2002 Case IH RS561 rd. baler		\$7,500	\$5,000	MA	2012 Case IH 6130	950	\$199,500	\$175,000	CC
2006 Case IH MX305 MFD	2236	\$118,500	\$112,500	WA	Case IH 496 26' disc		\$6,500	\$5,000	WA	Case IH 4300 22' FC		\$7,250	\$6,000	WA	2005 Case IH RBX562 rd. baler		\$12,500	\$7,000	SN	2000 Case IH 6130	4021	\$75,000	\$53,000	SN
2011 Case IH MX290 MFD	1028	\$176,500	\$155,000	CC	Great Plains 2400TC 24' VT		\$23,000	\$19,500	WA	Case IH Tigermate 200 32' FC		\$32,500	\$27,500	WA	1995 Case IH 8465 rd. baler		\$3,500	\$2,000	CC	2000 Case IH 2388	4740	\$54,000	\$40,000	CC
2004 Case IH MX285 MFD	3430	\$96,000	\$85,000	CC	JD 630 26' disc		\$13,500	\$10,500	SN	JD 960 28' FC		\$5,950	\$4,500	CC	1998 Case IH 8480 rd. baler		\$5,000	\$3,800	CC	2003 Case IH 2388 4WD	3257	\$103,500	\$89,500	HW
2012 Case IH MX260 MFD	960	\$155,000	\$145,000	WA	JD 650 34.5' disc		\$26,500	\$21,500	HW	Krause 4231 33' FC		\$8,950	\$6,000	WA	1991 Hesston 1160 14' swather		\$4,950	\$4,000	CC	1997 Case IH 2188	5743	\$29,500	\$24,500	MA
2006 Case IH MX245 MFD	3571	\$112,500	\$108,000	SN	Krause 4906A 22' disc		\$8,500	\$6,500	MA	Krause 4241HR 43' FC		\$12,500	\$8,500	MA	2015 JD 835 11.5' disc mower		\$30,000	\$27,500	HW	1994 Case IH 1688	4350	\$43,500	\$37,500	MA
2003 Case IH MX230 MFD	5840	\$83,500	\$73,500	HW	Krause 4907A 26' disc		\$13,500	\$11,500	MA	Wil-Rich 3400 45' FC		\$21,500	\$13,500	HW	1992 Case IH 1640	4046	\$23,500	\$21,000	MA	2004 JD 9560 STS	2697	\$106,000	\$95,000	HW
2009 Case IH MX215 MFD	1605	\$119,500	\$110,500	HW											2010 JD 9770 STS	1550	\$168,500	\$136,000	WA	2012 JD S670	1423	\$209,500	\$199,500	SN
2010 Case IH MX210 MFD	1020	\$128,500	\$114,000	CC																				
2002 Case IH MX170 MFD w/ldr	11232	\$48,500	\$44,500	MA																				
2013 Case IH MX125 MFD w/ldr	4000	\$63,500	\$59,500	SN																				
2012 Case IH Max115 MFD w/ldr	417	\$83,500	\$78,500	HW																				
2011 Case IH Puma 230 MFD w/ldr	1304	\$134,500	\$126,500	HW																				
1994 Case IH 7240 MFD	5772	\$59,500	\$54,500	CC																				
1990 Case IH 5140 MFD w/ldr	13932	\$28,500	\$26,500	WA																				
2011 Farmall 105U MFD w/ldr	1165	\$53,500	\$49,500	HW																				
1982 IH 5088 2wd	??	\$16,750	\$14,500	WA																				
1982 IH 3288 2wd w/ldr	9100	\$9,500	\$8,000	MA																				
1977 IH 986 2wd	8800	\$12,500	\$12,500	WA																				
1987 JD 4650 2wd	5910	\$42,500	\$37,500	WA																				
2008 NH T6070 MFD w/ldr	5268	\$68,500	\$59,500	MA																				

Clay Center, KS - 785-632-5621
Contact: Tony, Luke, Lindsay or Toby

Hiawatha, KS, 785-742-2261
Contact: Bruce, Francis or Darcy

Marysville, KS, 785-562-5304
Contact: Alex, Roger or Alan

Seneca, KS, 785-336-2111
Contact: Todd, Kevin or Tyler

Washington, KS, 785-325-2232
Contact: Jacob, Josh, Richard or Ted

CC = Clay Center • HW = Hiawatha
MA = Marysville • SN = Seneca
WA = Washington



River Valley Extension District to host cover crop meeting

River Valley Extension District is hosting a cover crop meeting at the Blair Theatre in Belleville on December 7th. Presenters include K-State extension specialist, Dr. Jaymelynn Farney and cropping systems professor, Dr. Kraig Roozeboom. They will discuss using cover crops for grazing and integrating them into your cropping systems. The meeting will conclude with a panel of local farmers who use cover crops in their operation answering questions from the audience about their experiences. Refreshments will be served in the lobby beginning at 6:30 p.m. with the meeting beginning at 7:00 p.m. There will be a drawing for several cover crop field guides during the meeting.

The meeting sponsor is Polansky Seed. Pre-registration is appreciated by December 4th if you plan to attend. Call the River Valley Extension District office at 785-243-8185. If you have questions, contact district agents, Kim Larson or Katelyn Brockus.

Quest for the best steer explored at Angus Convention

By Steve Suther

An ideal beef steer is one you can profitably produce again and again, to earn premiums on a value-based grid. That's the premise Paul Dykstra used in presenting "How to build the perfect steer" at the Angus Means Business National Convention and Trade Show November 2-4 in Overland Park.

Dykstra has worked with feedlots as Beef Cattle Specialist for the Certified Angus Beef® (CAB®) brand for the past 13 years, managed the USDA Meat Animal Research Center's feedlot before that, and has a current interest in a commercial cow herd in western Nebraska.

"I really believe we can do this," he said, noting the need for performance "on the hoof, on the rail and on the plate." People may differ on ideal production strategies for that ideal steer, Dykstra said. Some insist that focus on the feedlot can only come from terminal breeding programs, while others insist the steer must come from a system that also produces replacement heifers.

"We'll cross back and forth over that line as we look less at how, and more at what we need for a mainstream target like the Certified Angus Beef brand," he said.

The feedlot pen rider knows what the industry does not need. Dykstra told the conference crowd, "You do not want him to become familiar with your cattle."

And although "diversity is alive and well" at commercial feedlots, greater uniformity among pen mates must be an overall goal. Nobody produces just one perfect steer at a time, but rather a group of contemporaries, he said.

Dykstra referred to data from Professional Cattle Consultants showing average feed conversion for all steers in 2015 at 6.2 pounds of feed to produce a pound of beef. "I'm more familiar with ranch-direct or calf-fed steers, where we should target a feed conversion ratio of 5.6 [and 6.4 on the yearlings]. Moving up from 6.2 to 5.6 means \$56 less feed cost over the finishing period," he said. "By comparison, average daily gain (ADG) is less important and only moves about \$10 or \$15 going from average to ideal," Dykstra said. That's despite lofty targets such as 5 pounds (lb.) per day for yearlings and 3.8 lb. for calf-feds, compared to the 3.2-lb.

average. Why would ideal ADG not pay more? Because any impact comes from timing, along with accrued yardage and interest, he explained. Of course, timing can make a lot of difference when a seasonal market high is involved. Overall, "A window of optimization is appropriate for daily gain."

Accessing rewards for producing the perfect steer means selling on a packer grid, Dykstra said, explaining the basics of premiums, discounts and plant averages, showing an example. "We ended a long-term trend of nearly flat quality grade makeup in 2007 to where quality grades have really taken off, coinciding with a move to camera grading and feeding to heavier weights," he said. Some may see a downside to the U.S. fed cattle average grade moving from 60% Choice to 70% in the last eight years: grids reward above-average quality, and that bar has moved up. "Granted, there may be \$7 per head less premium there, but that's no deal breaker," Dykstra said. "It's almost negligible. We should bank the \$20 for making Choice and move right on to grab the \$54 on most of the cattle in that ideal pen earning the CAB premium, and even \$140 for those making Prime.

"Depending on your production system, Prime may not be the most realistic target as it is less than 5% of

U.S. and South American soybean farmers met with government officials, industry partners and other key influencers in Europe recently to discuss biotechnology acceptance and the implications of biotech approval delays. The farmers, who represent more than 95 percent of the world's soybean exports and normally battle for global market share, are joining forces to advocate for a science-based and more predictable biotech approval process.

"Soybeans are part of a global market," said Bob Haselwood, United Soybean Board (USB) chairman and soybean farmer from Berryton. "We need a collabora-

tive effort across the U.S., South America and the European Union to work toward timely approvals for new biotech traits. These traits will help us continue to supply a safe, reliable and abundant food supply for the world's consumers."

The delegation from the U.S. and South America is part of the International Soybean Growers Alliance (ISGA), which brings together farmers from these key soybean-producing countries to address global issues impacting all soybean farmers, including biotechnology acceptance.

A study released during an ISGA trade mission earlier this year showed that a

three-year postponement in global approval of biotech-enhanced soybean traits any time in the next ten years would cost farmers and consumers nearly \$19 billion, compared with typical approval timelines.

The groups with the most to lose from delayed approvals include consumers in large importing countries, including China and nations in the European Union, and farmers in large soy-exporting countries that quickly adopt new technology, such as the U.S., Brazil and Argentina, according to the report.

"The global supply chain is a powerful economic engine that benefits not only farmers and consumers but also stakeholders at each stage in between," said Ron Moore, American Soybean Association (ASA) secretary, U.S. Soybean Export Council (USSEC) board member and soybean farmer from Roseville, Illinois. "The soybeans we grow create jobs in the U.S. and in each of our export markets. These economic benefits can't be fully realized without a fully functioning biotech approval process."

the mix currently," he said. "But if you want to aim for Prime, you have the right breed. And for the ideal steer, Prime cannot be denied."

A perfect pen of steers, featuring 100% Choice, 60% CAB and 20% CAB Prime, would earn \$68.62 per head in quality premiums in the example grid, but that's not the complete picture.

Yield grade (YG) is a grid component that addresses the importance of muscling, with relatively small premiums paid for the numerically leaner 1s and 2s and 3s at par value, and significant discounts for 4s and 5s, Dykstra explained. YG 1 is not the target however, and the ideal pen would turn out just 3% at the leanest level, with 44% YG2 and 45% YG3 while allowing 8% YG 4s, to earn \$15.95 per head average premiums (\$21.80 per head if all YG4s were kept on the YG 3 side of the line). Remember, these premiums are on top of the larger quality grid total.

Aiming for Prime without adequate genetic potential or coordinated management often leads to YG discounts, typically because the ribeye is too small. A 900-lb. carcass requires a 14.2-inch ribeye for a near-ideal YG 2.5. Dressing percent also relates to ribeye and muscling, often with more impact on the grid price than YG variations. While the industry average is 63.5%, Dykstra said a full

percentage-point increase to 64.5% is a target that would add \$33 per carcass.

Summing up requirements and targets, he concluded the ideal steer carcass is a 900-lb Prime CAB, YG 2.9 with that 64.5% dress, after live feed-to-gain conversion at 5.6 and gaining 3.8 lb. per day as a calf-fed. Once considered lacking in efficiency, Angus feeders now offer some of the best conversion rates in the industry, he added.

"No matter where you are or what your goals or production system may be, the Angus breed has the diversity and the bulls to get there," Dykstra said.



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HERINGTON LIVESTOCK COMMISSION CO.

CATTLE SALE EVERY WEDNESDAY: 11:30 AM
SELL HOGS 1ST & 3RD
WEDNESDAY OF EVERY MONTH
11/18/15

Steer & heifer calves sold on a steady market
Feeder steers and heifers sold steady to \$3 lower with an active market
Slaughter calves and bulls sold 1-3 lower

COWS		BULLS		STEERS		HEIFERS	
Lincolville, 1 blk	1325@78.50	Herinton, 1 blk	1355@63.50	Hillsboro, 3 blk	820@165.00	Lincolville, 1 blk	1415@75.00
Lincolville, 1 bwf	1415@75.00	Woodbine, 1 blk	1245@63.00	Tampa, 57 mix	936@163.10	Herington, 1 blk	1415@75.00
Herington, 1 blk	1415@75.00	Hope, 1 blk	1515@62.50	Lost Springs, 6 blk	376@161.00	Lincolville, 1 bmf	1450@74.00
Lincolville, 1 bmf	1450@74.00			Tampa, 58 mix	953@160.00	Lincolville, 1 bmf	1415@70.50
Lincolville, 1 bmf	1415@70.50			Tampa, 56 mix	969@156.75	Lincolville, 1 blk	1150@70.50
Lincolville, 1 blk	1415@70.50			Marion, 3 blk	1030@154.00	Hope, 1 hol	1540@70.00
Hope, 1 hol	1540@70.00			Herington, 60 mix	1053@152.75	Woodbine, 1 blk	1160@69.00
Woodbine, 1 blk	1160@69.00					Hope, 1 hol	1910@67.50
Hope, 1 hol	1910@67.50					Ramona, 1 red	1480@67.50
Ramona, 1 red	1480@67.50					Woodbine, 1 blk	1705@67.50
Woodbine, 1 blk	1705@67.50					Lincolville, 1 blk	1795@67.50
Lincolville, 1 blk	1795@67.50					Lincolville, 1 bwf	1310@67.00
Lincolville, 1 bwf	1310@67.00					Lincolville, 1 blk	1100@67.00
Lincolville, 1 blk	1100@67.00					Gypsum, 1 bwf	1100@67.00
Gypsum, 1 bwf	1100@67.00					Gypsum, 1 bmf	1260@66.50
Gypsum, 1 bmf	1260@66.50					Lincolville, 1 rwf	1325@66.50
Lincolville, 1 rwf	1325@66.50					Council Grove, 1 wvf	1590@66.00
Council Grove, 1 wvf	1590@66.00					Tampa, 1 blk	1240@66.00
Tampa, 1 blk	1240@66.00					Woodbine, 1 blk	1055@66.00
Woodbine, 1 blk	1055@66.00					Alta Vista, 1 blk	1660@66.00
Alta Vista, 1 blk	1660@66.00					Lincolville, 1 bwf	1215@65.50
Lincolville, 1 bwf	1215@65.50					Lincolville, 1 blk	1510@65.50
Lincolville, 1 blk	1510@65.50					Lincolville, 1 bmf	1385@65.00
Lincolville, 1 bmf	1385@65.00					Alta Vista, 1 red	1390@64.00
Alta Vista, 1 red	1390@64.00						

EARLY CONSIGNMENTS FOR DEC 2ND:

• 120 steets 875-925

Happy Thanksgiving and God bless
No Sale this week due to Thanksgiving

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

View Our Auction Live at LMAAUCTIONS.COM

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Bob Kickhafer, Cell - 785-258-4188 • Dave Bures - 402-766-3743

AUCTION

SATURDAY, NOVEMBER 28 — 11:00 AM
2013 Kerr Drive — MANHATTAN, KS

Pavers, Retaining wall block, Gas ride on commercial spreader — Lesco, 300 gallon water tank, Playground equipment, Hustler Zero Turn mower, Misc. planters (pots), Round Bale unroller, Box blade, Landscape rake, Garden carts, Snow blades, HID light fixtures, Railroad ties, Posts, Semi storage trailer, Metal cabinet, Pella windows, Pella doors, Misc lamps, Garage door opener — heavy duty, Pine flooring, Couches and chairs, Oak table, Cedar fence panels, Chain link fence panels, Tin, Copper wire 12 ga., Duct pipe 5", Roof jacks, Handicap grab bars, I joist, Eye wash station, Amalflex pipe insulation, Formica laminate, Victaulic press fit tool, Victaulic groove fittings, Some floor and wall Tile, Weed whips, USG drywall u channel and maint t, American standard tub, Shelf brackets national, Greenheck exhaust fans, Copper flashing, Kaykan vinyl soffit, File cabinets, Bellman carts, Brass fittings, Copper fittings, Insulated flex duct, Door kick plates, Door sweeps, Pipe saddles, Fermcos, Mel-Rol waterproofing, Tandus pressure sensitive glue c-ex, Cable rails, Laminate router, Horizontal Jamb saw, Black pipe fittings, Sliding patio door locks, Wooden cabinets, Mics screws and bolts, Dovetail jig, ITT FS-8-W flow switch, Mini blinds, Milcor access panels, Duct grills, Porter 1111100 flow switch, Steelcraft anchors, Pipe hangers, Rafter vents, Computer desks, Metal chair, Pipe racking, Office dividers, Office chairs and much more.

Auctioneers Note: lots of new parts and fittings. Building materials and lawn equipment.

TERMS: Cash or Good Check. Announcements made day of sale take precedence over previous printed material. Auction company and seller not responsible for accidents.

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Council Grove &
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Farmers & Ranchers

AUCTIONS EVERY MONDAY & THURSDAY

Selling Hogs & Cattle every Monday

Upcoming Cow Sale

Dates:

Tuesday, December 15, 2015
ALL SPECIAL TUESDAY SALES
START AT 12 NOON

Upcoming Calf Sales:

WEANED VACCINATED SALES:

Tuesday, December 1, 2015
Tuesday, January 5, 2016
Tuesday, February 2, 2016
ALL SPECIAL TUESDAY SALES
START AT 12:00 NOON

RECEIPTS FOR THE WEEK TOTALED 5,859 CATTLE & 91 HOGS.

STEERS		HEIFERS	
300-400	\$230.00-\$260.00	11 blk	Haven 361@227.00
400-500	\$220.00-\$233.00	4 mix	Salina 355@215.00
500-600	\$205.00-\$222.00	5 mix	Salina 420@212.00
600-700	\$180.00-\$188.00	6 mix	Haven 399@212.00
700-800	\$170.00-\$186.50	5 blk	Wilson 381@206.00
800-900	\$168.00-\$183.25	8 blk	Inman 404@205.00
900-1000	\$160.00-\$168.50	10 blk	Manchester 404@203.00
HEIFERS		HEIFERS	
300-400	\$200.00-\$212.00	12 blk	Galva 408@197.00
400-500	\$200.00-\$212.00	12 blk	Wilson 452@193.00
500-600	\$170.00-\$184.50	8 blk	Brookville 464@191.00
600-700	\$165.00-\$173.50	4 blk	Munden 459@189.00
700-800	\$160.00-\$171.00	24 blk	Brookville 520@184.50
800-900	NO TEST	20 blk	Wilson 506@183.50
900-1000	NO TEST	2 blk	Assaria 535@182.00
		5 blk	Gypsum 529@181.50
		6 blk	Palmer 562@180.00
		14 blk	Galva 482@180.00
		20 blk	Galva 552@175.00
		6 blk	Lincoln 558@175.00
		7 blk	Gypsum 623@173.50
5 mix	Haven 306@260.00	13 blk	Canton 728@171.00
23 mix	Haven 361@250.00	10 blk	Galva 618@167.00
2 blk	McPherson 368@239.00	16 mix	Abilene 748@163.50
3 blk	McPherson 400@233.00	5 red	Ellsworth 700@163.00
13 blk	Galva 424@232.00	CALVES	
2 blk	Salina 410@231.00	1 blk	Longford 195@450.00
11 mix	Haven 425@230.00	1 blk	Hillsboro 145@400.00
6 blk	Wilson 448@227.00	1 blk	Tampa 165@400.00
5 blk	Gypsum 441@223.00	1 char	Bridgeport 190@375.00
12 blk	Wilson 523@222.00	COWS	
6 blk	Brookville 467@220.00	1 blk	Marquette 1200@76.00
8 blk	Lincoln 464@219.00	1 blk	Inman 1765@75.00
3 blk	Moundridge 507@215.00	1 blk	Hillsboro 1485@75.00
4 blk	Sterling 490@214.00	1 blk	Marquette 1330@74.00
12 mix	Galva 510@210.00	1 blk	Clay Center 1525@74.00
6 blk	Lincoln 545@209.00	1 blk	Hillsboro 1465@74.00
20 blk	Brookville 546@202.00	1 blk	Lincoln 1525@73.00
10 blk	Glendale 565@199.50	3 blk	St. John 1573@73.00
4 blk	Falun 555@198.00	2 blk	Delphos 1278@73.00
7 blk	Sterling 586@197.00	1 bwf	Wilson 1545@73.00
14 blk	Galva 567@197.00	1 blk	Clay Center 1670@73.00
19 blk	Munden 594@193.00	BULLS	
15 blk	Galva 635@188.00	1 blk	New Cambria 1870@95.00
17 blk	Concordia 616@188.00	1 blk	Gypsum 2280@93.00
5 mix	Beloit 623@187.50	1 blk	Salina 1850@92.00
19 blk	Gypsum 639@187.00	1 red	Alma 1430@91.00
6 mix	Brookville 609@187.00	1 blk	Gypsum 2130@90.00
27 blk	Whitewater 759@186.50	1 blk	Holyrood 2360@90.00
10 blk	Carlton 658@186.00	HOGS	
119 blk	Abilene 819@183.25	5 mix	Portis 202@39.00
11 blk	Munden 703@182.00	3 mix	Portis 233@37.00
33 mix	Carlton 710@175.00	6 mix	Tescott 293@36.00
69 mix	Hope 814@175.00	10 mix	Esbon 301@36.00
26 mix	Whitewater 832@172.00	8 mix	Tescott 304@32.50
44 mix	Barnard 853@172.00		
23 mix	Beloit 798@170.00		
34 mix	Barnard 969@168.50		
62 mix	Marion 891@168.10		
9 blk	Manchester 907@167.00		
60 blk	Hope 986@161.75		

IN STOCK TODAY

- Heavy Duty Round Bale Feeders
- 6'8" X 24' GOOSENECK STOCK TRAILER METAL TOP
- 7' X 36' GR Stock Trailer Metal Top
- 6'8" X 24' GR Stock Trailer Metal Top

For information or estimates, contact:

Mike Samples, Sale Mgr., Cell Phone 785-826-7884
Kyle Elwood, Asst. Sale Mgr., Cell Phone 785-493-2901

Jim Crowther 785-254-7385 Roxbury, KS	Lisa Long 620-553-2351 Ellsworth, KS	Cody Schafer 620-381-1050 Durham, KS	Kenny Briscoe 785-658-7386 Lincoln, KS	Kevin Henke H: 785-729-3473, C: 785-565-3525 Agenda, KS	Austin Rathbun 785-531-0042 Ellsworth, KS
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Cattle Sale Broadcast Live on www.cattleusa.com 1150 KSAL, Salina 6:45 AM - MON-FRI ***** 880 KRVN 8:40 AM - WED.-THURS. *****550AM KFRM - 8:00 am, Wed.-Thurs.

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.

— AUCTIONEERS —

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For a complete list of cattle for all sales check out our website at www.fandrive.com

- * NO SALE THURSDAY, NOVEMBER 26TH THANKSGIVING
- * LAST THURSDAY AUCTION OF THE YEAR DECEMBER 17TH
- * LAST MONDAY AUCTION OF THE YEAR DECEMBER 21ST.

TUESDAY, NOVEMBER 17TH COW SALE

BRED HEIFERS		BRED COWS	
30 blk	Clafin @2275.00	11 blk	Hays @2425.00
23 blk	Clafin @2235.00	10 blk	Hays @2410.00
25 blk	Mahaska @2235.00	10 blk	Alma @2325.00
19 red	Paradise @2210.00	5 blk	Alma @2300.00
22 blk	Mahaska @2200.00	11 bwf	Hays @2300.00
45 blk	Mahaska @2185.00	21 blk	New Cambria @2275.00
6 bwf	Minneapolis @2175.00	21 blk	Wilsey @2275.00
34 blk	Montezuma @2110.00	13 blk	Wilsey @2260.00
15 blk	Mahaska @2100.00	5 red	Alma @2250.00
14 blk	Mahaska @2100.00	32 blk	Hays @2235.00
7 bwf	Conway Springs @2100.00	12 blk	Gypsum @2100.00
HEIFER PAIRS		COW PAIRS	
12 blk	Hope @2650.00	2 mix	Alma @2550.00
19 red	Hope @2600.00	4 blk	Hillsboro @2450.00
18 blk	Hope @2600.00	2 blk	Wilsey @2400.00
6 blk	Hope @2450.00	5 blk	New Cambria @2350.00
11 blk	Newton @2400.00		

EARLY CONSIGNMENTS FOR THURSDAY, DECEMBER 3:
144 str & hfrs, 600-700 lbs.; 65 blk str & hfrs, 500-600 lbs.; 50 blk str & hfrs, 600-800 lbs., weaned/vacc.; 60 str & hfrs, 750 lbs., 2 rd fall vacc.

PLUS MORE BY SALE TIME!

EARLY CONSIGNMENTS FOR TUESDAY, DECEMBER 1 WEANED/VACC SALE:

40 blk/bwf/rwf str & hfrs, 600-700 lbs.; 18 Char X str & hfrs, 600-700 lbs.; 40 blk/bwf str & hfrs, 500-600 lbs.; 30 blk str & hfrs, 500-600 lbs.; 70 blk str & hfrs, 600 lbs.; 75 mostly blk str & hfrs, 500-800 lbs.; 90 mostly blk str & hfrs, 500-650 lbs.; 45 blk str & hfrs, 450-650 lbs.; 150 blk/red str & hfrs, 700-800 lbs., off tritcale; 180 blk str & hfrs, 500-600 lbs.; 75 blk str & hfrs, 600-650 lbs.; 80 blk str & hfrs, 600-750 lbs., 2 rnd fall vacc.; 47 blk/bwf str & hfrs, 600-700 lbs.; 40 str, 800-900 lbs.; 20 str & hfrs, 500-600 lbs.; 40 str & hfrs, 500-700 lbs.; 40 str, 550 lbs.; 110 blk str & hfrs, 400-500 lbs.; 42 str. 600-700 lbs.; 50 blk/bwf str & hfrs, 500-750 lbs.; 30 mostly blk str & hfrs, 450-750 lbs.; 20 blk/Char str & hfrs, 600-700 lbs.; 13 str, 550-600 lbs.; 18 str & hfrs, 600-700 lbs.; 80 mostly blk str & hfrs, 475-600 lbs.; 137 blk str, 550-750 lbs.; 111 blk str, 550-750 lbs.; 30 mostly blk str & hfrs, 600-650 lbs.; 32 mostly red str, 500-650 lbs.; 50 blk str & hfrs, 600-800 lbs.; 65 blk str, 700-850 lbs.; 20 hfrs, 500-575 lbs.; 74 blk str & hfrs, 550-650 lbs.; 60 Red Angus str & hfrs, 600-700 lbs.; 33 red str & hfrs, 750 lbs.; 11 str & hfrs, 350-550 lbs.

PLUS MORE BY SALE TIME!

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

CLASSIFIEDS

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

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



RATES AND DISCOUNTS

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: _____

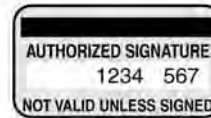
TOTAL: \$ _____

PAY WITH (PLEASE CIRCLE ONE):

CHECK **MASTERCARD** VISA DISCOVER

Card No. _____ Exp. Date _____

V-Code _____ (required) last 3 digits (see sample: 567) located on the back of your credit card on the signature panel.



Signature: _____

CLASSIFICATIONS

- | | |
|------------------------------|------------|
| CATTLE | GOAT |
| SWINE | SHEEP |
| HORSES | POULTRY |
| FERTILIZER | TRAILERS |
| FEED & SEED | MACHINERY |
| AUTOMOTIVE | EMPLOYMENT |
| REAL ESTATE | ANTIQUES |
| SERVICES | PASTURE |
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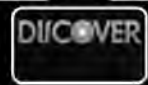
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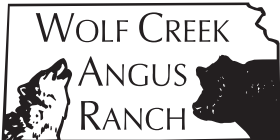
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'07 Case IH RMX340 25'
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'89 JD 643 cornhead
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hrs. eng., 1525 hrs. sep.
'91 Case IH 1680 combine
4WD
'89 Case IH 1620, 3665 hrs w/
1020 15' flexhead and 843
cornhead
'06 Case 1020 30'
'05 Case 1020 30'
'89 Case IH 1020 25'
'99 Case IH 1020 20'
'94 Case IH 1063 cornhead
'89 Case IH 1083 cornhead
IH 810 platform
IH 863 cornhead
'95 Case IH 8465, A. baler
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'92 Case IH 8480 rd.baler
'86 Hesston 5530 rd. baler
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'11 JD 6140D MFWD, 11016, 855 Hrs (H)
'14 JD 6105M MFWD, J27437, 22 Hrs (H)

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'13 JD 320D, 10769, 291 hrs (H)
'10 JD 326D, 10820, 544 hrs (E)
'15 JD 320E, 10863, 147 hrs (B)
'13 JD 326 D, 10887, 147 hrs (B)
'13 JD 333E, 10214, 400 hrs (B)

PRE-OWNED SPRAYERS
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1998 Case IH 2388 4WD

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U.S. retail sales of small tractors accelerated in October, continues to beat five-year average

U.S. retail sales of small farm tractors under 40HP increased 23.3 percent in October 2015 compared to the same period last year, according to the Association of Equipment Manufacturers (AEM), the leading trade organization for off-road

equipment manufacturers and suppliers. Year-over-year, total retail sales of two-wheel drive farm tractors, including under 40HP, were up 5.8 percent, while four-wheel drive tractors sales decreased by 22.9 percent, which is less than the

48 percent decrease reported in September.

Year-to-date sales of the smaller, less than 40HP tractors increased 8.1 percent compared to 2014, while sales of 40 to 100HP farm tractors continued to remain flat. In a more long-term comparison, retail sales in units for agriculture

tractors and combines once again reported an improvement over the five-year average (2010-2014).

"The good news is that sales of smaller farm tractors jumped considerably compared to September, and the numbers are back in line with what we saw earlier this year," said Charlie

O'Brien, AEM senior vice president. "Our Ag sector board met last week at AEM's annual conference and although uncertainty about the global market and regulations are real concerns, we shared an overall optimism about the long-term future of our industry. Agriculture is cyclical, and

we're in a cycle right now that's come down from a pretty high level, which makes it even more challenging. We anticipate a flattening of the rate of decline of the large tractor sales, and the long-term projection for the industry is certainly very positive."

K-State Leasing Workshop to be held December 1

Leasing land for farming and ranching has become a necessity to grow and stay competitive in today's commercial agriculture. As a result, understanding how to negotiate effectively and equitably a land lease has risen in importance for both landowners and tenants.

This workshop is designed to help both landowners and producers consider the factors that affect lease rates, contract terms, and risk exposure and will include explaining the differences and similarities of various leasing arrangements such as crop share, fixed cash rent and flexible leases.

The second part of the evening will be presented by Andrew Ellis, an attorney with the Arthur-Green Law practice in Manhattan. He will outline the beginning steps needed to prepare an estate plan suitable for their situation.

The workshop will be held at the Jefferson County Fair Building, located at 605 Ratz St. in Valley Falls on December 1, 2015, beginning at 6:00 p.m. with registration, first presentation by Dr. Mykel Taylor will begin at 6:30 pm. There is no fee to attend.

This workshop is sponsored by Atchison, Brown, Doniphan County Extension councils and the Meadowlark Extension District.

Mineral needs of cattle remain important throughout the year

Minerals are important building blocks of functional life. They aid in countless body processes. When the body in question is a 1,500-pound beef cow whose purpose is to produce income, she may need supplemental minerals during several crucial periods throughout the year.

"Speaking specifically about the beef cow herd and production beef cows, they require macro minerals such as calcium, phosphorus, sodium, chlorine, potassium and magnesium," said Chris Reinhardt, K-State Research and Extension beef specialist. "But, they also have requirements for trace elements."

These trace elements include, for example, copper, zinc, selenium, manganese and cobalt, in parts per million rather than percentages like the macro minerals, Reinhardt said. Some of these minerals are stored in the liver or other tissues during times of plenty for use during times of deficiency.

"We need to be aware of the mineral balance in the forages a cow might be consuming, and we have to be aware of the demand that cow has for those minerals," he said.

He outlined a scenario where a cow may have different needs: "Calcium is being drawn out in milk during lactation. Copper and zinc are used heavily for reproduction, during the gestation and during immune challenges. The needs of the cow change throughout the year, and the supply of minerals available changes tremendously throughout the year as well. Our job as producers is to make sure we are matching what the

cow has access to with what her needs are."

Clinical deficiencies of minerals occur when a required mineral has been deficient in the diet for an extended period of time, Reinhardt said. Producers can see these deficiencies in obvious outward symptoms showing the animal is lacking a mineral or minerals.

He cited a classic example: "In the 1930s, we didn't always supplement phosphorus to cows in the western range states. When cows become extremely phosphorus deficient, they will chew bones."

One of the clinical signs that indicates a cow is extremely deficient of phosphorus is she will not breed or have a calf. A cow cannot reproduce without adequate phosphorus.

"However, in between adequate status and clinical deficiency is what we call subclinical deficiencies," Reinhardt said. "These are where most of the deficiencies occur in the U.S. beef industry."

For example, he said cows could be marginally copper deficient when they seem to produce well, but maybe their fertility doesn't quite match up to the producer's expectations. In this case, the herd overall may be calving on time, but one cow that didn't calve as expected. The cow in question may have looked fine and had access to the same food sources as the rest of the herd. This is why subclinical deficiencies are often difficult to detect and require a close watch.

Management tips to help producers

"The first step is to assess the needs of the animal," Reinhardt said. "For

instance, a gestating cow requires different levels of calcium and phosphorus than does a lactating cow. When that cow is in the peak of lactation, we have to ensure the cow has access to adequate macro and trace minerals."

"The second step of developing a strategy is assessing what is available to the animal," he continued. "For example, we've had abundant rains throughout Kansas and much of the western United States. In the spring when we have adequate rainfall to produce abundant, lush forage, the forage alone is adequate in phosphorus to meet most of the needs of a lactating cow. However, as that forage matures into summer months, phosphorus content will decline to well below the needs of a lactating cow."

This is where producers need to intervene and ensure adequate provisions are made not only for calcium and phosphorus, but also many of the trace minerals.

To determine the mineral content in the available forage, producers may initially want to have forages analyzed for mineral content, he said. Then, producers can work with their veterinarians or beef nutritionists to determine a supplement that fills the gap.

"One mineral concept"

According to Reinhardt, many producers use the "one mineral concept," where they buy a mineral that meets most of the animals' needs most of the time. When the cattle eat it adequately and predictably, the producer simply leaves the mineral out year-round. During times of the year where the cattle's needs may be lower, such as spring when there is ample high-quality forage available, they may eat only a little or none of that one mineral.

"As the grass quality declines you will notice an increase in the consumption of that mineral," Reinhardt said. "In the fall or winter when we are supplying supplemental feeds, such as soybean meal, distillers grain and good-quality hay, the cattle may go back to a period where they may not be eating a tremendous amount of mineral."

Another option is using different mineral formulations during different times of the year.

"If you're feeding wet distillers grains and high-quality hay, you may have a need for calcium and trace minerals but not a tremen-

dous need for supplemental phosphorus," he said.

There may be a better option when doing a mix feed with a force-feeding situation. During the summer, a producer needs a mineral that works with the forage. Also, it is highly important that the cattle will eat independently in a predictable manner.

Deciphering mineral labels

Mineral labels are subject to law that states if a mineral ingredient is included in a product, there are certain items that must be included on the tag, which is the first place producers should check, Reinhardt said. Pay close attention to levels of phosphorus, calcium, salt, potassium, copper and selenium.

Adequate selenium is important in beef cattle diets, but it is highly regulated by the federal government, as it is toxic to humans and livestock at high levels. Because soils and forages in parts of the United States have low levels of selenium, it is important that producers make sure cattle are getting adequate selenium.

If copper is included in the product, it must be at a guaranteed minimum level on the label. There are many areas of the United States during various times of year where copper is deficient in the soil and in the forages, so Reinhardt said make sure to have a formula that works well with the geography.

Don't put off the minerals

Cattle producers are often extremely busy, but a good mineral program should remain important, the beef specialist said: "A rancher always has about a hundred different things to do daily. Occasionally, the mineral formula works its way toward the top of the list."

Even then, determining how much cattle are consuming is often overlooked. Information on the mineral tag sometimes includes a recommended range of consumption. Depending on the animals' needs, geography and pasture conditions, cattle may not eat the predicted amount of the mineral. In that case, it's possible their mineral needs are not being met. "We want to ensure that we have the right formula for the cattle," Reinhardt said. "If they're not eating the mineral, we have to go back to the drawing board and find a product the cattle will eat."

FARM AUCTION

SATURDAY, NOVEMBER 28 — 10:00 AM

Auction located at 10734 SW 1040 Rd, Westphalia, KS
TRACTORS, SPRAYER, COMBINES, HEADERS, SEEDING EQUIPMENT, TRUCKS, TILLAGE EQUIPMENT, HAY EQUIPMENT, OTHER FARM EQUIPMENT, GRAIN HANDLING EQUIP., GRAIN BINS, TRAILERS, CATTLE EQUIPMENT, ZERO TURN MOWER & MISC.

AUCTIONEER'S NOTE: Most of the equipment was purchased new by Mr. Dieker. It has been shedded and well maintained using genuine John Deere parts & service. Plan to attend this auction. Tractors, Trucks, & Machinery will start selling at 1 PM. (Food will be served)

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Research results now available on wide array of swine feed efficiency topics

Consider it a one-stop shop for the latest in swine feed efficiency information from around the globe: Kansas State University and Iowa State University have established a portal, www.swinefeedefficiency.com/icfes.html, through which information about

swine feed efficiency and myriad related topics can be accessed. The information, free to the public, stems from the International Conference on Feed Efficiency in Swine 2015 hosted Oct. 21-22 in Omaha, Nebraska. The conference drew more than 500 participants

from 19 countries and featured 38 speakers from universities and industry in seven countries.

Participants included pork industry owner-operators, managers for large production companies, students, Extension professionals, and people working in

swine nutrition, genetics, feed processing and the pharmaceutical industry.

"The information was valuable to the people who attended in person, who were able to exchange ideas on the topics presented by the international group of speakers. But, we are also

committed to sharing the information gathered from these speakers with those who could not be at the conference," said Mike Tokach, Extension animal science leader with K-State Research and Extension.

Videos of the presentations and related information are available.

"Topics included the results of intensive, multi-generational selection for feed efficiency on pig's response to environmental stress, disease and pork quality," said John Patience, animal science professor at Iowa State. "Also, new data was presented in areas of feed processing, sow herd efficiency, nutrition, digestive physiology, health and genetics on swine feed efficiency."

Tokach and Patience, along with K-State Research and Extension swine specialist Joel DeRouche, organized the conference. They are part of the interdisciplinary Feed Efficiency in Swine Project conducted by K-State and Iowa

State, with partners in Australia, France and Canada.

Feed is the largest cost for swine producers. It represents 55 to 60 percent of producers' total cost of production, DeRouche said. The nationwide whole herd feed conversion rate (pound of feed to pound of pork) is about 3.0 to 1, he said. Each point change (example 3.00 to 2.99) represents 140,000 tons of feed per year, which in 2015 was worth \$35 million. Utilizing existing knowledge on improving feed efficiency is critical to the competitiveness of the U.S. pork industry and to help with the sustainability of food supplies.

The long-term goal of the project, which includes research projects and outreach such as the conference and informational website, is to help producers increase nutrient utilization and feed efficiency, strengthen pork industry competitiveness, and to reduce the industry's demand on grains and proteins, DeRouche said.

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Date: 11/18/2015. Total Head Count 616.
Cows, \$73-\$78; \$66-\$72.75; \$68 & down. Bulls \$92-\$101.

2 redneck-hfr	478@162.50	3 blk-str	657@174.00
5 blk-hfr	495@169.00	4 blk-str	664@165.00
6 blk-hfr	541@168.00	28 blk-str	681@175.00
4 blk-hfr	544@170.00	6 wf-str	687@155.00
4 blk-hfr	555@162.00	2 blk-str	703@162.00
2 mix-hfr	600@160.00	7 blk-str	714@172.00
5 mix-hfr	607@158.00	9 blk-str	726@166.00
2 blk-hfr	635@157.00	4 mix-str	741@171.00
2 blk-hfr	668@150.00	20 mix-str	741@168.50
15 blk-hfr	749@159.00	8 mix-str	748@162.00
4 blk-hfr	769@154.00	19 mix-str	757@167.50
8 mix-hfr	820@154.50	5 mix-str	807@155.50
6 mix-hfr	830@152.00	73 mix-str	911@165.75
30 blk-hfr	833@157.00	2 blk-str	833@160.00
7 mix-hfr	850@151.00	2 blk-str	840@165.00
2 blk-hfr	860@151.00	16 blk-str	840@165.00
7 mix-hfr	896@150.00	13 mix-str	871@162.00
4 mix-hfr	934@150.00	4 mix-str	898@163.00
3 blk-hfr	1038@137.00	43 mix-str	920@161.00
2 mix-str	405@155.00	5 blk-str	921@160.00
2 blk-str	490@187.50	4 mix-str	926@150.50
2 wf-str	508@166.00	2 mix-str	948@120.00
6 mix-str	515@195.00	4 blk-str	956@157.00
10 mix-str	543@199.00	3 mix-str	980@155.00
7 blk-str	570@186.00	7 blk-str	990@156.00
9 blk-str	577@185.00	5 mix-str	1002@192.00
2 blk-str	618@160.00	2 blk-str	1018@137.00
9 blk-str	642@178.00		

NO SALE ON WEDNESDAY, NOVEMBER 25
due to the Thanksgiving Holiday!

EARLY CONSIGNMENT FOR December 2:
A complete dispersal of Harry Pendergraft is listed below
• 40 blk & red bred cows, running age, ready to start calving anytime, bred to Red Angus & Angus bulls

A Complete Dispersal of Jerry Kelley is listed below:
• 30-40 blk & bwf cows, spring calvers, running age
• 4 breeding bulls, Maple Hill Angus Genetics
• 50 blk steers & heifers, 550-750 lbs., weaned 30 days
MORE CONSIGNMENTS PENDING!

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WIBW 580 - 6:45 A.M. Thurs;
KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.
emporialivestock.com

Deer Processing Workshop to be held in Herington

K-State Research and Extension Dickinson County & Flint Hills District will host a Deer Processing Workshop at the Herington Community Building, 810 S. Broadway, on Nov. 30th from 5:00 pm to 8:00 pm. Extension specialist Charlie Lee will discuss habitat management and deer disease, Kansas Wildlife and Parks Officer Cody Morris will cover rules and regulations when it comes to deer hunting, and to wrap up the evening, a deer processing demonstration with 1st Choice Meats, Jason Becker. Jason will discuss field dressing as well as how to completely process a deer on your own. This informative workshop is something any hunter would not want to miss.

Reservations by Nov. 27th to Dickinson County: (785) 263-2001 or Flint Hills District: (620) 767-5136. Cost is \$10 with meal included.

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Arkansas River Compact Administration to meet Dec. 10

The Arkansas River Compact Administration annual meeting will be Thursday, Dec. 10, 2015, at 9:00 a.m. Central Time at the Clarion Inn, 1911 E Kansas Ave, Garden City. The meeting will be recessed for lunch and reconvened for the completion of business in the afternoon as necessary.

ARCA administers provisions of the Kansas-Colorado Arkansas River Compact, including operations of the John Martin Reservoir. Topics to be covered at the annual meeting include a review of John Martin Reservoir operations, compliance update, committee reports, and updates from state and federal agencies.

Kansas has three representatives who serve on ARCA, including David Barfield, chief engineer of the Kansas Department of Agriculture's Division of Water Resources; Randy Hayzlett, Lakin; and Hal Scheuerman, Deerfield.

ARCA's operations, administrative, legal, and engineering committees will meet on Wednesday, Dec. 9, 2015, at 1:30 p.m. at the Clarion Inn.

The ARCA meetings are open to the public. Individuals who require special accommodation should notify Stephanie Gonzales at (719) 734-5367 at least three days prior to the meeting. The meeting agenda will be posted on ARCA's website at <http://www.co-ks-arkansasrivercompactadmin.org/http://www.co-ks-arkansasrivercompactadmin.org/>

The Kansas-Colorado Arkansas River Compact was negotiated in 1948 between Kansas and Colorado with participation by the federal government. Its stated purposes are to settle existing disputes and remove causes of future controversy between Colorado and Kansas regarding Arkansas River water and to equitably divide and apportion the water between Colorado and Kansas, including benefits arising from John Martin Reservoir.

JC LIVESTOCK SALES INC.

Wednesday Sale, Hogs NOON • Cattle 12:30 PM

For the week of November 18, 2015:

STEERS	11	870	150.00		
1	405	207.00	1	1015	142.00
13	639	184.50	Top Butcher Cow was \$76.00 @ 1,390 lbs.		
2	845	169.50	Top Butcher Bull was \$86.50 @ 1,860 lbs.		
7	687	166.50	Bred Cows: \$1,575 to \$1,950		
6	757	165.50	Pairs: \$1,825 to \$3,350		
6	784	155.50	Fat Hog Top: \$30.00 @ 286 lbs.		
HEIFERS				Sows: \$27.00 to \$30.00	
1	355	178.00	Pigs: No Test		
1	405	171.00			
11	820	160.00			
4	681	155.50			
4	803	154.00			
1	995	151.00			

NO SALE NOVEMBER 25th due to THANKSGIVING HOLIDAY!

CONSIGNMENTS FOR DECEMBER 2:

8 blk X Spring Bred Cows4&up bred AngusComplete Dispersal

80 Blk X Strs/Hftrs550-750 lbs.....Pre-Vacc.

60 Blk X Strs/Hftrs650-800 lbs.....Yearlings

45 Blk X Strs/Hftrs650-800 lbs.....Yearlings

PLUS MORE BY SALE DAY!

NO SALE DECEMBER 23rd due to CHRISTMAS.
We WILL have a Sale Dec. 30th (last sale of the 2015 year!)

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

Visit our new website at jccclivestock.com

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

For the week of November 17, 2015:

STEERS:	19	609	168.25		
2	423	208.00	6	547	165.00
3	468	206.00	3	708	164.00
3	520	204.00	2	733	157.00
4	530	200.50	2	905	149.00
22	665	190.50	5	1086	129.00
12	581	188.50	Top Butcher Cow: \$82.00 @ 1,310 lbs.		
16	668	185.00	Top Butcher Bull: \$93.50 @ 2,150 lbs.		
62	846	175.00			
11	758	170.50			
HEIFERS:				Bred Cows: \$975 to \$1,560	
1	390	184.00			
17	522	181.25			
7	544	176.50	Pairs: \$1,525 to \$1,875		

NEXT SHEEP & GOAT SALE:
SATURDAY, DECEMBER 5:
11 AM - Hay & Misc. Equipment
12:00 Noon Sheep & Goats

- 1 Reg. Boer Billy, Mulberry Meadows
- (1) 5 year old Doper Ram, good to go back

PLUS MANY MORE BY SALE DAY!

AUCTION

SATURDAY, DECEMBER 5 — 11:00 AM
3364 W. 1250 Rd. — CENTERVILLE, KS 66014

Due to the sale of our property the following items will be offered at public auction.

TRACTORS: Ford 8160 w/Quike 695 loader (with hay forks & bucket) 4,208 hrs.; John Deere 7410 FWA, NEW RUBBER! 5,117 hrs.; International 1086; 1948 Farmall H Great Shape, restored within the last 5 years; John Deere 4240 loader w/grapple & bucket, new front tires, 9,500 hrs.; John Deere 4430 new tires, 10,300 hrs.; Ford 4000 gas motor select o speed (transmission issue).

EQUIPMENT: Mowers: John Deere 4990 self propelled swather, 990 head impeller cond., 14', 10,000 hrs.; Hesston 1340 disc mower hydro swing; New Idea 5212 swather PARTS ONLY; Predator Modern Ag Products 15' Brush Hog; 2 10' Brush Hog; 6' Brush Hog 3 pt. hitch; Woods 84' finish mower; Balers: New Holland 660 6x5 round baler auto twine tie; Rakes: Tonutti 10' wheel rake; Trailers: 2002 Travalong alum stock trailer 24'x6'8 wide; 1997 Coose 28'x7' stock trailer triple axle; 2006 Longhorn 25' flatbed trailer, dual tandem axle, dovetail & ramps; Flipper hay trailer (7) 5' bales or (8) 4' bales; 45' box semi trailer; Belshie 16' dovetail bumper hitch trailer heavy duty; Dozer: Caterpillar D8 dozer; Misc. Equipment: Case IH 496 30' disc; 12' disc; Case 600 silage blower; Henke H14 mixer wagon; 21' heavy duty harrow; utility bed for dually pickup;

Miller Legend 3016 welder/generator; King Kutter 6' tiller; Priefert headgate & chute; King Kutter landscaping rake; cattle head gate; 3 backhoe buckets for a Kubota mini excavator (1 18" & 2 24"); **Feeding Equip.:** GWS pull behind 2 ton grain bin; 8 ton over head bin; heavy duty sq. hay feeders; mineral feeders; feed bunks; double sided calf creep feeders; calf creep feeder 500lb; **Misc.:** Numerous panels & gates; 12 rolls OK 4 pt. barb wire; 10 30' sticks 6" 1/4" wall; large asst. pipe & tubing; (2) 300 gal. fuel tanks on stands; 3 pt. bale unroller; 3 pt. blade; 3 pt. blade spear; 100 gal. sprayer; Porta Cooler. **TRUCKS:** 2014 Dodge Ram 3400 4x4 Quad Cab w/Krogman Balke bed & orig. bed, Tradesman pkg., power doors & windows, 12,000 miles LIKE NEW!; 1967 Ford dump truck; 1987 International s9100 w/490-14 Roto-Mix feed mixer; 1985 Ford 8000 w/Roto-mix 490-14 feed mixer; 2006 Dodge Ram 3500 Lonestar pkg., 4x4, 4WD, 96,000 miles, Longhorn utility bed. **CAMPERS:** 1997 Jayco 26' bumper hitch camper trailer; American Star camper trailer. **ATVs:** Polaris Ranger 700 XP; Polaris Expedition 425 4x4 4-Wheeler; Artic Cat 500 PARTS ONLY. **BOAT:** 1987 Champion Bass boat 18' 150HP & trailer NICE BOAT!

All Statements made the day of the auction proceed with written statements.

CLINT & FRANNY EASTWOOD FARM EQUIPMENT
CLIFTON & JOHNSON AUCTION COMPANY
Auctioneers: Tim Clifton & Trenton Johnson
Tim • (620) 224-6881 / Trenton • (620) 496-6699

New location secured for KARTA conference

The Kansas Ag Research and Technology Association (KARTA) and K-State Research and Extension are proud to announce that due to popular demand, its winter conference will be moving to a bigger facility in January of 2016. The 19th Annual Kansas Agricultural Technologies Conference will be held January 21-22, 2016 at the Courtyard by Marriott and adjacent convention center in Junction City.

This annual event brings hundreds of agricultural producers and industry leaders for a two-day interactive workshop on the use

of technology in the ever-changing agriculture industry. "Our winter conference has been growing tremendously over the last few years, but last year we were bursting at the seams in Salina," says Jeff Buehler, 2015 KARTA Board president. "Our volunteer board made the decision to research other venues, and are confident that the Marriott in Junction City will better serve our conference needs now and as we continue to grow in the future."

Those in attendance at the conference will hear presentations from dynamic speakers on a wide variety

of topics dealing with precision agriculture. The two-day event also includes vendor displays, the KARTA Annual Meeting, research presentations from grant recipients, and an interactive evening discussion that is always an attendee favorite.

Anyone who signs up on or before January 15th can receive a \$50 discount on their conference registration, bringing the conference price to \$175 per person (which includes meals and refreshments). There is also a subsidized student rate of \$50 per person, catered to agricultural students at all of the state's

post-secondary educational institutions.

The funds generated through the association dues and conference registrations are used to provide grants to facilitate on-farm research projects and instructional workshops on the hardware and software necessary to conduct agricultural research trials. Registration for the two-day conference is \$175 per person prior to January 15th, or \$225 per person after that deadline. There is also a \$50 discount for KARTA members, and new members can always sign up on their conference registration form.

For more information or to register, visit www.kartaon-line.org on Twitter and Facebook. Be sure to follow

Camelina cover crops a boon for bees

By Jan Suszkiw

Camelina is an herbaceous, yellow-flowering member of the mustard family whose oil-rich seed and cold tolerance has piqued the interest of U.S. Department of Agriculture (USDA) scientists for its potential as both a winter cover crop and biodiesel resource.

Now, in the process of studying this plant, scientists with USDA's Agricultural Research Service (ARS) have found that its flowering period can provide honey bees and other insects with a critical, early-spring source of nectar and pollen that's usually unavailable then. This is especially true in Minnesota, South Dakota and North Dakota, where about one-third of the nation's managed bee colonies are kept from May through October.

The researchers observed that fields of winter camelina and winter canola (another alternate oilseed crop) produced about 100 pounds per acre of nectar sugar over the course of a two- to three-week flowering season. That quantity, produced in such a short time, is enough to support

the annual energy requirements of a typical bee hive, which is 100-200 pounds of sugar per year, according to Frank Forcella, an agronomist with ARS' Soil Management Research Unit in Morris, Minnesota. He participated on a team of ARS and university scientists which evaluated the attractiveness of camelina, canola and a third oilseed crop—pennycress—during two years of outdoor field trials.

Highlights of the team's findings—reported in the June 2015 issue of *Industrial Crops and Products*—are:

Insect counts showed that, besides honey bees, the three oilseeds also attracted wild bee species, butterflies, beetles, and hoverflies, whose larval stage feeds voraciously on aphids.

Insects visited flowering canola up to 15 times more often than pennycress and camelina, perhaps because of higher nectar levels in each individual flower, which are much larger than those of camelina and pennycress.

Canola failed to bloom during one of the study years, a reflection of it

being less cold-hardy than the other two oilseeds.

Camelina earned the highest marks overall, thanks to its optimal combination of desirable agro-

nomie traits.

Read more about this research in the November issue of *AgResearch*. ARS is USDA's chief intramural scientific research agency.

AUCTION

FRIDAY, DECEMBER 11

195 E. 650 Rd — OVERBROOK, KANSAS
10 AM: TOOLS MISC. • REAL ESTATE: NOON
TRACTORS, MODEL T & EQUIPMENT Sell after Real Estate



Approx 2000sf Home. 2 Baths, Full Basement, Great Room w/fire place, Utility room, Mud Room, Den Office, Kitchen w/island sink/dishwasher, Master bath w/garden corner tub/shower/2 sinks. Large 40'x60' QSI built shop w/sealed cement floor/walk-in/roll up door built 2014. (2) Wind generators & solar chargers (no batteries). Rural water, Propane gas, Nice location, 7 acres on corner w/road on 2 sides.

OPEN HOUSE: Saturday, Nov. 28, 1-5 PM & shown by appointment
View website or call for flyer.

LINDSAY AUCTION SERVICE INC. • 913.441.1557
www.lindsayauctions.com

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 64 Years!
****STARTING TIME: 12:00 NOON****

MARKET REPORT FOR TUESDAY, NOVEMBER 17, 2105
RECEIPTS: 595 CATTLE

STEERS		4 hols str		406@151.00	
7 blk str	394@246.00	4 blk red str	700@150.00		
6 blk str	274@245.00	10 blk str	892@148.00		
6 blk str	480@227.00	18 hols str	491@147.50		
6 blk str	515@215.00				
5 blk str	375@208.00	HEIFERS			
6 blk str	518@203.00	3 blk hfrs	361@217.50		
5 blk str	521@193.00	6 blk hfrs	375@217.50		
7 blk str	552@191.00	5 blk hfrs	440@186.00		
4 blk str	565@182.00	5 blk char hfrs	483@178.50		
9 blk str	602@181.00	6 bwf rwf hfrs	525@176.50		
4 blk bwf str	562@170.00	8 blk hfrs	495@175.50		
4 blk str	645@169.00	4 blk hfrs	466@175.00		
3 blk str	628@168.00	5 blk hfrs	537@174.00		
4 blk males	582@166.00	5 blk char hfrs	529@173.00		
7 red blk str	751@165.00	8 blk hfrs	546@170.00		
6 blk str	730@164.50	4 blk hfrs	493@169.50		
6 blk red str	734@163.50	11 blk bwf hfrs	620@164.60		
15 blk str	672@161.50	8 blk hfrs	551@163.75		
3 blk str	688@161.00	2 blk hfrs	640@159.50		
6 blk gry str	701@155.00	3 blk bwf hfrs	566@157.50		
		6 blk hfrs	665@152.00		

DECEMBER 1—SPECIAL 64TH ANNIVERSARY CALF & YEARLING AUCTION—12 NOON Free customer appreciation meal beginning at 11 A.M. We will be proud to host the Livestock Marketing Association 2015 World Livestock Auctioneer Champion, Mr. Brandon Neely, Southside, Alabama. Please join us December 1 and enjoy the day with our auction family.

16 mix s&h 400-600 w&v 65 blk s&h 500-700 w45d&v2
56 mix s&h 450-650 50 blk s&h 550-650 w&v
100 blk bwf s&h 450-650 20 mix s&h 550-650 w45d&v2
27 blk s&h 500-600 w90&v2 12 mix s&h 550-725 w40d&v
100 mix s&h 500-650 40 blk s&h 600-700
37 blk bwf s&h 500-650 35 blk bwf s&h 650-800 w&v
w90d&v2 40 blk s&h 700-750 w&v
35 blk bwf rwf s&h 500-675 12 mix str 900-950
w75d&v2 57 mix str 900-925
21 blk s&h 550-650 w60d&v
40 blk bwf s&h 500-700 fall vacc many more cattle expected

DECEMBER 5—PERSONAL PROPERTY AUCTION FOR ROGER & RUTH WOOD/R&R WOOD, INC. NORTH OF MERIDEN, KS

DECEMBER 8—REGULAR WEEKLY AUCTION—12 NOON

DECEMBER 11—SPECIAL COW & BULL AUCTION—6 P.M.

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

View our auctions live at lmauctions.com

WASHINGTON COUNTY LIVESTOCK, LLC
Locally owned & operated
WASHINGTON, KS — PHONE 785-325-2243
Fax: 785-325-2244
If you have cattle to sell, please call us anytime!

Results from 11-16-15:

1 red HEIFERETTES	24 black	436@213.00
1 black	12 black	452@208.50
1 red	4 Charolais	394@208.00
1 red	2 black	465@207.50
1 red	33 black	631@185.50
1 red		
1 black		
1 black	1 black	1135@95.00
1 black	1 red	1000@94.00
1 black	1 black	1095@90.00
1 black	1 black	1165@87.50
1 black	1 black	950@82.00
1 black	1 red	1245@79.00
1 red	1 black	1235@78.00
	1 red	1355@76.00
1 black HEIFERS	1 red	1550@76.00
2 mix	1 red	1200@76.00
2 mix	1 black	1340@75.50
2 black	1 red	1240@75.00
19 black	1 red	1760@74.50
33 black	1 black	1555@74.50
	1 black	1585@74.00
STEERS		
48 black	366@245.00	

Don't Forget the Video as an option to market your cattle
View our live auctions at www.lmauctions.com
Manager: Matt Kruse, 785-556-0715
Fieldman: Terry Ohlde: 785-747-6554
View our website for current market report!
www.washingtoncountylivestock.com

Paola Livestock Auction, Inc.
P.O. Box 251 • 26701 Eagle Drive
Paola, KS 66071 • 913-294-3335
Sale Every Friday 1 PM

SPECIAL BRED COW SALE
SUNDAY, DEC. 6TH, 2015 1:00PM

Complete Cowherd Dispersal for Flatstone Cattle Co
• 62 cow/calf pairs, calves out of black Balancer bulls
29 blk fall cow/calf pairs, 6-8 years old
10 blk fall cow/calf pairs, 2 years old
15 blk/bwf fall cow/calf pairs, running ages
8 red/ Hereford fall cow/calf pairs, running ages
• 12 blk/bwf 2 yr. old bred cows, bred to LBW Balancer bull to start calving Feb. 13th
• 14 blk/bwf 3 yr. old bred cows, bred to Gelbvieh bull to start calving Feb 1st
• 43 blk/bwf bred cows bred to black Balancer bulls to start calving Feb. 1st, ten are 4 yrs. old, bal are running ages
• 23 red/Hereford bred cows bred to Balancer or K-State Angus bulls to start calving Feb. 1st, 5 yrs. old to running ages

2 two year old black Balancer bulls
1 four & half year old black Balancer bull
1 three year old purebred black Gelbvieh Bull
1 four year old black Gelbvieh Bull

We are taking more consignments for this sale, but please only young cows or pairs that are suitable to go back into someone else's herd.

For more information call
Maurie Bourquin Josh Bourquin Salebarn
913-731-4348 913-731-4240 913-294-3335

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 11-19-15 Head Count: 1573
300-400 lb. steers, \$170-\$245; heifers, \$150-\$229; 400-500 lb. steers, \$160-\$225; heifers, \$140-\$201; 500-600 lb. steers, \$150-\$205; heifers, \$140-\$197; 600-700 lb. steers, \$140-\$178; heifers, \$135-\$159; 700-800 lb. heifers, \$130-\$153. Trend on Calves: Choice steer & heifer calves, steady to \$3 lower. Trend on Feeder Cattle: Not enough feeder steers & heifers for a good market test. Butcher Cows: High dressing cows, \$62.50-\$77; Avg. dressing cows, \$57.50-\$62.50; low dressing cows, \$45-\$57.50. Stock Cows: Bred cows, \$750-\$2375; Cow/Calf Pairs, \$1400-\$2950. Butcher Bulls: Avg. to high dressing bulls, \$80-\$93. Trend on Cows and Bulls: Butcher Cows, steady; Butcher Bulls, steady to \$3 lower.

We will BE CLOSED Thurs., Nov. 26th for the Thanksgiving Holiday!

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

Chris Locke (316) 320-1005 (H)
(316) 322-0675 (M)
Larry Womacks, Fieldman (620) 394-3273 (H)
(620) 229-0076 (M)

Steven Hamlin (602) 402-6008 (H)
(620) 222-1199 (M)
Van Schmidt, Fieldman (620) 367-2331 (H)
(620) 345-6879 (M)

Cattle Sale Every Thursday 11:00 AM

Call us for Catalogs, Sale Flyers, Magazines, Calendars, Brochures, Books, Newspapers. Ask for Sandra
AG PRESS
785-539-7558

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

On Thursday, Nov. 19 we had 1679 head of cattle on a very active market

STEERS	46 bk bwf rbf919@166.90	6 bk red	584@173.00		
2 bk	333@262.00	51 mix	855@165.70		
3 bk	285@236.00	54 bk bwf	919@161.50		
31 bk bwf	518@212.00	16 bk bwf	937@160.50		
7 bk bwf	550@205.00	68 mix	940@158.25		
5 bk	514@200.00	43 mix	950@157.50		
12 bk red	543@196.00	12 bk bwf wf992@157.25	18 bk red	752@158.00	
13 bk	593@191.00	11 mix	977@157.00	61 mixed	786@158.00
9 bk	586@189.00	14 bk bwf	972@156.50	20 bk bwf	795@158.00
15 bk bwf	611@186.75			8 bk red	593@155.50
7 bk	617@186.00	2 bk bwf	393@193.00	30 mix	820@155.00
75 bk bwf	619@184.50	6 bk	483@188.50	10 mix	675@152.00
28 bk red	Char606@182.00	6 bk bwf	519@187.00	9 bk bwf	882@145.75
9 bwf wf	688@176.25	8 bk	521@187.00	12 bk red	863@140.25
9 bwf wf	688@176.25	24 bk bwf	484@185.00	6 bk	961@139.25
15 bk Char705@175.00		21 bk	548@181.00	4 red	1245@119.00
9 bk	694@169.00	16 bk	608@174.25	4 bwf wf	1020@130.00
27 bk bwf	703@167.75	70 bk bwf	575@174.00	2 bk	1218@128.00

Butcher Cows: \$54-86, mostly \$70-\$80 very active.
Butcher Bulls: \$80-\$102, mostly \$90-\$98 very active.
Preg Cow \$800-1500

BUTCHER COWS	2 bk	1438@79.50	
1 bk cow	1795@86.00	BUTCHER BULLS	
1 bk	1485@84.25	1 bk	1710@102.50
1 bk	1495@84.00	1 bk	2165@100.00
1 bk	1375@83.00	1 bk	2125@99.50
1 bk	1460@82.50	1 bk	1775@99.00
1 yellow	1520@81.50	1 Char	1965@97.00
3 wf	1565@79.50		

No Sale Nov. 26 Happy Thanksgiving
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

Clay Pelton earns NJAA Junior Bronze and Silver awards

Clay Pelton, Paradise, has earned the National Junior Angus Association's (NJAA) Bronze and Silver awards, according to Jaelyn Clark, education and events director of the American Angus Association® in Saint Joseph, Mo.

The 13-year-old son of Chris and Susan Pelton attends Paradise Junior High School and is a member of the NJAA and the Kansas Junior Angus Association.

He has participated in state and national shows and showmanship contests. At the National Junior Angus Show (NJAS), Clay participated in quiz bowl, team sales, extemporaneous speaking and livestock judging contests and the All-American Certified Angus Beef® Cook-Off. He was a participant in the mentoring program in 2010 and then again in 2012-2015.

He has submitted weight data to the Angus Herd Improvement Records (AHIR®).

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, then meet point requirements in many areas of participation before receiving the honors. Applicants are evaluated in areas of junior Angus association activities 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-development opportunities for the nearly 6,000 active members nationwide.

ASA welcomes White House, FDA GMO labeling developments and calls on Senate to move legislation forward

The American Soybean Association (ASA) welcomes guidance issued by the U.S. Food and Drug Administration that establishes guidelines for the uniform, voluntary labeling for non-GMO foods. Establishing a uniform standard for voluntary labeling has been a key part of ASA's push to reduce consumer confusion about which foods do and do not contain ingredients derived from biotechnology.

"ASA is happy to see the guidance from FDA that affirms that voluntary rather than mandatory labeling is the correct science-based and health policy," said ASA president and Texas farmer Wade Cowan. "This concept has been at the heart of our work on a legislative solution that would provide more clarity to consumers, and we're encouraged to see that part of the process move forward."

ASA also pointed to news today out of the White

House that the administration has rejected a petition calling for the mandatory labeling of GMO's as indication that the discussion on biotechnology in the consumer marketplace is moving according to science, rather than misconception.

"We have consistently said that explicit labeling should be reserved for health or safety concerns, and science has time and time again proven that these concerns don't apply to GMOs," added Cowan.

"Slapping a warning label on the front of a food product when no such warning is warranted will only serve to steer people away from the safe and affordable food they need to feed their families. The White House has chosen science over rhetoric today, and we applaud them for it."

Cowan further suggested that the news creates the momentum needed to get labeling legislation that would prevent a patchwork of mandatory state labeling

laws passed in the Senate prior to the holiday recess at the end of the year.

"Winter is coming," Cowan said. "The Senate has the ability in the coming weeks to establish a path forward on labeling that is based in science and doesn't stigmatize a safe and proven technology, but at the same time provides consumers with the information they want. We encourage senators to keep moving forward with their work."

Grass & Grain Weather Report Nov. 24, 2015

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook																																								
TUESDAY Mostly Sunny High: 56 Low: 40 WEDNESDAY Mostly Cloudy High: 58 Low: 43 THURSDAY Few Showers High: 56 Low: 39 FRIDAY Partly Cloudy High: 55 Low: 39 SATURDAY Partly Cloudy High: 56 Low: 38 SUNDAY Partly Cloudy High: 57 Low: 35 MONDAY Mostly Sunny High: 59 Low: 37	Today we will see mostly sunny skies with a high temperature of 56°, humidity of 62%. The record high temperature for today is 78° set in 2007. Expect mostly cloudy skies tonight with a slight chance of showers, overnight low of 40°. The record low for tonight is 2° set in 1959. 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>11/12</td><td>63/30</td><td>56/32</td><td>0.00"</td></tr> <tr><td>11/13</td><td>67/23</td><td>55/31</td><td>0.00"</td></tr> <tr><td>11/14</td><td>71/41</td><td>55/31</td><td>0.00"</td></tr> <tr><td>11/15</td><td>60/44</td><td>54/30</td><td>0.00"</td></tr> <tr><td>11/16</td><td>62/51</td><td>54/30</td><td>0.01"</td></tr> <tr><td>11/17</td><td>65/46</td><td>53/30</td><td>1.18"</td></tr> <tr><td>11/18</td><td>60/40</td><td>53/29</td><td>0.04"</td></tr> </tbody> </table> Rainfall last week: 1.23" Normal rainfall: 0.49" Departure from normal: +0.74" Average temp last week: 51.6° Average normal last week: 42.4° Departure from normal: +9.2°	Date	Hi/Lo	Normals	Precip	11/12	63/30	56/32	0.00"	11/13	67/23	55/31	0.00"	11/14	71/41	55/31	0.00"	11/15	60/44	54/30	0.00"	11/16	62/51	54/30	0.01"	11/17	65/46	53/30	1.18"	11/18	60/40	53/29	0.04"									
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Local UV Index 	Weather History Nov. 24, 1863 - The Civil War's "battle above the clouds" was fought on Lookout Mountain near Chattanooga. Pre-frontal clouds obscured the upper battlefield. These weather conditions contributed to a victory for Union forces.	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>11/12</td><td>0</td><td>11/16</td><td>6</td></tr> <tr><td>11/13</td><td>0</td><td>11/17</td><td>6</td></tr> <tr><td>11/14</td><td>6</td><td>11/18</td><td>0</td></tr> <tr><td>11/15</td><td>2</td><td></td><td></td></tr> </tbody> </table>	Date	Degree Days	Date	Degree Days	11/12	0	11/16	6	11/13	0	11/17	6	11/14	6	11/18	0	11/15	2																						
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FULMER'S Kansas Premium Meats & Eatery

SUPER SATURDAY!

10% OFF EVERYTHING! • December 5 from 9-5

- Meats
- Jerky
- Seasonings
- Salsa & more

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 30 minutes west of Topeka on Hwy. 24 • 785-456-6500

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Sell At St. Marys

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

We sold 1227 cattle November 17. Steer and heifer calves were in good demand at prices that were steady to higher. Feeder steers and heifers were steady to \$3.00 higher. Cows and bulls sold steady to \$3.00 lower.

STEER & BULL CALVES	HEIFER CALVES	STOCKER & FEEDER STEERS	STOCKER & FEEDER HEIFERS
4 blk str/bulls 314 @ 247.00	8 blk/bwf str 714 @ 165.00	15 blk/char str 553 @ 187.00	16 blk hfrs 584 @ 175.50
1 blk str 340 @ 239.00	58 mix str 937 @ 163.50	2 blk str 585 @ 180.00	7 blk hfrs 609 @ 175.00
3 blk str 380 @ 234.00	58 blk/red str 913 @ 163.25	9 blk/red str 571 @ 179.00	9 blk hfrs 644 @ 171.00
12 blk/bwf str 427 @ 229.00	60 mix str 948 @ 163.25	4 blk/char str 581 @ 179.00	13 blk hfrs 615 @ 167.25
7 blk str 384 @ 227.00	6 blk hfrs 423 @ 205.00	15 blk str 642 @ 172.75	29 mix hfrs 632 @ 160.00
5 blk str 450 @ 222.00	4 blk hfrs 483 @ 204.00	6 blk str 672 @ 170.00	65 mix hfrs 802 @ 159.25
6 blk str 424 @ 217.00	3 blk/bwf hfrs 423 @ 203.00	8 blk str 724 @ 169.50	58 blk/red hfrs 828 @ 158.00
2 blk/bwf str 460 @ 216.00	2 blk hfrs 355 @ 202.00	25 mix str 651 @ 167.50	61 blk/bwf hfrs 903 @ 153.50
8 blk str 432 @ 215.00	3 blk hfrs 382 @ 202.00	59 blk/bwf str 896 @ 167.25	46 mix hfrs 817 @ 145.00
7 blk str 479 @ 201.00	2 blk hfrs 345 @ 190.00	118 mix str 923 @ 167.10	
4 char str 475 @ 196.00	9 blk hfrs 443 @ 187.00	6 blk str 703 @ 167.00	
2 blk str 515 @ 196.00	30 blk/bwf hfrs 480 @ 187.00	4 blk/bwf str 661 @ 165.00	
17 blk/bwf str 521 @ 192.00	5 blk hfrs 393 @ 183.00		
2 x-bred str 498 @ 190.00	10 blk hfrs 500 @ 183.00		
7 blk/red str 525 @ 190.00	2 blk/bwf hfrs 425 @ 181.00		
2 blk/bwf str 543 @ 182.00	4 blk hfrs 538 @ 176.00		
5 x-bred str 473 @ 175.00	6 x-bred hfrs 497 @ 171.00		
3 blk/bwf bulls 517 @ 170.00	3 blk/red hfrs 442 @ 170.00		
	14 blk hfrs 540 @ 166.00		
	6 blk/char hfrs 508 @ 165.00		

COWS & HEIFERETTES

1 blk cow 1370 @ 62.50	1 blk cow 1370 @ 62.50
1 bwf cow 1535 @ 62.00	1 blk cow 1305 @ 61.50
1 blk cow 1080 @ 61.00	1 blk cow 1080 @ 61.00
1 char cow 1005 @ 60.00	1 blk cow 1520 @ 59.50
1 blk cow 1520 @ 59.50	1 blk cow 1170 @ 57.00
1 blk cow 1055 @ 56.00	1 blk cow 1175 @ 55.00
1 blk cow 1085 @ 54.00	

BREED COWS & HEIFERS

1 blk cow @ 1475.00	1 blk cow @ 1375.00
2 blk cows @ 1350.00	1 bwf cow @ 1325.00
3 blk cows @ 1285.00	3 blk cows @ 1285.00
1 blk cow @ 1257.50	1 blk hfr @ 1250.00
1 sim cow @ 1225.00	2 blk/bwf cows @ 1210.00
1 blk cow @ 1200.00	1 wf cow @ 1175.00
1 blk cow @ 1150.00	6 blk/bwf cows @ 1135.00
1 blk cow @ 1125.00	1 blk cow @ 1100.00
1 blk cow @ 1050.00	1 blk cow @ 975.00
5 blk cows @ 950.00	1 blk cow @ 925.00

COW/CALF PAIRS

1 blk cow/cf @ 2100.00
1 blk cow/cf @ 1900.00

BULLS

1 blk bull 1245 @ 95.50	1 wf bull 1800 @ 90.00
1 blk bull 2060 @ 95.00	1 limo bull 1535 @ 85.00
1 blk bull 1970 @ 93.00	1 blk bull 1570 @ 84.50
1 blk bull 1235 @ 91.00	1 red bull 1990 @ 83.50
	1 blk bull 1200 @ 82.00

CONSIGNMENTS FOR NOVEMBER 24:

- 35 Angus bwf bred heifers, weighing 1,000-1,050 lbs., bred to Nemaha Valley low birth wt. bull, OCV'd, homeraised or locally bought, nice gentle heifers, start calving February 15
- 15 blk bred heifers bred to Mill Brae low birth wt. bull, OCV'd, 2 Scourguard shots, homeraised, start calving March 1

The above bred heifers will sell 12:00-12:30

- 150 black str & hfrs, 500-600 lbs., weaned, vacc.
- 23 black steers & heifers, 500-600 lbs., vacc.
- 120 black heifers, 800-825 lbs.
- 75 black heifers, 700-725 lbs.
- 58 black steers, 900-925 lbs.
- 61 black crossbred steers, 900-925 lbs.
- 60 black Charolais steers, 850-875 lbs.
- 60 black steers, 900-925 lbs.
- 215 black Red Angus steers, 875-950 lbs.

PLUS MORE BY SALE TIME!

CONSIGNMENTS FOR DECEMBER 1:

- 140 blk steers & heifers, 500-600 lbs. vacc.
- 51 Angus Sim str & hfrs, 500-700 lbs., weaned, vacc.

PLUS MORE BY SALE TIME!

WATCH OUR AUCTIONS LIVE ON DVAAuctions.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:

REZAC BARNST. MARYS, 785-437-2785 LELAND BAILEY . . .TOPEKA, 785-286-1107
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