

# MANHATTAN

**COMM. CO. INC.**

**CATTLE AUCTION EVERY FRIDAY**



**1-800-834-1029**  
**Toll-Free**

**STARTING 10:00 A.M. ON WEIGH COWS**  
**FOLLOWED BY STOCKER FEEDERS — 11:00 A.M.**

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Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to [www.grassandgrain.com](http://www.grassandgrain.com) & logging onto the online subscription

**For our sale Friday, Dec. 4 light calves were selling at steady to weaker prices compared to our last sale of Nov. 20. Feeder weight cattle were also selling on a lower trend. Cull cows and bulls sold \$2 to \$3 lower on a good test.**

**STEER CALVES — 345-550 LBS.**

Berryton	4 blk	446@226.00
Lawrence	15 blk	443@225.00
McLouth	4 blk	456@222.50
Tonganoxie	6 blk	345@214.00
Shawnee	18 blk	471@212.00
Tonganoxie	6 blk	558@200.00
Westmoreland	7 blk	506@198.00
Manhattan	9 blk	545@197.00
Bonner Springs	11 blk	530@196.00
Lawrence	29 blk	546@194.50
Manhattan	9	545@182.00
Wamego	7 blk	525@180.50
Blaine	5 xbred	487@132.00

**FEEDER STEERS — 565-825 LBS.**

Carbondale	17 blk	565@190.50
Berryton	9 blk	578@190.00
Frankfort	5 blk	565@189.00
Shawnee	30 blk	565@187.50
Bonner Springs	34 blk	622@184.00
McLouth	5 blk	583@177.50
Blaine	6 blk	575@176.50
Shawnee	79 blk	652@175.00
Lawrence	9 blk	637@174.50
Soldier	12 blk	572@174.50
Wamego	7 blk	596@173.00
Westmoreland	6 blk	635@170.00
Topeka	4 blk	667@165.50
Soldier	7 blk	667@161.50
Carbondale	13 blk	685@161.50
Manhattan	10 blk	686@161.00
Tonganoxie	12 blk	610@161.00
Tonganoxie	6 blk	553@160.50
Wheaton	16 blk	690@160.50
Basehor	13	702@159.50
Onaga	7 blk	704@159.00
Alta Vista	9 blk	662@158.00
Basehor	22 blk	818@157.50
Wamego	8 blk	676@156.00
Blaine	11 blk	662@156.00
Shawnee	8 blk	780@155.00
Blaine	8 blk	763@153.50
Alta Vista	7 blk	780@149.50

**HEIFER CALVES — 335-550 LBS.**

Lawrence	5 blk	336@199.00
Tonganoxie	6 blk	352@194.00
Shawnee	12 blk	411@188.00
Linwood	6 xbred	392@184.00
Beattie	7 blk	414@183.00
Lawrence	13 blk	448@182.00
Barnard	8 Hereford	493@179.00
Topeka	5 blk	439@178.00
Bonner Springs	20 blk	516@174.50
McLouth	9 blk	483@173.50
Westmoreland	4 blk	463@171.00
Shawnee	52 blk	511@170.00
Bonner Springs	5 blk	476@169.00
Tonganoxie	11 blk	425@168.00
Beattie	6 blk	485@160.00
Soldier	10 blk	479@160.00
Frankfort	7 blk	493@160.00
Blaine	4 blk	538@157.00
Tonganoxie	13 blk	498@154.00
Wamego	5 blk	525@153.50
Alma	4 blk-x	510@150.50

**FEEDER HEIFERS — 550-850 LBS.**

Lawrence	5 blk	551@167.00
Shawnee	17 blk	567@162.50
Cottonwood Falls	6 blk	623@160.50
Manhattan	8 blk	583@158.00
Basehor	13 blk	663@157.00
Alma	5 xbred	638@156.00
Junction City	5 Hereford	668@153.50
Westmoreland	8 blk	580@153.00
Blaine	5 blk	625@151.00
Silver Lake	4 xbred	556@150.00
Basehor	23 blk	755@149.00
Tonganoxie	10 blk	582@147.00
Matfield Green	10 blk	851@146.00

Eskridge	5 blk	573@144.50
Soldier	4 blk	585@143.50

**COWS & HEIFERETTES — 900-1,700 LBS.**

Wakefield	1 blk	955@120.00
Shawnee	1 bwf	1165@118.00
Goff	1 blk	1035@115.00
Randolph	1 bwf	1230@115.00
Council Grove	1 blk	1040@113.00
Burlingame	1 blk	1180@113.00
Topeka	1 blk	1070@110.00
Shawnee	1 blk	1200@109.00
Manhattan	1 blk	935@107.00
Wetmore	1 blk	1385@107.00
Goff	1 blk	975@105.00
Wetmore	1 blk	1395@102.00
Topeka	1 blk	1170@101.00
Westmoreland	1 blk	910@97.50
Wheaton	1 blk	1125@91.00
Manhattan	1 blk	1040@90.50
Burlingame	1 blk	1180@87.50
Westmoreland	1 blk	990@87.00
Wetmore	1 blk	1305@85.00
Alta Vista	1 blk	1350@78.50
Waterville	1 blk	1215@78.00
Harveyville	1 xbred	1325@78.00
Randolph	1 xbred	1585@77.00
McLouth	1 blk	1495@76.25
Waterville	1 blk	1390@76.00
Muscotah	1 blk	1350@76.00
Wheaton	1 blk	1440@75.50
Waterville	1 blk	1355@75.00
Alma	1 blk	1375@75.00
Frankfort	1 blk	1125@74.50
Hiawatha	1 blk	1485@74.50
Baldwin City	1 blk	1085@74.00
McLouth	1 blk	1225@74.00
Alma	1 bwf	1555@74.00
Manhattan	1 blk	1560@73.50
Spring Hill	1 blk	1400@73.50
Harveyville	1 blk	1410@73.50
Alma	1 blk	1585@73.00
Junction City	1 xbred	1465@71.50
Waterville	1 blk	1450@70.50
Waterville	1 Hereford	1450@70.50
Frankfort	1 blk	1215@70.00
Baldwin City	1 xbred	1460@70.00
Meriden	1 blk	1285@70.00
Wheaton	1 blk	1545@70.00
Berryton	1 blk	1385@69.00
Randolph	1 bwf	1195@69.00

Wheaton	1 blk	1355@69.00
Riley	1 blk	1460@68.50
Alma	1 blk	1405@68.50
Council Grove	1 bwf	1690@68.00
Waterville	1 blk	1245@67.50
Westmoreland	1 blk	1240@67.00
Wetmore	1 blk	1375@67.00
Wheaton	1 blk	1415@65.50
Manhattan	1 blk	1195@64.00
Hoyt	1 bwf	1450@64.00
Manhattan	1 bwf	1265@61.00
Maple Hill	1 Hereford	1220@60.00
Barnard	1 Hereford	990@59.00

**BRED COWS BY THE HEAD**

Wakefield	33 blk	Age 2	Mo. 7-8	@2050.00
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**BULLS — 1,525-2,275 LBS.**

Junction City	1 blk	2260@94.50
Goff	1 blk	2010@92.00
Topeka	1 blk	1985@91.00
Vliets	1 xbred	1585@90.00
Waterville	1 blk	1790@90.00
Westmoreland	1 blk	1780@87.00
Vermillion	1 blk	1850@83.00
Wheaton	1 blk	1535@75.00



**SPECIAL COW SALE DECEMBER 16 • STARTING AT 11:00 AM**

117 Reputation black OCV 1st calf heifers, all should be AI bred to LBW Angus Easy Money or Net Present Value

- bulls and are due Feb. 2. Heifers will be sorted according to the sex of the calf. Heifers are pelvic measured, BVD-PI tested negative, have had all shots including 1st round of Scourguard
- 100 choice homeraised Angus OCV 1st calf heifers, AI bred Angus Bismark bull. Clean up w/Dalebanks Final Answer sons. Heifers are pelvic measured, due Feb. 15th
- 60 choice homeraised OCV Angus & bwf 1st calf heifers bred to LBW Mill Brae and Moser Angus bulls to start calving Feb. 1
- 45 big homeraised OCV Angus & bwf 1st calf heifers, bred to LBW Oleen Angus bulls, due to calve Feb. 20th
- 34 Big Fancy Angus 1st calf hfrs, Fink Angus bulls turned in May 9th for Feb. calves
- 29 homeraised choice reputation OCV Angus 1st calf heifers sired by Bando, Final Answer and Cedar Ridge Angus bulls. Several are AI bred to Barretts 384 Angus bull and cleaned up with Final Answer sons, start calving Feb. 1 for 50-day calving
- 25 OCV Angus 3 yr old 2nd calf heifers, bred to Angus bulls, due March 25th
- 25 big blk cows, SS & older, bred Angus for early Feb. calving
- 20 Big Black 1st calf heifers w/Sept-Oct Angus-sired calves by side, running back w/homozygous Gelbvieh blk Polled bull
- 20 Big Fancy Angus - Gelv. X OCV 1st calf heifers, AI bred to Judd Marshall Balancer bull. All breeding shots, 1st round 4kc Scourguard, pelvic measured
- 15 blk 1st calf heifers w/Sept-Nov. 1 Red Angus sired calves by side. Heifers running back with blk Angus bull since Nov. 11. Heifers and calves all worked
- 15 blk SS to older cows w/Sept.-Nov. Angus sired calves by side
- 15 choice Angus OCV 1st calf heifers bred to LBW Advantage Angus bull to calve Feb. 2nd, 1 rd Scourguard, poured
- 12 OCV black 1st calf heifers, AI bred to Conneally Right Answer bull, due Feb. 4th
- 12 Registered Hereford heifers & 18 Red Angus heifers X, heifers AI bred to OCC Extra Easy Angus bull, clean up w/Ohlde Angus bull to calve Feb. 15th
- 10 Red Angus OCV yearling replacement heifers
- 9 blk cows, running ages, bred to Dalebanks Angus bull for spring calves
- 8 Red Angus 1st calf heifers w/Sept-Nov. 1 Red Angus sired calves by side. Heifers running back with blk Angus bull since Nov. 11. Heifers and calves all worked
- 7 Red Angus 2nd calf heifers, homeraised, OCV, bred to Red Angus bulls for March-April calves
- 6 Red Angus 1st calf OCV heifers, AI bred to Red Angus bull, clean up w/Mark Harms Red Angus bull for Feb. 6, 60 day calving
- 5 blk cows, 4-8 yrs old w/45 day old calves by side, exposed back Simm
- 5 Red Angus cows, 3-5 yrs old, bred to Harms Red Angus bull for Feb. 6th, 60 day calving period
- 4 blk cows, 4-8 yrs old, bred to blk bull for March 1 calving
- (1) 3-year-old Red Angus bull, Easy Calver Ranch breeding. Trich & semen tested
- (1) 30-month-old Purebred Angus 1st calf heifer w/60 day old Angus calf by side
- (1) 17-month-old Purebred Virgin Bull sired by BC Lookout, semen & trich tested
- (1) blk 3/4 Gelv, 1/2 Angus yearling bull, semen tested

*If you have any consignments for this SPECIAL SALE, please give us a call so we may advertise them for you!*

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

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# Kansas Hay Market Report

Hay trade slow. Demand best for stock cow alfalfa and alfalfa pellets, moderate for dairy alfalfa and light for grinding alfalfa and grass hay. Winter arrived with a vengeance on Thanksgiving Day bringing rain, freezing rain, ice, sleet and snow to most of Kansas, thankfully without much wind. The ice did cause power outages and additional supplemental feeding of livestock especially those that were grazing wheat or crop residue. Trade slowed down as most in the hay business were busy getting needs covered. Hay supplies are plentiful for all types of hay. The Kansas Forage and Grassland Council is having their annual Conference on December 15 in Manhattan, see their website for more information: [www.ksfgc.org](http://www.ksfgc.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](http://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 120.00-135.00. 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 105.00-120.00, mostly 105.00-115.00. The week of 11/23-28, 9,582T of grinding alfalfa and 875T of dairy alfalfa were delivered. Straw, Good, large bales 60.00-65.00 delivered. Corn stalks 50.00-55.00, ground and de-

livered 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 slow to 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 11/23-28, 4,232T of grinding alfalfa and 1,040T 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 50.00-70.00, mostly 50.00-55.00, Fair, 40.00-50.00; 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. Grass Mulch, large round 45.00.

### Northwest Kansas

Dairy alfalfa steady, Grinding alfalfa steady to 5.00 lower. 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 100.00-120.00.

### 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 55.00-70.00, Fair, 50.00-55.00. 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-USA Market News Service, Dodge City, KS Steve Hessman, Rich Hruska, OIC (620) 227-8881 [www.ams.usda.gov/mnrreports/DC\\_GR310.txt](http://www.ams.usda.gov/mnrreports/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.



Earning reserve champion Balancer female at the 2015 American Royal was AHL Deb 467B, owned by J.W. LeDoux, LeDoux Ranch, Agenda.

## Producers focus on replacement heifer selection

As the air turns crisp and the leaves change color, replacement heifer selection begins to weigh on cattle producers' minds. The process can be confusing and stressful for producers, as the decisions made can directly impact the future of their program. Kansas State University animal scientist Bob Weaber offers tips to aid producers in selecting heifers with the best likelihood of becoming productive and efficient cows for years to come.

### Genetic components

Weaber encourages producers to make appropriate sire selection decisions for building quality replacements. If a producer plans to keep more replacement females, tactical selection of bulls to be sires of replacement heifers that emphasize maternal traits versus other traits is a must.

"If you've made an investment in genetics," Weaber said, "either via bull purchasing or through an AI (artificial insemination) program over the last year, and these replacement candidates are a result of those decisions, certainly those females produced by bulls that have been selected for their maternal traits - maternal calving ease, appro-

prate mature weight, lactation, stability EPD (expected progeny difference) - should be given priority in your selection criteria."

Weaber also points out that crossbred heifers typically have a more productive life and possess greater reproductive qualities than their straight-bred counterparts. Therefore, crossbred heifers should be given special consideration as replacements.

### Birthdate

Figuring out where heifers were born, in terms of the calving distribution and their weights and performance measures, are key pieces of information, he said.

"We know heifers born early in the calving season have a higher likelihood of themselves calving earlier in the calving season and lasting longer in your management system," said Weaber, a cow-calf specialist with K-State Research and Extension. "They have more opportunities to become pregnant within the breeding season, because they cycle earlier and calve earlier. When mated in a defined breeding season, they have more wiggle room in their reproductive performance than do females that were born at the end of the calving season."

Weaber provided an example to further explain: "Say you have a heifer calf that was born the last day of your calving season. When she enters your breeding herd, she's going to be one of the last females to reach puberty, have the fewest opportunities to become pregnant in your structured breeding season, and if she misses by two or three days in the breeding season, she's out as a two-year-old."

"If you've invested \$1,000

or \$1,500 on development costs above her market value as a calf to get that heifer to have her first calf," he added, "you don't want to lose her because she missed by two or three days. That's why we skew our selection heavily toward females born in the first 21 or 30 days of the calving season."

### Mature size relative to resources

Feed and other input costs, has some producers concerned about mature cow size and lactation potential. Weaber said it is important to choose replacement females that fit the mature size and maintenance requirements appropriate to forage constraints of the operation.

Over time, he said, many producers have selected heifers that have higher performance and growth traits to meet demands further down the beef value chain. While cattle that grow quickly are an important contribution to the beef production system, producers must be careful not to go too far. With today's genetics, it is fairly easy to build cows whose nutrient requirements can substantially exceed the nutrients available in a grazed forage environment.

For this reason, he recommends producers keep an eye on maintaining, or in some cases slightly decreasing, the mature weights of their cows.

"Replacement female selection has accelerated our path of maybe making cows too big," Weaber said. "Our usual practice of walking into the replacement heifer pen leads to selecting 'the standout.' The biggest, nicest fleshed, easiest conditioned heifers in the pen are the ones that we naturally want to select."

"Certainly older heifers have a tendency to be that way because of age," he continued. "But, we have to be careful that we don't select heifers that are the extremes in that group, because they represent the highest growth genetics, and likely the highest mature weight out of our cow herd."

Another factor linked to selecting these "standout" replacements is that they are likely from cows with the highest lactation potential in the cow herd, Weaber said, which leads to increased production and maintenance requirements for these cows.

To combat this trend, he

recommends that producers select replacement heifers that reside in the middle of the group for adjusted 205-day weight or adjusted weaning weight. The adjusted weight takes into account differences in age of the heifers and age of their dam.

"To keep the weights of your cows pretty constant, pick the middle third of the heifers in terms of weaning performance," Weaber said. "Skew that selection to include heifers born early in the calving season and from the middle group in weight and performance. That should put a downward pressure on the increase of mature weight."

An Excel spreadsheet is available at [www.ksubeef.org](http://www.ksubeef.org) that calculates adjusted birth weights, weaning weights and yearling weights. The spreadsheet requires producers to enter information on their heifers, such as the birthdate or birth week and age of dam.

### Other factors

Another item to consider when selecting replacements is biology. Look for replacements out of mature cows that "fit" the system.

"They 'fit' in the production environment, and because of that 'fit' they have the ability to reproduce every year," Weaber said. "Those cows are likely on target in terms of weight, body condition, lactation potential and have obviously been fertile."

So when choosing replacement heifers, one from a designated "fit" mature cow should be toward the top. If a producer has to choose between picking a replacement heifer out of a proven mature cow or one out of an unproven cow, consider picking the daughter of the proven cow.

"About three-quarters of the genetic flow of the cow herd is driven by sire selection," Weaber said. "That doesn't mean female selection is not important. It can be particularly important if you are trying to limit supplemental feed sources."

"I encourage producers to sit down and figure out the trajectory that they want to go, understand the data they may need to make that informed decision, collect that data, and then make an informed and thoughtful replacement heifer selection."

## FARM AUCTION

**SATURDAY, DECEMBER 12 — 10:00 AM**

Public Auction located at 1838 7th Rd SE — LeROY, KANSAS  
(From Hwy 58 & F Street at the East side of LeRoy, Go 3 miles North on the blacktop to 7th Rd, then turn West & go 6/10 of a mile)  
 (Food will be served by First Christian Church CWF of LeRoy)  
 Bad weather date will be December 19, 2015

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 See last week's Grass & Grain for listings or go to:  
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2013 JD S670, 717 hrs.....	\$215,000
2012 CIH 7130, 659 hrs.....	\$199,000
2012 CIH 7130, 612 hrs.....	\$199,000
2012 CIH 7130, 571 hrs.....	\$189,000
2011 CIH 8120, 2013 hrs.....	\$145,000
2010 CIH 9120, 496 hrs.....	\$225,000
2010 CIH 7088, 1869 hrs.....	\$135,000
2010 CIH 7088, 628 hrs.....	\$169,000
2010 CIH 7088, 779 hrs.....	\$169,000
2010 CIH 7088, 904 hrs.....	\$159,000
2009 CIH 7120, 1189 hrs.....	\$139,000
2008 CIH 8010, 1526 hrs.....	\$135,000
2008 CIH 8010, 3158 hrs.....	\$85,000
2008 CIH 8010, 3125 hrs.....	\$95,000
2007 CIH 8010, 1472 hrs.....	\$137,000
2007 CIH 8010, 1898 hrs.....	\$115,000
2006 CIH 8010, 1855 hrs.....	\$109,000
2004 CIH 2388, 3136 hrs.....	\$68,000
2001 CIH 2388, 2767 hrs.....	\$55,000
2001 CIH 2388, 2511 hrs.....	\$63,000
1997 CIH 2188, 2625 hrs.....	\$45,000
1997 CIH 2188, 3292 hrs.....	\$35,000
1997 CIH 2188, 2644 hrs.....	\$39,000
1997 CIH 2188, 3981 hrs.....	\$32,500
1997 CIH 2188, 3641 hrs.....	\$42,000
1996 CIH 2188, 2648 hrs.....	\$37,000
1992 Agco R62, 2312 hrs.....	\$26,500
1991 JD 9600, 3843 hrs.....	\$25,000
1990 CIH 1680, 3591 hrs.....	\$19,500
1980 JD 7720, 2437 hrs.....	\$8,500

### USED PLANTERS

2013 JD 1720-16R Stck Fld.....	\$65,000
2012 CIH 1250-24R.....	\$139,000
2012 CIH 1230-16R.....	\$42,500
2011 CIH 1250-24R.....	\$105,000
2010 CIH 1250-16R Trailing.....	\$75,000
2009 JD 1770NT-16R.....	\$62,000
2009 JD 1770NT-24R Frnt Fld.....	\$89,000
2008 JD 1720-16R.....	\$29,000
2007 CIH 1230-16R.....	\$32,000
2007 JD 1720-16R.....	\$22,500
2004 JD 1770NT-16R.....	\$42,000
2002 CIH 1200-16R Pvt Fld.....	\$35,000
1999 JD 1770-12R Frnt Fld.....	\$25,000
1998 JD 1770-16R.....	\$25,000

### USED GRAIN CARTS

2008 Kinze 1050 Row Crop.....	\$39,000
1990 Kinze 840.....	\$10,500
Flicklin CA9600.....	\$4,900

### USED TILLAGE

09 Great Plains 3000TT-30.....	\$33,500
90 Quinstar 28' Fallowmaster.....	\$13,500
89 Richardson 3670-35'.....	\$15,000
Flex King 7x5 Sweep.....	\$16,000
Reburished KM 7x5 Sweep.....	\$39,900
Bigham Brothers 8R Paratill.....	\$6,900
Sunflower 1230-24' Disc.....	\$6,000

### USED FERTILIZER EQUIPMENT

11 Sunflower SF7630-12R.....	\$32,500
06 DMI 5310-12R Appli.....	\$23,500
05 Orthman Tor-Line 12R.....	\$9,000
04 DMI 2800-16R Appli.....	\$23,500
DMI 16R Strip Till.....	\$28,500
Dalton 36' Liquid Appli.....	\$5,000
DMI 5310-8R Strip Till.....	\$12,500
Yetter 1600 All-Steer Cart.....	\$7,200
Schaben Hi-Drill 1010 Cart.....	\$2,750

### USED DRILLS & AIR SEEDERS

12 Crustbuster 4745AP Drill.....	\$65,000
12 Great Plains CTA4000/Cart.....	\$69,500
09 CIH PDX30/ Air Cart.....	\$65,000
09 CIH PDX30/Air Cart.....	\$65,000
08 Crustbuster 4740AP Drill.....	\$44,500
08 CIH SDX40/Air Cart.....	\$79,000
08 CIH SDX40/Air Cart.....	\$89,000
07 CIH SDX30/Air Cart.....	\$65,000
07 Sunflower 9433 Drill.....	\$35,000
International 7100 Hoe Drills.....	\$4,500

### USED TRACTORS

14 CIH Mag 280 MFD, 455 hrs.....	\$177,000
14 CIH Mag 280 MFD, 517 hrs.....	\$175,000
14 CIH Mag 340 CVT, 291 hrs.....	\$225,000
13 JD 9360R, 1275 hrs.....	\$185,000
13 JD 9360R, 1250 hrs.....	\$185,000
13 CIH Mag. 340, 197 hrs.....	\$205,000
13 CIH Mag. 340, 735 hrs.....	\$195,000
13 CIH Mag. 340, 167 hrs.....	\$219,000
13 CIH Mag. 340, 1510 hrs.....	\$182,000
13 CIH Steiger 450, 1500 hrs.....	\$245,000
13 CIH Steiger 450, 1500 hrs.....	\$245,000
12 CIH Mag. 340, 682 hrs.....	\$205,000
12 Kubota M135, 1022 hrs.....	\$52,500
11 CIH Mag. 260, 989 hrs.....	\$145,000
11 CIH Mag. 340, 1486 hrs.....	\$179,000
06 CIH MX275, 4739 hrs.....	\$105,000
97 New Holland 9682, 6744 hrs.....	\$52,500
96 CIH 9350 Steiger, 9237 hrs.....	\$47,500

### USED HAY EQUIPMENT

14 Haybuster H1130 Tub Grndr.....	\$59,000
12 MacDon M205 Windrower.....	\$79,500
11 H&S HSBF1460 Rake.....	\$12,500
New Holland 116 Swather.....	\$5,000
Haybuster 2620 Bale Process.....	\$10,500

### USED MOWERS & SHREDDERS

09 Alloway 240 Shredder.....	\$11,500
05 Alloway 20' Shredder.....	\$6,500
Rhino FM-15 Mower.....	\$7,500
Haus 5' Mower.....	\$400

### USED BALERS

2012 CIH RB564 Rd Baler.....	\$21,500
2012 NH BR7090 Rd Baler.....	\$26,500
2011 NH BR7090 Rd Baler.....	\$24,500
2011 NH BR7090 Rd Baler.....	\$23,500
2008 CIH RB564 Rd Baler.....	\$21,500
2007 NH BR780A Rd Baler.....	\$9,500
2004 NH BR780 Rd Baler.....	\$13,500
2003 NH BR780 Rd Baler.....	\$13,500
2002 NH 688 Rd Baler.....	\$8,500
2002 CIH RBX561 Rd Baler.....	\$11,000
2001 NH 688 Rd Baler.....	\$8,500
96 NH 664 Rd Baler.....	\$6,000

### USED SPRAYERS

15 CIH Pat. 3340, 208 hrs, 100'.....	\$265,000
14 CIH Pat. 3330, 1200 hrs.....	\$185,000
2013 CIH 3330, 674 hrs, 100' boom.....	\$195,000
2012 John Deere 4730, 380 hrs, 100' boom.....	\$180,000
2009 Ag Chem 1286C Rogator, 2890 hrs.....	\$130,000
2009 CIH SPX4420, 2680 hrs, 120' boom.....	\$165,000
2008 John Deere 4830, 2862 hrs, 100' boom.....	\$110,000
2007 John Deere 4720, 2920 hrs, 100' boom.....	\$95,000
2006 CIH SPX3310, 3161 hrs, 90' boom.....	\$110,000
2005 CIH SPX3310, 1581 hrs, 90' boom.....	\$110,000
2000 CIH SPX3200B, 4615 hrs, 90' boom.....	\$39,000
1996 Wilmar 765 S.E., 4612 hrs, 90' boom.....	\$18,500
Hardi Comander 4000, 90' boom, 1200 gal tank.....	\$12,500

### NEW SPRAYERS

New 2015 CIH Patriot 4440, 1200 gal tank.....	\$328,500
New 2016 CIH Patriot 3340, 1000 gal tank.....	\$317,000
New 2014 CIH Patriot 2240, 660 gal tank.....	\$169,000

### NEW CASEIH TRACTORS

New CaselH Steiger 470 Rowtrac, 405 HP.....	\$364,000
New CaselH Steiger 470 HD, 4WD, 405 HP.....	\$305,000
New CaselH Steiger 420 Rowtrac.....	\$379,000
New CaselH Steiger 370, 4WD.....	\$283,000
New CaselH Magnum 380 CVT, 315 HP.....	\$279,000
New CaselH Magnum 380 CVT Rowtrac.....	\$279,000
New CaselH Magnum 370 CVT, MFD, 315 HP.....	\$229,000
New CaselH Magnum 340 CVT, 290 HP.....	\$259,000
New CaselH Magnum 340 MFD, 290 HP.....	\$245,000
New CaselH Magnum 310 CVT, 265 HP.....	\$235,000
New CaselH Magnum 280 CVT, 540 HP.....	\$245,000
New CaselH Magnum 250 CVT, 540 HP.....	\$232,000
New CaselH Magnum 180 CVT, 78 hrs, lease.....	\$157,000
New CaselH Maxxum 145 MFD.....	\$115,000
New CaselH Maxxum 125 MFD.....	\$99,000
New CaselH Farmall 115U, 95 HP.....	\$73,000
New CaselH Farmall 115C MFD.....	\$58,000
New CaselH Farmall 100C, 90 HP.....	\$62,000
New CaselH Farmall 75C MFD.....	\$49,000

### NEW KUBOTA TRACTORS

Kubota BX25DLB-R, 12" Bucket.....	\$16,900
Kubota B2650HSD, 60" Bucket, w/ Ldr.....	\$18,500
Kubota L3901HST, 66" Bucket, w/ Ldr.....	\$22,500
Kubota MX5200HST, 72" Bucket, w/ Ldr.....	\$29,000
Kubota L2501HST, 66" Bucket, w/ Ldr.....	\$18,900
Kubota L3301HST, 66" Bucket, w/Ldr.....	\$20,800
Kubota L5460HSTC, 72" Bucket, w/ Ldr.....	\$42,500
Kubota L6060HSTC, 72" Bucket w/ Ldr.....	\$42,500
Kubota M7060HDC12, 72" Bucket, w/ Ldr.....	\$46,500
Kubota M135GXDTC-F, 90" Bucket, w/Ldr.....	\$78,800
Kubota M6-141DTC, 90" Bucket, w/Ldr.....	\$98,500

### NEW CORN HEADS & HEADERS

CaselH 4412-12R Corn Head.....	\$87,500
CaselH 4208-8R Corn Head.....	\$58,000
CaselH 3408-8R Corn Head.....	\$45,000
Drago 8R Corn Heads.....	Call
Drago 12R Corn Heads.....	Call
Geringhoff 830 & 1230.....	Call
CaselH 3162-35' Flex Draper.....	\$75,000
Shelbourne XCV36 36' Stripper Header.....	Call
Shelbourne XCV42 42' Stripper Header.....	Call
Shelbourne CVS32 32' Stripper Header.....	Call
Shelbourne CVS28 28' Stripper Header.....	Call
Shelbourne RSD24 24' Stripper Header.....	Call
MacDon FD75-35' Flex Draper.....	\$78,500
MacDon FD75-40' Flex Draper.....	Call
MacDon FD75-30' Flex Draper.....	\$74,500
MacDon D65-35' Draper.....	Call

### NEW GRAIN CARTS

New Kinze 1500 Track Grain Cart.....	\$110,000
(3) New Kinze 1300 Grain Carts.....	Call
New Kinze 1100 Grain Cart.....	\$76,500
Demco 1050 Grain Cart.....	\$37,500
Crustbuster 850 Grain Carts.....	\$25,500

### NEW PLANTERS

(3) CaselH 1255-24R Front Fold Planters.....	Call
(5) CaselH 1255-16R Front Fold Planters.....	Call
CaselH 1230-16R Stack Fold Planter.....	\$69,000
CaselH 1225-8R Planter.....	Call
Kinze 4900-16R Bulk Fill.....	\$116,000
Kinze 3600-16R30 Mech Planter.....	\$87,500
Kinze 4900-24R Bulk Fill Planter.....	\$165,000
Kinze 3200-12R Econofold Planter.....	\$52,500
Great Plains YP1625A Planter.....	\$75,000

### NEW TILLAGE & FERTILIZER

Sunflower 1234-27' Disc.....	\$32,500
Sunflower 1435-29' Disc.....	\$38,500
Sunflower 1436-36' Disc.....	\$64,500
Sunflower 3040-28' Fallow King.....	\$41,500
(2) Orthman FM3 6-42' Fallowmaster.....	\$49,500
(2) Orthman FM3 5-35' Fallowmaster.....	\$44,000
Orthman FM4-28' Fallowmaster.....	\$35,500
Landpride DH1590 Disc Harrow.....	\$2,150
(5) Blu-Jet 3 Bar Trackmaster.....	\$4,500
(2) Patriot 3 Bar Track Closer.....	\$4,700
(9) Orthman Track Tiller.....	\$10,500
CaselH 42' Tru Tandem 335 Turbo.....	\$91,500
CaselH 7 & 9 Shank Ripper.....	Call
(4) Orthman 12R30 1 TriPr Strip Till.....	\$49,000
(3) Orthman 8R30 1 TriPr Strip Till.....	\$33,500
DMI 2800-16R Applicator.....	\$50,900
Great Plains NP4000-16R30 Nutri Pro.....	\$43,500
AgSynergy TR30-12R Fertilizer.....	\$74,500

### NEW DRILLS

Sunflower 9435-30' Drill.....	\$54,500
Sunflower 9435-40' Drill.....	\$96,000
Great Plains 3S-3000HD-3610 Drill.....	\$50,500
Great Plains 2S-2600HD-3210 Folding Drill.....	\$43,500
Great Plains 3S-5000HD Folding Drill.....	\$89,500
Crustbuster 4740AP Drill.....	\$82,000
CIH Precision Disk 500-40' Drill.....	Call

### NEW HAY TOOLS

(2) CaselH RB565 Round Balers.....	Call
Twinstar 2030G2-7 Hydraulic Rake.....	\$32,500
(3) Haybuster 2655 Bale Busters.....	\$21,500
(2) Haybuster 2650 Bale Processor.....	\$19,300
Haybuster H1000 Tub Grinder.....	\$44,900
Haybuster H1130 Tub Grinder.....	\$67,500
New Holland H7150 Mower Cond.....	\$31,500
H&S HSBF1460NS Wheel Rake.....	\$16,500
CaselH WD2504 Windrower.....	Call
Haukaas Quick Pick Bale Bunch Hauler.....	\$23,500
New Holland Rollbelt 560 Round Baler.....	Call
MacDon M205 Windrower.....	\$127,800
MacDon M155 Windrower.....	\$124,500

### NEW & USED ATV's

New Yamaha 700 Viking.....	Call
New Yamaha Grizzly 700.....	Call
New Yamaha Kodiak 700.....	Call
New Kubota RTVS.....	Call
Used Yamaha Grizzly 550s.....	Call
Used Yamaha Grizzly 700s.....	Call
Used 2009 Yamaha Grizzly 450.....	\$2,750
Used 1999 Yamaha Grizzly 600.....	\$1,900
Used 2000 Yamaha Big Bear 400.....	\$1,100

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## Lease meeting set for December 9th in Parsons

By Josh Coltrain,

Crop Production Agent, Wildcat Extension District

One of the most common topics Extension agents get questions about is how much is land renting for. We often get calls from not only landlords but producers looking to rent and, frankly, there is no correct answer for this question. In an attempt to address this topic, there will be a meeting on Wednesday, December 9th at the new Southeast Kansas Research and Extension Center located near the intersection of U.S. 400 and 32nd Street in Parsons. The meeting will begin at 9:30 with registration and refreshments.

Featured speakers include Roger McEowen, Center for Agricultural Law and Taxation and Leonard Dolezal, professor in Agricultural Law at Iowa State University as well as Mykel Taylor, K-State Research and Extension Agricultural Economist. Roger's presentation is titled "Agricultural Lease Law: Principles, Liabilities, and Tax Considerations." Mykel will present "Cropland and Pasture Leasing: Understanding the Market and Your Tenant (or Landowner)."

Between the two presentations there will be a sponsored lunch. For more information about the meeting call the Altamont office at (620) 784-5337.

GRASS & GRAIN

## Guest Editorial

### Partnering with farmers and ranchers to address climate change and food security challenges

By Agriculture Secretary Tom Vilsack

As world leaders gather in Paris to negotiate a new global climate agreement, it is important to recognize the contributions of farmers, ranchers and foresters in the United States towards achieving a more food secure world while adapting to climate change, increasing carbon sequestration, and reducing greenhouse gas emissions.

Over the course of my tenure as Secretary of the United States Department of Agriculture, U.S. producers have faced a record drought, which the University of California estimates has cost farmers in California alone an estimated \$3 billion in 2015. We've seen increasing incursions of invasive pests and diseases and extreme weather, everything from bark beetle to severe droughts, which have cost billions in lost productivity. We've faced a series of record wildfire seasons in the western United States—the worst decade in U.S. history for wildfire. The growing El Nino weather pattern in the Pacific has created the perfect storm for disasters to strike the already damaged and weakened western landscape.

The U.S. Department of

Agriculture will release a new report, titled *Climate Change, Global Food Security, and the U.S. Food System*. This report will outline the impacts of climate change on global food security, including food availability, access, utilization, and stability.

Never before has agriculture faced challenges of this magnitude. We've all seen the statistics: Nine billion people by 2050. Feeding these new citizens will require at least a 60 percent increase in agricultural productivity. We must do all of this in the face of climate change that is threatening the productivity and profitability of our farms, ranches and forests.

As we embark on our efforts, we have found that one of the first steps is to educate and inform our farmers, ranchers, and forest land managers – and our own USDA professional staff in the field – about climate change and the threats posed to our resources and the opportunities to contribute to solutions.

For example, earlier this year, USDA announced our 10 Building Blocks for Climate Smart Agriculture, a comprehensive set of voluntary programs and initiatives that we expect to re-

duce net emissions and enhance carbon sequestration by over 120 million metric tons of CO<sub>2</sub> equivalent by 2025 – about 2 percent of economy-wide emissions, building upon a U.S. government-wide commitment to emission reduction. And through efforts by the federal government and a broad coalition of partners, the United States has restored more than 9 million hectares of lost or degraded forest since 2011 – more than halfway to our Bonn Challenge commitment of restoring 15 million hectares by 2020.

We are promoting the building blocks strategy through our Extension and technical service providers. To support our efforts, we have established a network of regional climate hubs to analyze risks and deliver localized information to help farmers adapt to climate change. We continue to support research into technologies and practices that will reduce climate risks. We are moving rapidly to integrate climate change into our domestic conservation and renewable energy programs.

Collectively, these efforts make U.S. agriculture and forestry a more publicly visible part of the climate change solution in the United States and abroad. They demonstrate to the world that these sectors can provide solutions to reduce greenhouse gas emissions, while simultaneously boosting productivity to meet growing demands for food and fiber, stimulating the rural economy, and offering compatible environmental and economic benefits.

We don't face these challenges in a vacuum. These same conditions have dire effects across the world, especially for poor, rural smallholder farmers in developing nations. Drought in the western United States and drought in Central America threaten farmers and livelihoods, disrupt communities, and strain food systems. Increasing climate threats, whether it is drought, high temperatures, increases in pests, or wild-

fire, are separate symptoms of the same problem.

That is why the United States is committed to sharing information globally. The lessons we learn, we want to share through the Global Alliance for Climate-Smart Agriculture. Through our collective efforts, agriculture can make meaningful contributions to the effort to limit global temperature increases to less than two degrees Celsius. We are also proud of our efforts through the Global Open Data for Agriculture and Nutrition initiative, which supports efforts to make data available, accessible, and usable for unrestricted use worldwide.

USDA also directly supports international cooperation and development projects to help promote climate-smart agriculture. For example, last year we supported 11 Borlaug Fellows to work on climate change topics. This program allows agricultural scientists from around the world to work side-by-side with U.S. scientists on finding ways to increase food production while mitigating the effects of climate change.

In order to address climate change, we have to get ahead of it, and I'm convinced that no one innovates in the face of challenge better than agriculture. This will not be an easy task, but I am confident that working together and building on a legacy of partnership, efficiency and innovation, the Alliance members and other interested parties will continue to strive to achieve the three important goals of climate-smart agriculture: achieving food security, sustainably increasing agricultural productivity, and reducing greenhouse gas emissions, where possible.

Food security has implications far beyond what's on our plates. A more food-secure, nourished world, able to feed itself and the future, is essential to the long-term prosperity and security of individuals, communities, economies, and nations.

### UPCOMING AUCTIONS

**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.**

\*\*\*\*\*  
**CONSIGNMENT SALE: 601 S Broadway, Salina, KS**  
**Early 2016 - date to be determined**  
 Now accepting consignments. Contact auction staff, consign early and benefit from \$\$\$\$ advertising in newspapers & web sites. Will schedule auction when enough items on hand. Watch web site for sale bill as it develops.

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**Steel burn barrels - \$15 each**

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The grand champion Gelbvieh female at the 2015 American Royal was EGL Maddy B281, owned by, J.W. LeDoux, LeDoux Ranch, Agenda.

## AUCTION

**SATURDAY, DECEMBER 19 — 11:00 AM**  
 Location: 407 North A Street — BLUE SPRINGS, NEBRASKA

**TRACTORS & IMPLEMENTS**  
 1974 Massey Ferguson gas tractor, Serial # 9A207030, WF, 4504 hours showing, single hydraulic, hydraulic valve, 3 Pt and 16.9 x 28 rubber (30%); 1954 Ferguson 30 gas tractor, Serial # TO18475 with 3 Pt.; Agri-Fab 33 x 50" box 2-wheel 10 cu ft lawn trailer; TSC 3 Pt dirt slip; 3 Pt 6" blade.

**PICKUP W/UTILITY BOX**  
 1992 Ford F 250 Custom pickup with 148000 miles showing, V-8, automatic and Omaha Standard steel 6-compartment utility box.

**2-WHEEL TRAILER**  
 2006 Friesen 81 x 124" steel bed single axle trailer with rear ramp and 12" side rail.

**POWER TOOLS**  
 Pro Force 5.5 hp generator, 3125 maximum watts – 2500 running watts; Coleman Power Mate Contractor air compressor w/5.5 hp engine; Husqvarna Rancher & Poulan 295 Pro chain saw; Craftsman 6.5 hp – 21" lawn mower w/bagger; C H air compressor; Murray 20hp – 42" riding lawn mower; Murray gas string trimmer; MTD 5 hp chipper-shredder; P/T 38" lawn sweep.

**MISCELLANEOUS**  
 DeWalt Rt Angle grinder; 1/2" air impact; Milwaukee 3/8" elec drill; acetylene torch set; B-D jig saw; Queen Bee bench grinder; 36" steel implement wheels; ES 5000 booster pack; Allied (to 1 1/4") & Job Smart (to 2") combination wrench sets; 18" adjustable wrench; Cummins tools; wheel pullers; air hose; jumper cables; Delta P/U tool box; Coleman lanterns; 41 Pc Tap N Die set; Pro Series drill bits; bushing driver set; nut & bolt assortment; 8-drawer washer assortment; machine & woodruff keys; battery load tester; wiring-end kit; 100# propane bottle; wood 6' step ladder; 6 chain binders; nylon tie downs; log chains; motor oil; automotive fluids; hand sprayers; minnow bucket; (2) 28x48" steel 2-tier 4-leg shop tables; elec heaters; propane bottles; car stands; NAPA oil filters; ammo boxes; coolers; hay hook; hedge trimmer; ext cords; chain hoist; saw horses; pet caddy; gas powered hoe; gas cans; garden tools and Other Small Items.

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## MERLIN REED FARM AUCTION

**THURSDAY, DECEMBER 31 — 11:00 AM**  
 5282 SW County Rd 11508 — RICH HILL, MISSOURI  
 Located 5 miles West of Rich Hill, MO on A to WW Hiway then South 3 miles to Aron Rd. then East 3/4 mile. Watch for signs.

**TRACTORS:** 2004 JD 8320 Diesel Turbo front wheel assist, only 1979 hrs.; JD 1997, 8200 Diesel, front wheel assist.  
**SEMI GRAIN TRUCK & TRAILER:** 1997 Volvo diesel 9 spd Twin Screw air ride Tractor, 2007 steel grain trailer with tandem axles.  
**COMBINE:** 1997 9500 JD rear wheel assist.  
**JD HEADER, RICE TIRES, CORN HEAD, PICKUP, GRAIN TRUCK, JD PLANTER, JD MULCH FINISHER, UM ROLLING HARROW, LANDOLL DISC, GRAIN CART, PLOW, FIELD CHISEL, SEED TENDER w/SCALES, TILT TRAILER, FLATBED TRAILER, HAY TRAILER, JD BALER, JD MOWER CONDITIONER, TEDDER, RAKE, 3 PT. BALE UNROLLER, PICKUP BALE SPEAR, 4-WHEELER, PORTABLE AUGER, OTHER EQUIPMENT, WATER PUMP, FENCING, SHOP & TOOLS, CATTLE EQUIPMENT, GRAVITY FLOW BIN, FUEL TANK & MISC.**

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# Agricultural land use value is increasing

**By Josh Coltrain, Crop Production Agent, Wildcat Extension District**

The good news: according to the Kansas Division of Property Valuation, agricultural land is worth quite a bit more than last year. That also happens to be the bad news. Why? Property taxes on agricultural land are calculated based on these figures and with commodity prices being relatively poor, higher costs are not ideal.

How much of an increase? In Southeast Kansas, the agricultural land use value is 17 percent higher in 2015 than it was in 2014. These are on a county-by-county basis and the lowest county increase in southeast Kansas is Labette

County at a little under 11.5 percent while the highest increase will be for Chautauqua County at over 28 percent. For reference sake, the statewide average is 16.3 percent higher. The nine regions of state vary greatly with ranges from southwest Kansas only having an 8.5 percent increase to Northwest Kansas with an over 26 percent increase.

Many people do not understand how agricultural land is valued for taxation purposes. First off, the value of the land is governed by state law. In fact, the Kansas legislature passed a law in 1985 requiring agricultural land to be valued for property tax purposes based on the agricul-

tural income or productivity of the land, not the fair market value of the land. Even though the law was passed in 1985, it wasn't until 1989 that agricultural use value was used to calculate property tax.

In overly simple terms, the system is set up to estimate landlord net income from each class of land by county based on production levels, and then divides that estimated income by a capitalization rate to determine a per acre value. The capitalization rate is used to estimate a value of the landlord share of agricultural income. It is based on a five-year average of Federal Land Bank interest rates and the county average agri-

cultural property tax. Since it is the divisor in the equation, the larger the capitalization rate, the lower the agricultural use value.

For cultivated land, which is subcategorized into dry and irrigated categories, the agricultural use value is based upon an inherent land productivity potential by soil type. To estimate this, the state estimates several factors on a county-by-county basis. One important one is the Soil Rating for Plant Growth (SRPG) developed by the Natural Resource Conservation Service (NRCS) which provides a numerical rating for all soil types without factoring management practices into the rating. Along

with this rating, the county means that one good (or poor) year doesn't move the calculation as much as it would in calculating simple averages. The stretch of relatively good years of the recent past are now factoring into the equation which has increased the values.

For grazed land, which is subcategorized into native and tame classifications, the value of productivity is based on the grazing index assigned to each soil type. Also included in the equation are pasture estimates are rental rates, gross rental income, and expenses.

So, why are the values increasing? In an effort to minimize large shifts in the agricultural use values, eight year moving averages of estimated landlord net income are included in the calculation. This basically

means that one good (or poor) year doesn't move the calculation as much as it would in calculating simple averages. The stretch of relatively good years of the recent past are now factoring into the equation which has increased the values.

With higher agricultural use values, land property taxes could be higher. Hopefully, landowners can prepare for these higher costs and budget accordingly. If you have questions or would like more information, please call me at the office (620) 724-8233, or e-mail me at jcoltrain@ksu.edu, or visit the Wildcat Extension District website at www.wildcatdistrict.ksu.edu

## Fundamentals signal opportunities for Kansas wheat in South America

**By Julia Debes**

Argentina may dominate the South American wheat market, but Kansas hard red winter (HRW) wheat is no insignificant player. Together with U.S. Wheat Associates (USW), the industry's export market development arm, Kansas wheat farmers are building markets in the Southern Hemisphere.

Casey Chumrau recently transitioned to the marketing manager of the USW South American Regional Office in Santiago, Chile from her previous position as the USW market analyst in Arlington, Virginia. Fresh from her first Association of Latin American Millers (ALIM) meetings November 15 to 18, 2015, in Buenos Aires, Argentina, she shared her perspectives on the region's potential.

### The Players

The USW South American regional office in Santiago, Chile, covers six countries: Bolivia, Brazil, Chile, Colombia, Ecuador and Peru. Peru and Colombia consistently purchase the most HRW wheat in the region, at respective annual averages of 14.3 million bushels (390,000 metric tons) and 12.5 million bushels (340,000 MT). "In the last ten years, about 16 percent of all HRW exports have gone to the six countries in this region," Chumrau said. "The population is growing and the economic situation improving in many of the countries. Those two things, combined with the long-standing relationship USW and U.S. wheat farmers have with customers here, provide a very optimistic outlook for increased HRW sales."

The largest overall wheat importer in South America is Brazil, but purchases from the United States vary greatly from year to year. Brazil has purchased an average of 55.1 million bushels (1.5 MMT) of U.S. HRW over the last five marketing years. However, Chumrau noted that annual imports from the United States ranged from zero in 2011/12 to 150.7 million bushels (4.1 MMT) in 2013/14. Brazil had already purchased 5.95 million bushels (162,000 MT) through the end of September, but varying factors in chief competitor Argentina will affect purchases the rest of the 2015/16 marketing year.

### The Competition

Argentina is the principal wheat exporter in the South American region, followed by smaller exportable supplies from Paraguay and Uruguay. Geographic advantage is cou-

pled with preferential treatment under the Mercosur trade agreement, which slaps an automatic 10 percent import duty on non-Mercosur wheat.

To further complicate the South American market this year, Chumrau said the strength of the U.S. dollar adds cost to U.S. wheat imports. As a result, HRW is still priced higher than abundant competing supplies of similar wheat classes, in spite of lower cash and export prices.

She reported the topic was discussed at this year's ALIM meetings.

"The strength of the U.S. dollar came up over and over," Chumrau said. "The dollar is so high right now that it has completely offset the reduction in wheat prices, providing less incentive for customers who want to buy U.S. wheat."

It is important to note that the recent political situation in Argentina has not favored wheat farmers. Current president Cristina Fernández de Kirchner instituted policies that dissuaded

farmers from planting wheat, including a program of restrictive export licenses. Mauricio Macri, elected as the new Argentinean president on November 22, has pledged to ease these restrictions. However, Chumrau explained more basic economic factors may offer a market opportunity for U.S. wheat farmers this marketing year.

"Assuming Macri keeps his promise, which is never a given in politics, the fundamental supply and demand situation in Argentina this year could naturally limit exports," Chumrau said.

To start, USDA projected Argentina, currently harvesting their wheat crop, will produce 385.8 million bushels (10.5 MMT) of wheat this year, down 73.5 million bushels (2.0 MMT) from 2014/15. However, Chumrau said that estimate may be inflated as other analysts in country project production nearer to only 330.7 million bushels (9.0 MMT). USDA also projected Argentinian domestic consumption at

226 million bushels (6.15 MMT), making a significant increase in exports unlikely.

"Combined with exports, that would exceed the generous production estimate and Argentina does not have many reserve stocks from which to draw," Chumrau said.

### The Potential

The three traditional Mercosur suppliers (Argentina, Paraguay and Uruguay) combined are projected to export 257 million bushels (7.0 MMT). Consid-

ering the entire South American region imported an average of 438.3 million bushels (12.2 MMT) per year over the past five marketing years, Mercosur exportable supplies will be insufficient to meet even average demand this year. Of note, Brazil alone is estimated to purchase 231 million bushels (6.3 MMT) in 2015/16. These supply/demand factors signal potential market opportunities for Kansas wheat farmers to supply South American needs,

even before considering quality needs and miller preferences.

Watching for market opportunities and building the relationships needed to quickly take advantage of them is exactly why Chumrau and her USW colleagues are situated in South America. By regularly demonstrating the performance and quality of HRW to customers throughout the region, USW and Kansas Wheat further ensure Kansas HRW is positioned in the right place at the right time to meet the world's demands.



Supreme champion and Red Angus national champion honors at the 2015 NILE Stock Show and Rodeo went to RED Rainbow Lark 2B, owned Bb Jady LeDoux, LeDoux Ranch, Agenda.



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COWS		BULLS	
Lincolville, 1 blk	1145@101.00	Marion, 1 wf	2055@74.00
Lincolville, 1 blk	1035@92.00	Herington, 1 bwf	1555@73.50
Lincolville, 1 blk	1050@90.50	Manhattan, 1 bwf	1620@73.50
Lincolville, 1 blk	1005@80.50	Hillsboro, 1 bwf	1455@73.00
Hope, 1 red	2080@80.50	Manhattan, 1 bmf	1540@73.00
Lincolville, 1 blk	1250@78.00	Hope, 1 blk	1785@73.00
Florence, 1 blk	1520@77.50	Herington, 1 bmf	1400@72.50
Florence, 1 blk	1210@77.50	Florence, 1 blk	1495@72.50
Lincolville, 1 blk	1260@76.00	Manhattan, 1 bmf	1640@71.50
Herington, 1 rwf	1480@76.00	White City, 1 blk	1715@71.00
Hillsboro, 1 blk	1370@76.00	Wilsey, 1 blk	1525@70.50
Wilsey, 1 blk	1045@75.50	Herington, 1 bwf	1480@70.00
Lincolville, 1 blk	1180@75.50	Herington, 1 wf	1310@70.00
Herington, 1 wf	1130@75.50	Hillsboro, 1 blk	1315@68.00
Burdick, 1 blk	1085@75.00	Hillsboro, 1 bwf	1405@68.00
Lincolville, 1 blk	1180@75.00	Hillsboro, 1 blk	1145@67.50
Herington, 1 bwf	1215@75.00	<b>BULLS</b>	
Hillsboro, 1 blk	1505@75.00	Marion, 2 blk	575@145.00
Chapman, 1 rwf	1645@74.50	Marion, 3 blk	1067@90.00
Florence, 1 blk	1840@74.50	Burdick, 1 blk	1715@88.00
Herington, 1 blk	1480@74.00	Marion, 1 blk	1660@87.50
		Wilsey, 1 blk	1965@86.50

STEERS	
Herington, 5 red	490@186.00
Peabody, 4 mix	498@170.00
Peabody, 5 blk	658@163.00
Lincolville, 58 blk	885@162.25
Council Grove, 60 mix	855@162.25
Council Grove, 60 mix	849@162.25
Hope, 63 blk	861@162.00
Lincolville, 58 blk	903@161.25
Marion, 58 blk	853@160.25
Tampa, 54 mix	1025@148.85
Tampa, 53 mix	1024@145.00

HEIFERS	
Marion, 4 blk	544@163.00
Herington, 6 red	586@160.50
Peabody, 2 blk	533@158.00

HOGS	
Burdick, 5 fat	296@32.00
Burdick, 5 fat	290@30.00

**EARLY CONSIGNMENTS FOR DEC 9TH:**

- 12 mixed steers and heifers 500-600 lbs
- 9 black and Charolais cross heifers 600-650 lbs, home-raised, weaned, all shots
- 16 black and Charolais cross steers 600-650 lbs, home-raised, weaned, all shots
- 50 mixed steers and heifers, home-raised 450-600 lbs
- 11 mixed steers and heifers 600-700 lbs, home-raised, weaned
- 18 mixed steers and heifers 500-650 lbs
- 25 black steers, 750-775 lbs home raised
- 55 black angus heifers 750-775 lbs, home raised
- 60 black black white faced heifers 700-725 lbs, no implants, hard yearlings
- 62 mixed steers 850-875 lbs
- 120 mixed steers 900-950 lbs
- 60 mixed steers 825-875 lbs
- 60 mixed steers 875-900 lbs
- 60 mixed steers 900-950 lbs
- More cattle by sale time

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**SATURDAY, DECEMBER 12 — 10:00 AM**  
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**VEHICLE & GUNS:** 1992 GMC Jimmy SLE, 4WD, One Owner, 77150 Miles, Slick; 1915 Winchester Model 92 Lever Action, 25-20 WCF, Hex Barrel, #764058; 2002 Browning Gold Hunter 20G, Semi-Auto, Impr. Cyl., Mod. Choke, 26" Barrel, Gold Trigger, NIB; Power Line Multi-Pump Air Rifle Model 856F; 2 Wooden Gun Cases

**HOUSEHOLD:** 1983 Hamilton Lancaster County Grandfather Clock; Glass Corner Cabinet; Drop Leaf Sewing Table; Patio Furniture; Christmas Lights; Exercise Walking Machine

**YARD & SHOP:** 1998 JD LT 166 Lawn Tractor, 2 cyl. B&S 16HP/42" mower deck & snow blade, chains, grass catcher & rear weight box (looks new); Stihl FS 45 gas powered trimmer weed eater; Ryobi gas blower vacuum; lawn mower jack; Coleman Power Matic 5HP/27 gal. tank air compressor; Matco 16-Drawer Roll-A-Way Tool Box; JD 42" Lawn Aerator; New Wizard Branch Electric Chain Saw; Remington Electric Chain Saw; Shop Vac 5 Gal. 2 HP; Aluminum Loading Ramps; Subcrest Storage Bin; Uni Flame 2 Burner BBQ Grill; 5" Bench Vise; Davidson 7' step ladder; Multi-Purpose Aluminum Ladder; Wooden Ext. Ladder; 100' Ext. Cord; Car Ramps; Creeper.

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**WEANED VACCINATED SALES:**

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

RECEIPTS FOR THE WEEK TOTALED 4,037 CATTLE & NO HOGS.

STEERS		HEIFERS	
300-400	\$220.00-\$232.00	28 mix	Solomon 626@187.00
400-500	\$210.00-\$224.00	6 blk	Hutchinson 618@187.00
500-600	\$190.00-\$207.00	8 red	Lorraine 575@186.00
600-700	\$165.00-\$188.50	26 blk	Alma 631@186.00
700-800	\$160.00-\$175.00	16 mix	Gypsum 573@186.00
800-900	\$150.00-\$161.75	51 blk	Tescott 638@185.50
900-1000	\$145.00-\$157.00	58 blk	Tescott 609@184.50
		8 blk	Sylvan Grove 605@181.00
		15 blk	Geneseo 621@179.00
		16 blk	Osborne 624@178.00
		7 blk	Ellinwood 654@176.00
		3 red	Tescott 730@175.00
		29 blk	Tescott 705@170.00
		10 red	Hillsboro 712@169.00
		9 mix	Inman 661@167.00
		23 blk	Delphos 720@165.00
		47 mix	Newton 764@164.10
		15 red	Lorraine 732@164.00
		12 mix	Solomon 748@163.50
		5 mix	Inman 708@162.50
		120 mix	Council Grove 845@161.75
		60 mix	Assaria 851@161.50
		9 blk	Durham 819@161.00
		55 blk	Newton 854@160.50
		21 blk	Hope 807@158.00
		62 mix	Newton 831@157.00
		40 blk	Hope 932@157.00
		26 mix	Durham 949@156.50
		42 mix	Hope 980@155.25
		4 blk	Marion 915@154.00
		34 mix	Newton 915@153.00
			<b>HEIFERS</b>
		4 blk	Minneapolis 443@190.00
		7 mix	Halstead 429@188.00
		11 mix	Leon 431@186.00
		6 blk	Ellinwood 506@184.00
		9 mix	Hunter 399@183.00
		13 blk	Solomon 500@180.00
		6 blk	Solomon 506@180.00
		25 mix	Leon 523@178.00
		8 blk	Ellinwood 528@176.00
1 red	Newton 365@232.00		
5 blk	Hunter 419@224.00		
1 bwf	Wilsey 400@221.00		
2 red	Newton 405@217.00		
5 mix	Leon 425@213.00		
9 mix	Halstead 480@211.50		
11 blk	Tescott 484@208.50		
13 blk	Ellinwood 485@207.00		
18 blk	Pretty Prairie 512@207.00		
10 mix	Assaria 504@205.50		
8 blk	Tescott 466@205.00		
5 blk	Solomon 500@204.00		
10 blk	Minneapolis 504@202.00		
14 blk	Alma 551@201.00		
9 mix	Lyons 467@200.00		
13 blk	Assaria 559@198.00		
7 mix	Beloit 508@196.00		
10 blk	Ellinwood 546@196.00		
17 blk	Leon 575@196.00		
5 blk	Abilene 532@196.00		
9 blk	Minneapolis 584@192.00		
11 blk	Solomon 587@190.00		
4 mix	Halstead 566@189.00		
20 mix	Solomon 618@188.50		

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**\* LAST MONDAY AUCTION OF THE YEAR DECEMBER 21ST.**

3 mix	Hope	470@175.00	17 blk	Solomon	624@162.50
3 blk	Newton	463@174.00	11 blk	Beloit	619@162.50
12 blk	Solomon	573@171.50	7 blk	Inman	624@159.00
6 mix	Sylvan Grove	536@171.00	8 blk	Smolan	578@158.00
12 mix	Burrton	616@169.50	46 blk	Whitewater	698@157.50
16 blk	Geneseo	581@169.00	30 mix	Tescott	720@155.50
2 red	Newton	468@168.00	2 mix	Lyons	700@155.00
24 blk	Alma	597@167.75	3 red	Lorraine	713@154.50
21 blk	Minneapolis	605@167.50	55 blk	Whitewater	801@152.00
13 blk	Beloit	550@165.00			

### EARLY CONSIGNMENTS FOR TUESDAY, DECEMBER 15 COW SALE:

**BRED HEIFERS:** 45 Red Angus hfrs, OCHV'd, mostly homeraised, AI bred to Conqueror cleaned up with sons of Conquest mostly AI bred; 30 blk hfrs, OCHV'd, AI bred Conqueror cleaned up sons Cherokee Canyon; 125 blk hfrs, OCHV'd, AI bred to Conneally Final Four, close calving window Final Answer clean up; 90 blk hfrs, all one Iron off Angel Ranch, Medicine Lodge, bred to LBW Angus bulls, 1-25 for 45 days; 36 blk hfrs, OCHV'd bred to LBW Angus 1/16 for 55 day, Montana origin; 50 Angus hfrs, OCHV'd, AI bred Thunder/Bismark, calving ease, Feb. 10; 70 Angus hfrs, AI bred to Final Answer sons, cleaned up, same Feb. 7 & March 1st; 100 blk hfrs, Northern origin, AI bred Jan. 16 for 60 days; 91 Angus hfrs, AI bred; 24 blk hfrs, bred to LBW Don Johnson Angus bulls, Feb. calvers; 84 blk hfrs, bred to Profit Maker Angus bulls, start Feb. 1st; 65 blk hfrs, bred blk Angus, Feb. calvers; 17 blk hfrs, bred to LBW blk bulls, start Feb. 19; 55 blk/bwf hfrs, bred to Benoit Angus OCHV'd PI neg, Scourguard, very gentle. **HEIFER PAIRS:** 70 blk/bwf/Red Angus hfr pairs, OCHV'd native hfrs, Yahoo & In Focus, AI sired calves, 2 rnd vacc., calves worked. **REPLACEMENT HEIFERS:** 30 Angus hfrs, OCHV'd, 700 lbs.; **BRED COWS/COW PAIRS:** 90 blk/bwf/Red Angus pairs, 3-5 yrs, Aug.-Sept. Char/Angus/Red Angus sired calves exposed back; 106 blk cows, 3 yrs, all coming with 2nd calf, bred blk/Red Angus bulls, start Feb. 7; 15 blk cows, 4-6 yrs, bred blk; 30 blk/bwf cows, 5-7 yrs, bred Winney Angus, start end Jan.; 45 blk Angus cows, 4-6 yrs, bred Angus/Char start Feb. 15 for 75 days; 27 blk cows, 4-8 yrs, bred Angus, heavy bred; 80 blk cows, 3-5 yrs, bred Angus, Dec.-Feb. calvers; 40 blk cows, solid to older, bred to Mill Brae & McCurry Angus, Feb./March calvers; 90 older bred cows, spring calvers; 40 Red Angus pairs, 3-5 yrs blk Angus sired calves; 85 blk/Red Angus spring bred cows, 3-5 yrs, bred blk Schoft genetic bulls.

**PLUS MORE BY SALE TIME!**

### EARLY CONSIGNMENTS FOR THURSDAY, DECEMBER 10:

81 str, 750-900 lbs.; 68 hfrs, 650-800 lbs.; 60 blk str & hfrs, 550-700 lbs.; 62 str, 850 lbs.; 240 str, 800-900 lbs.; 13 blk str & hfrs, 650-800 lbs.; 140 wf/rwf str & hfrs, 700-750 lbs.; 8 str & hfrs, 550-700 lbs.; 18 str & hfrs, 500-600 lbs.; 16 str & hfrs, 600-800 lbs.; 10 str, 800 lbs.; 50 str, 850 lbs.; 60 str, 850 lbs.  
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**Saline Co.-** 138.25 Acres m/l. Native Grass Pasture. 1 pond. Rural Water Hook-Up. Chris, 493-2476  
**Saline Co.-** Almost 1 Acre m/l. 4 Bedroom home on blacktop. 36x50 shop w/concrete & electricity. Chris, 493-2476  
**Saline Co.-** 40 Acres m/l. Ell-Saline School Dist., Building site w/great views. All native grass. Chris, 493-2476.  
**Saline Co.-** 18 Acres m/l building site in SES School Dist. w/ pond & rural water hook ups. Chris, 493-2476.  
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**McPherson Co.-** 5.5 Acres m/l potential for commercial or light industrial use. Chris 493-2476.

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**LAND FOR SALE:**  
1) **24109 243rd Street, McLouth, KS:** Beautiful rolling fields and pastureland! Gorgeous 3 bedroom reverse 1.5 story on 108 acres! Incredible views in all directions! Home features spacious kitchen, formal dining room, finished walkout basement, huge laundry, and spacious master suite with fireplace, walk-in closet, and plush private bath! There are 3 large ponds on the property! 80x52 barn with concrete floor! Priced at \$499,000.  
2) **23635 139th Street, Leavenworth, KS:** Prime development on 7 Highway, great 105 acres m/l! Home features 4 bedrooms, super large master suite with private bath, hardwood floors, finished lower level, and vinyl siding. There is also a 2 bedroom 1 bath rental home on the property just to the left of the main entrance. Lots of outbuildings - perfect for farming and cattle! Priced at \$549,950.  
3) **Great 80 Acre track of farm ground!** Located on paved roads with road frontage on 2 sides. Rural water runs down one side of the property. Awesome place to build your dream home and create income from crops. From State Ave in Basehor go North on 155th St, property is on the NE corner of 155th St and Donahoo Rd. Priced to sell at \$440,000.

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danlynch@lynchresidential.com

**Dan Lynch**  
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**AG LAND**

**New Listing! 80 Ac +/-** CRP and pasture w/pond S of Abilene on Jeep Rd. Call Brad!  
**New Listing! 58 Ac +/-** mostly tillable w/wildlife habitat S of Ada on Salt Creek. Call Ray!  
**New Price! 40 Ac +/-** tillable 1/2 mile NE of Salina. Call Ray!  
**New Price! 160 Ac +/-** 4 mi N of Bennington. Pasture. Call Ray!  
**66 Ac +/-** tillable just 3 miles E of McPherson. Call Ray!  
**160 Ac +/-** just NW of Talmage on 18 HWY about 1/2 pasture and 1/2 tillable, 2 ponds and a nice view. Call Ray!  
**120 Ac +/-** just 4 mi NE of Salina. Pasture and tillable with a great view of Salina and the Saline River Valley! Call Ray!  
**70 Ac +/-** 6 miles E of Bennington. Call Ray!  
**285 Ac +/-** irrigated tillable located NW of Minneapolis on blacktop, 2 pivots & nice bldg. Call Ray, 785-452-8498  
**240 Ac +/-** Geary Co. blacktop frontage 190 pasture w/new fences, 3 big springs and 2 new wells. 45 tillable. Close to town. Seller is a Kansas licensed real estate agent. Call Ray!

**AUCTION RESULTS**  
We had attendance of around 150 with active bidding from multiple buyers. Thank you to all that attended and Happy Holidays!

**TRACT 1:** 128 acres mostly CRP, sold for \$221,000, or \$1,726/acre  
**TRACT 2:** Home and 8 acres +/- sold for \$93,000  
**TRACT 3:** 159 acres with 38 acres pasture and balance in CRP sold for \$244,000 or \$1,535/acre  
**TRACT 4:** 157 acres with 58 acres pasture and balance in CRP sold for \$333,000 or \$2,121/acre

**RECENT SALES**

320 ac +/- @ Culver, river bottom tillable and pasture **SOLD!**  
200 Ac +/- @ Ada, tillable on Salt Creek **SOLD!**  
320 Ac +/- @ Minneapolis, tillable on Pipe Creek **SOLD!**  
40 Ac +/- @ Ada, hay meadow **SOLD!**  
80 Ac +/- @ Tuttle Reservoir, pasture **SOLD!**

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Brad Budden.....785-280-0915  
Billy Randle.....785-479-1152  
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**LAND FOR SALE**  
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120 acres Jackson County Farmland - **Under Contract**

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2008 JCB 536-60 Agra telehandler 2,800 hrs

2002 NH TV140 bucket, pallet forks 2,800 hrs

2003 Case IH MX255 Magnum, 6400 hrs

1983 Case 2294 8400 hrs

**HAY EQUIPMENT**

New Hesston 2956A rd balers

2013 Hesston 2856A net baler

MacDon A30D sickle MoCo

New H&S 1660 16 wheel Hi Cap rakes

Vermeer R23 twin rake

2013 Hesston 2856A net baler

**COMBINES**

2010 MacDon FD70 40' flex draper JD mounts

2002 Case IH 1020, 25' flex head with Cray Air reel

1994 Case IH 1010 25' head salvage

2005 Case IH 2388, speciality rotar, 1500 rotar hrs

2004 Case IH 2366

1990 Case IH 1083 cornhead

2003 Gleaner R65, 2700 sep. hrs

1997 Case 1064 cornhead, recent rebuild.

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2011 Case IH 7088, 4WD

2011 Case IH 3020 flex 30'

2007 CASE IH 2020 flex, 30', 35'

2006 Case IH 2388 4WD

2005 CASE IH 2208 8RN

1998 Case IH 2388 4WD

**NEW TRACTORS**

CASE IH Puma 130 MFD

Case IH Maxxum 140 MFD

Case IH Maxxum 125 MFD

Case IH Farmall 105U MFD

Case IH Farmall 85C MFD

**USED TRACTORS**

2008 Kubota M108x, MFD

2013 Case IH Magnum 340

2005 Case IH Magnum MX285

2007 Kubota L3830, HST, 4WD

1997 NH 4835, cab. MFD, ldr.

**MISCELLANEOUS**

2006 Case IH RMX 370 disc 28'

2006 Case IH DCX 131, disk mower

2011 Case IH 1240 16/31 fert.

2010 Case IH 1240 16/31

2008 Case IH 1240 16RN, BF

1995 Case IH 4800 FC 32'

2007 MF 2745, net/twine

1999 NH 658 twine

1990 Hesston 1150 MoCo

IH 490 disc 25'

2011 BushHog 2615 flex mwr

2004 JD 915-7 ripper

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'05 Kinze 3650 16/31 \$42,500

'05 Kinze 3200 12-30 \$23,850

'04 Kinze 3650 12/23 \$42,000

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**COMBINES**

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'12 JD S670 4WD . . . \$195,000

'12 JD S660 . . . \$210,000

'11 JD 9770 4WD . . . \$149,500

'09 JD 9770 . . . \$121,500

'08 JD 9770 Hillco . . . \$137,500

'11 JD 9670 . . . \$155,000

'07 JD 9660 Hillco . . . \$114,500

'05 JD 9660 . . . \$68,000

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'13 CAT 760 . . . \$265,000

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32 corn heads

24 flex heads

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CEA high dump 8' bucket

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New 12", 16" M&M tree shears

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'01 JD 8410 . . . \$99,500

'11 JD 8360R . . . \$225,000

'11 JD 8310R . . . \$179,500

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'14JD 6125 loader . . \$100,000

'94 JD 4760 MFWD . \$57,500

'89 JD 4455 . . . \$34,500

'74 JD 4030 w/ loader \$15,500

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'03 JD 726 38' . . . \$27,500

'10 CIH 30' Turbo VT . \$36,500

'06 SF 1444 40' . . . \$38,500

'11 CIH 370 30' . . . \$39,000

**HAY EQUIPMENT**

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'07 JD 568 . . . \$21,500

'96 JD 566 . . . \$9,950

'05 Gehl 2880 . . . \$8,500

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1997 CASE IH 2188, 5743 hrs. ....\$24,500 (M)

2004 JD 9560 STS, 2697 hrs... \$95,000 (H)

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Vermeer 605F 5x6 ..\$1,950 (M)

1991 Hesston 1160 14' .....\$4,000 (C)

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1992 NH 499, 12'.....\$5,750 (S)

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2013 Case TR320, 459 hrs. ....\$50,000 (S)

2000 Case 75XT, 2465 hrs.....\$15,000

2012 Gehl 5640E, 343 hrs. ....\$31,500 (M)

2011 JD 320D, 215 hrs.....\$31,000 (W)

**MACHINERY**

**USED TRACTORS**

'09 Case IH Farmall 35 MFD w/ldr, 290 hrs

'04 Case IH MXU100 MFD, ldr., 2100 hrs

'97 Case IH 5340 MFD w/loader, 9775 hrs

'88 Case IH 7120, 2WD, 5650 hrs

'82 IH 5088, 5865 hrs

'77 IH 986 w/loader

'41 IH FarmAll A w/Woods belly mower

**MISCELLANEOUS**

'13 CASE IH DC132 disk MOCO

Bush Hog 3126 rotary mower new blades

'11 Case IH 3406 corn head

'07 Case IH RMX340 25' Case IH 3950 disk 2377" Case IH 496, 22'

'09 Case IH 330 turbo 25'

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Case IH 6500 conser til chisel 14'

Sunlower 1433 25' disk

2012 CASE IH 2500 5 Shank Ripper

'96 JD 9500, 4WD, 3275 eng., 2205 sep.

'96 JD 920 flexhead

'91 JD 653A row head

'89 JD 643 cornhead

'88 CASE IH 2366 4WD 2180 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

'92 NH 660 twine/ net baler

'92 Case IH 8480 rd. baler

'86 Hesston 5530 rd. baler

'11 Case IH WRX301 12 wheel rake

JD 672 side delivery rake

IH 2001 loader

GB 870 loader, fixer upper

60" rotary mower 2 pt. hitch

8' rear blade 2 pt. hitch

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2002 CASE IH MX270, 62000 hrs.....\$67,500 (H)

2004 CASE IH MX230, 5861 hrs.....\$76,500 (C)

2013 CASE IH Maxxum 125 w/ldr, 600 hrs. ....\$95,000 (C)

2008 CASE IH Puma 165 w/ldr, 3250 hrs.....\$89,500 (W)

1997 CASE IH 9370 4WD, 6341 hrs. ....\$65,000 (M)

1987 JD 4650 2WD, 5910 hrs. . . \$37,500 (W)

2000 JD 7410 2WD, 4222 hrs. . . \$48,500 (M)

Allis Chalmers WD45.....\$2,500 (M)

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 Discharge Finish Mower with  
 chain shielding.....\$1,750  
 2012 MF Hesston 2846A round  
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 ext, soft core kit, light kit, Sub-  
 urban Lube Minder, stk#1161.  
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 Oliver 1855 diesel, stk#3556.....  
 .....\$8,900  
 Hesston 856 round baler.....  
 .....\$7,500  
 Hesston 856A round baler.....  
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 1991 Hesston 1160 sickle  
 mower conditioner.....\$4,900  
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**Pork industry committed to responsible antibiotics use**

The National Pork Board recently reiterated the proactive steps the U.S. pork industry has taken to ensure responsible antibiotic use on pig farms. Pork industry leaders say calls by various organizations to end antibiotic use on farms are misguided and would have a negative impact on food safety.

"We understand people are confused about the role of antibiotics in meat production and, unfortunately, recently released reports only add to that confusion," said Dr. Jennifer Koeman, DVM and Director of Producer and Public Health at National Pork Board. "It's simple - when you produce healthy livestock, you get safe food. The meat you eat is safe due to Food and Drug Administration rules on antibiotics and U.S. Department of Agriculture testing of meat."

The pork industry has collectively embraced USDA and FDA efforts to phase out the use of antibiotics for growth promotion

and, in turn, to limit them to treatment and prevention against the spread of disease. The National Pork Board is implementing a three-point plan of action focused on five research priorities, shaping educational outreach to pig farmers and broadly sharing information with the retail and foodservice industries and pork consumers.

"Pig farmers have an obligation to use medicine responsibly and as needed to treat or prevent illness in pigs," said Koeman. "That's why pig farmers also work closely with veterinarians to decide when and how to use antibiotics to protect a pig's health."

On behalf of more than 60,000 pig farmers across the nation, the National Pork Board is leading the effort and dialogue around responsible antibiotic use, including:

Establishing a blue ribbon panel on antibiotics, an outcome of the Pork Checkoff's stewardship plan announced this past June. The

new, third-party panel includes seven experts with specific experience and knowledge in antibiotic practices or consumer marketing, but who are independent of National Pork Board practices.

Educating America's pig farmers on new FDA rules for the use of medically important antibiotics (to treat human illness) in feed and water and investing up to \$400,000 in education and awareness programs to ensure pig farmers understand and adopt these new guidelines.

Investing more than \$750,000 in new research projects that span five distinct priorities intended to provide data for animal and public health outcomes (pig health/welfare, human health/safety, environmental impact and pork quality).

Sharing the innovation of today's production practices and efforts to responsibly use antibiotics with food chain partners and other important stakehold-

ers. This past month, meetings were held with animal health companies, packers and processors, and retail and foodservice leadership.

"Our efforts are focused on sharing a story of innovation and excellence in pork production," said Derrick Sleezer, National Pork Board president and a pig farmer from Cherokee, Iowa. "Our farmers are experts in animal care and sustainable farming. And that expertise is needed to maintain our track record of responsible antibiotic use with a goal to protect the health and well-being of people, pigs and the planet."

To learn more about responsible antibiotic use, please visit the Pork Checkoff's Antibiotic Resource Center:

www.pork.org/antibiotics. Under the "Checkoff News" tab, download a copy of the Pork Industry's Three-Point Antibiotic Stewardship Plan, learn more about the antibiotic research priori-

ties for 2016, and access a new Infographic.

The National Pork Board has responsibility for Checkoff-funded research, promotion and consumer information projects and for communicating with pork producers and the public. Through a legislative national Pork Checkoff, pork producers invest 40¢ for each \$100 value of hogs sold. Importers of pork products contribute a like amount, based on a formula. The Pork Checkoff funds national and state programs in advertising, consumer information, retail and foodservice marketing, export market promotion, production improvement, science and technology, swine health, pork safety and sustainability and environmental management.

For information on Checkoff-funded programs, pork producers can call the Pork Checkoff Service Center at (800) 456-7675 or check the Internet at www.pork.org.

**The International Year of Soils: Soils and Climate**

By **Katie Allen**

Several components of the earth influence its climate. The climate system involves the earth's oceans, land surfaces, soils and the atmosphere, according to Kendra McLauchlan, associate professor of geography at Kansas State University. The interactions among these components with one another and with various

life forms on earth also play a role in climate.

Carbon is the fourth most abundant element in the universe, and the carbon cycle on earth is one of the most important interactions that influence climate, McLauchlan said. Carbon on earth is found in various forms: in oceans as carbonic acid, in the atmosphere as carbon dioxide, in wood as cellulose and in the soil in the form of organic matter.

"Soil contains a large portion of the carbon on earth," McLauchlan said. "It contains more carbon than all the carbon dioxide in the

atmosphere and all the forests on earth combined."

Carbon in the soil is mostly stable and remains locked away beneath the surface, she added. However, it can be oxidized back into the atmosphere by exposure to oxygen or when eaten by microbes and turned into carbon dioxide.

"The greenhouse gas carbon dioxide is this little molecule that has the amazing ability through its molecular structure to retain solar radiation and emit it back to the atmosphere," McLauchlan said.

Therefore, the carbon

cycle helps keep the planet warm and supports life, but too much carbon dioxide in the atmosphere can have the negative effect of warming the planet too much.

Because soil is a main player in the global carbon cycle, "Soils and Climate" is a fitting theme for the 2015 International Year of Soils, which involves a coordinated effort to educate the public about the importance of soil.

**Retaining carbon in the soil**

"It's a great idea to keep as much carbon in the soil as possible," McLauchlan said. "Conservation tillage management and other activities land managers can do help keep carbon in the soil. Most of those activities involve using plant matter to retain carbon inputs and avoiding loss pathways, such as erosion or disruptive tillage practices that may oxidize the carbon."

Examples of ways to retain carbon in the soil could include planting riparian buffers and cover crops.

"Anytime we can get plants growing in the soil and adding their carbon from the atmosphere to the soil will increase soil organic matter stocks," McLauchlan said.

Further, she said land managers can use conservation tillage practices, such as no-till farming, to keep soil and carbon storage more stable. Many examples from past civilizations show how intensive agricultural tillage practices that gradually removed a bit of soil

every year eventually led to their demise.

"The message from those past civilizations is to watch for these slow changes and be as careful as you can with the soil resource," McLauchlan said. "The processes that form soil are slow, so just a little bit of loss every year can erode your soil resource."

**Reflectance and water storage**

In addition to carbon storage, soil can influence climate in two other key ways — reflectance of solar radiation and water storage, the paleoecologist said.

The soil surface reflects solar radiation, and whether the soil is dark or light can either serve to cool or heat the atmosphere. Water is held in soil and can either be retained in liquid form or released as water vapor. When the latter occurs and water vapor is released into the atmosphere, it serves as a greenhouse gas that can warm the planet, similar to the mode of carbon dioxide.

To watch a video interview about "Soils and Climate" that features McLauchlan, log on to the K-State Research and Extension YouTube page (www.youtube.com/watch?v=2Xvj7S8IPE&feature=youtu.be).

The Soil Science Society of America has numerous resources for the public, teachers and children about soil and each monthly theme for the International Year of Soils. Log on to www.soils.org.



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# KLA members elect Perrier, Clawson to officer positions

A Greenwood County seedstock cattle producer and a Clark County rancher and farmer have been elected to serve as officers for the Kansas Livestock Association (KLA). Members chose Matt Perrier of Eureka as president and David Clawson from Englewood as president elect during the group's annual business meeting December 4 at the KLA Convention in Wichita.

Perrier represents the fifth generation of his family's registered Angus and ranching operation. Dalebanks Angus started as a sheep farm in 1867. It has continuously maintained a registered Angus herd since 1904. Today, the seedstock cattle operation focuses on producing genetics for the commercial cow-calf producer.

The list of industry leadership positions he has held is lengthy. Perrier is a past chairman of the KLA Stockgrowers Council. He has

served on the KLA Executive Committee and KLA Board of Directors. He currently is on the National Cattlemen's Beef Association (NCBA) Board of Directors and is a member of the NCBA Ag and Food Policy Committee.

He attended the NCBA Young Cattlemen's Conference (YCC), serving as chairman of the group in 2007. Perrier also has attended the KLA Leadership Conference.

Perrier has served on the Kansas Animal Health Board. He is a past member of the U.S. Premium Beef Nominating Committee and Kansas Angus Association Board of Directors. Perrier is a past president of both the Greenwood County Cattlemen's Association and Greenwood County Farm Bureau. He previously served as vice president of the Greenwood Preservation Society, which helped restore the historic Green-

wood Hotel.

He graduated from Kansas State University in 1996 with a degree in animal sciences & industry (AS&I). Prior to coming back to the family business, he was director of retail and foodservice programs for the Pennsylvania Beef Council and served in several staff capacities, including as a regional manager, for the American Angus Association.

Perrier and his wife, Amy, have four children: Ava, Lyle, Hannah and Henry.

Clawson is a fourth-generation rancher and farmer with ties in various family partnerships. The Clawson Ranch Partnership, with his brother, Dan, includes a cow-calf business and an irrigated and dryland farming operation. The stated

purpose of this partnership is to "sow, nurture and grow" not only food for the world, but also people. Clawson is a part owner in High Plains Dairy at Plains and has a partnership in Plains State Bank. His farm and ranch holdings are located in Kansas and the Oklahoma and Texas panhandles.

The list of Clawson's leadership involvement is extensive. He currently serves on the KLA Executive Committee and the KLA and NCBA boards of directors. Clawson is immediate past chairman of the KLA Dairy Council and is a past chair of the KLA Stockgrowers Council. He previously has chaired the KLA Tax Committee and served as vice chair of the KLA Policy & Resolutions Committee. Clawson currently is

a member of the NCBA Tax & Credit Committee. He attended the NCBA Leadership Institute in 1997 and YCC in 2002.

Clawson sits on the K-State Livestock and Meat Industry Council Board of Directors. He served four years on the board for Southwest Kansas Groundwater Management District #3. Clawson is a past member of the Cimarron Basin Governor's Water Advisory Board. He has served 16 years on the Ashland School Board and is very active in his church and its youth ministries.

He graduated from K-State with a degree in AS&I in 1986.

Clawson and his wife of 28 years, Jeanne, have three grown children. Layne graduated from the Air Force Academy and now is a pilot in the Air Force. Ann, a K-State graduate, is a high school English teacher at Southwestern Heights High School in Plains/Kismet. Carl is a senior in AS&I at K-State. KLA is a 5,200-member trade organization representing the state's livestock business on legislative, regulatory and industry issues at both the state and federal levels. The association's work is funded through voluntary dues dollars paid by its members.

## Wheat growers commend Congress for reversing cuts to crop insurance

Congress passed legislation last week reversing cuts to crop insurance that were made in the recent budget deal. The legislation—included as part of the highway bill—nullified what would have been a \$3 billion cut to crop insurance over ten years. NAWG president Brett Blankenship, a wheat grower from Washtucna, Wash., issued the following statement in response to the legislation.

"Last night's vote was a huge victory for our agricultural producers and consumers everywhere. Congress made a five-year commitment to our producers when it passed the Farm Bill last year, and yesterday's votes in the House and Senate confirmed that commitment. Wheat farmers across the country rely on crop insurance to help offset the risks of things that are beyond our control such as drought, severe weather events and market prices depressed by a strong U.S. dollar. The draconian cuts included as part of the budget agreement, which were reversed last night, would have increased the cost of delivering the program, reduced options for producers, and ultimately made premiums more expensive. We sincerely appreciate the corrective action taken by Congress, as do the thousands of farm families who grow wheat across our country."

### BELLEVILLE 81 LIVESTOCK SALES

Junction Hwys 36 & 81 Belleville, Kansas

**CATTLE SALES EVERY FRIDAY • 10:30 AM**

*Dec. 4 sale. Slaughter Cows, \$50-\$79.  
Bred Heifers, \$1675-\$1900*

STEERS		HEIFERS	
400-500 lbs.	\$194-\$212	375-500 lbs.	\$167-\$202
501-600 lbs.	\$172-\$200	526-600 lbs.	\$156-\$183
601-182 lbs.	\$162-\$182	601-700 lbs.	\$147-\$164.25
701-800 lbs.	\$155-\$168	701-800 lbs.	\$145-\$156
826-900 lbs.	\$160-\$163	851-1050 lbs.	\$110-\$147

**Friday, December 11th Sale:**  
30 blk, 550-700 lbs.; 40 blkwf, 550-700 lbs.; 150 blk, 600-800 lbs.; 120 blk, 625-800 lbs.; 46 Char blk, 600-750 lbs.; 60 Char x, 550-700 lbs.; 50 blk red, 600-750 lbs.; 50 blk, 700-800 lbs.; 52 blk, 550-700 lbs.; 60 Char x, 600-700 lbs.; 105 blk, 670-775 lbs.; 125 Red Char x, 650-800 lbs.; 32 blk, 700-800 lbs.

**Friday, December 18th Sale:**  
100 blk, 600-800 lbs.; 36 blk str, 700-800 lbs.; 75 blk, 650-750 lbs.; 60 blk, 500-700 lbs.; 43 blk, 600-750 lbs.

**Big Round Bale Feeders  
SPECIAL PRICING! CALL NOW! 785-527-2258**

**For Market Reports, and Early Listings  
Website: Belleville81.com**

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*Thanks for your business!*

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Well done, rare, medium?**

Everybody has a personal choice.

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Same deal, everybody's situation is  
different, and we do cater to  
what you need and want.**

**We will blend the supplements to complement your feedstuffs ... you name it, we can balance your ration.**

*Call Us Now so we can help you  
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livestock productivity and  
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*Joseph Ebert, General Manager*  
P.O. Box 516, Clay Center, KS 67432  
**785-632-2141 • WATS 1-800-432-7423**

## EMPORIA LIVESTOCK SALE CO.

*Bonded & Insured*

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

Date: 12/02/2015. Total Head Count 554.  
Cows, \$76-\$82; \$69-\$75.75; \$68 & down. Bulls \$97-\$106.

2 blk-bull	1068@129.00	6 blk/blkwf-str	618@170.50
2 blk-hfr	333@208.00	114 blk-str	638@177.00
8 blk-hfr	423@211.50	2 blk-str	705@164.00
2 blk-hfr	483@188.00	124 mix-str	710@169.75
5 blk-hfr	483@177.50	2 blk-str	743@160.50
9 blk-hfr	642@158.00	4 blk-str	759@159.50
2 blk-hfr	738@147.00	5 blk-str	773@161.00
4 blk-hfr	775@154.00	6 blk-str	790@156.00
2 blk/blkwf-hfr	803@145.00	4 blk/blkwf-str	819@160.50
6 blk-hfr	858@142.00	5 mix-str	819@158.50
9 blk/blkwf-hr	903@140.00	5 blk/blkwf-str	946@153.50
4 mix-hfr	944@135.00	2 char-str	973@145.50
6 mix-hfr	1226@114.50	2 blk-str	1068@125.50
2 blk-hfr	1350@106.50		
3 blk-str	415@215.00		
4 blk-str	424@205.00		
5 blk-str	592@174.00		
3 blk-str	602@158.00		
10 blk-str	614@181.00		

**EARLY CONSIGNMENTS FOR December 11:**  
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
- 22 blk & blkwf spring bred cows 7 yrs old - Thompsen
- 25 blk & red spring bred cows running age - Mashed O Ranch
- 9 fancy Angus AI spring bred hfrs - low birth weight bulls - Vanocker
- 15 blk Hfrs 500-550# - weaned
- 104 blk & red str & hfrs 400-650# 45 days weaned
- 12 blk & blkwf str 550-650# - weaned
- 60 blk & blkwf str & hfrs 550-650# - fancy
- 150 str & hfrs 500-700# - weaned & homeraised
- 35 blk & blkwf str 600-750# - 90 days weaned - homeraised
- 85 blk & blkwf str 600-750# - weaned & shots - homeraised
- 55 mostly blk str & hfrs 750-850# weaned - homeraised
- 46 blk str & hfrs 750-850#
- 110 blk red & char str 750-900#
- 79 blk & red str & hfrs 775-925#

**MORE CONSIGNMENTS PENDING!**

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

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

## JC LIVESTOCK SALES INC.

**Wednesday Sale, Hogs NOON • Cattle 12:30 PM**

For the week of December 2, 2015:

STEERS		HEIFERS			
2	425	212.00	4	521	169.00
5	444	207.00	17	826	156.00
6	523	204.00	17	610	155.00
2	518	203.00	12	583	155.00
14	518	197.50	2	780	153.50
5	539	194.50	15	904	150.50
9	625	179.25	20	772	150.50
21	630	173.25	10	848	150.50
5	705	168.00	9	752	145.50
6	683	165.50	3	928	134.00
25	747	165.50			
13	839	165.00			
11	728	162.50			
21	853	160.25			
11	878	159.50			
4	851	150.50			
9	1000	138.50			

**Top Butcher Cow was \$76.00 @ 1,390 lbs.**  
**Top Butcher Bull was \$91.50 @ 1,865 lbs.**  
Bred Cows: \$1,060 to \$1,850  
Pairs: No Test  
Fat Hog Top: \$27.00 @ 300 lbs.  
Sows: No Test  
Pigs: No Test

**CONSIGNMENTS FOR DECEMBER 9:**  
8 blk X Spring Bred Cows.....4 & up bred Angus.....Complete Dispersal  
40 Ang Str/Hfrs.....550-700 lbs.....Weaned  
47 Blk X Str/Hfrs.....600-750 lbs.....Weaned  
60 Blk Str/Hfrs.....500-700 lbs.....Weaned  
28 Red Angus Strs.....500-675 lbs.....Weaned  
50 mix Strs.....600-700 lbs.....Weaned  
60 mix Strs.....800-850 lbs.....Yearlings  
60 Blk X Strs.....825-875 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](http://jccclivestock.com)**

**JUNCTION CITY, KANSAS • Barn Phone 785-238-1471  
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Tom Koch, 785-243-5124      Lance Lagasse, 785-262-1185

<b>KARL LANGVARDT</b> 785-499-5434 Cell: 785-499-2945	<b>MITCH LANGVARDT</b> 785-238-1858 Cell: 785-761-5814	<b>LYNN LANGVARDT</b> 785-762-2702 Cell: 785-761-5813
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# The Importance of Soil - a topic well-understood by farmers

**By Kim Larson, Crop Production Agent, River Valley Extension District**

As 2015 is quickly coming to a close, so wraps up the International Year of Soils. This year was declared the International Year of Soils by the United Nations with the aim to increase awareness and understanding of the importance of soil for food security and essential ecosystem functions.

As farmers, you have a keen awareness of the importance of healthy soil in your fields for optimum yields. You see those compacted areas where you run your grain cart or other heavy equipment simply by observing the stunted growth of your crops patterned after wheel tracks. You know the creek bottoms are your best producing fields because good topsoil carried downstream has

washed there. You know the eroded or sandy areas in your fields because as soon as the hot dry Kansas winds blow in the summer, the plants in those spots will wilt first. Your precision operations and nutrient applications are based on the soil texture, type, health, etc of your soil in your fields. Therefore soil health and conservation is and should be a number one priority of any farmer to continue to produce good crops on his land.

Soil is a fascinating substance. There are scientists at K-State and many other places that simply spend their lives studying the complexities and interactions of soil. In one tablespoon of healthy soil, there are more organisms than there are people on earth. Soil is teeming with life; being a host to a quarter of our

earth's biodiversity. It is estimated that 95% of our food is directly or indirectly produced on our soils. Because soil is usually covered by plant material and not something in our faces to observe every day, it can be easy to forget its importance. With a rapidly growing world population which is sustained by our soils, it is critical that the soil we care for is nurtured and protected within our farming operations. The formation of soil is extremely slow making it a finite resource, meaning its loss and degradation is not recoverable within a human lifespan.

One common way we lose our topsoil in fields here is by water erosion. Large rain events can wash loose soil off our fields and cut ditches through the field. This is an obvious loss to the farmer that usually gets repaired. However, slow topsoil erosion across a field can lull a farmland owner into thinking that the value of the lost soil is minimal. This is not the case. Rill erosion across your field can easily cause .5-1 ton per acre soil loss each year depending on the environment. The cost of applied fertilizer nutrients carried away by soil ero-

sion, loss of soil organic matter, the costs to apply soil amendments and higher rates of fertilizer to offset erosion losses all impact your operation. Not only does soil loss affect you now, but it affects your farm value and ability to sustain good yields in the future.

It is time to remain vigilant in caring for your soil in your fields. Practice no-

till or minimum-till farming, retain residue, grow cover crops, fix terraces. Take the time to make soil a number one priority. Your crops, the future generations, and the hungry world will be glad you did. For more information about the International Year of Soils, go to: [www.fao.org/soils-2015/en/](http://www.fao.org/soils-2015/en/)

## KLA long-time members, scholars recognized

Two groups of people were honored by KLA at last evening's banquet. Long-time loyal KLA members were recognized, as were recipients of scholarships from the Kansas Livestock Foundation (KLF). These individuals represent a legacy of faithful support and the future of the organization. Six were honored for 50 years of continuous membership. They were Maurice Erickson, Eureka; Jack Frick, Lakeland, FL; Don Kropf, Manhattan; Wiley McFarland, Cimarron; Kent Radcliff, Dexter; and Clinton Stalker, Jr., Satanta. Another group was congratulated for reaching 60 years in 2015. They were Marcie Deets, Beloit; Stan Fansher, Garden City; D.C. Phillips, Wa Keeney; and John Netherland, Ottawa.

There were 19 students on stage for the KLF scholarship presentation. These individuals collectively earned \$19,500 in scholarships from KLF. K-State students honored and their hometowns were Tanner Aherin, Phillipsburg; Rustin Ardery, Mullinville; Lindy Bilberry, Garden City; Cooper Clawson, Meade; Samantha Capoun, Alma; Kord Curran, Farlington; Chelsey Figge, Onaga; Gabrielle Gilliam, Washington; Matthew Hamon, Ozawie; Dean Klahr, Holton; Kyler Langvardt, Chapman; Michael McKinney, McPherson; Ty Nienke, Lorraine; Nathan Peterson, Assaria; Justin Schmutz, Salina; Elizabeth Wilk, Osage City; and Spencer Yenni, Lindsborg. Students attending other colleges recognized for receiving KLF scholarships were Wyatt Durst, Morrowville, Hutchinson Community College; and Elizabeth Patrick, Tonganoxie, Highland Community College.

Another scholarship recipient honored was Kande Griffin of Strong City. The K-State student earned a scholarship from the Kansas CattleWomen (KCW). Funds for the KCW scholarship are generated through the silent auction here at the convention.

**VALENTINE LIVESTOCK AUCTION CO. Valentine, Neb.**  
**Special Bred Heifer & Female Sale THURSDAY, DECEMBER 10, 2015**  
**S.T. 12:00 Noon • Expecting 2,500 head**

**Bred Heifers:**  
 113 angus (1050-1150#) 78 hd synchronized & A.I. bred angus (Absolute & Complement) Balance bred angus (Bobcat son); of 2-25 for 60 days. Home raised, freeze banded, ultrasound pregged, Gentle, big, broody, & and hand-picked for conformation & disposition, top shelf. Several years of A.I. genes; many sired by Hoover Dam & 2U66 .....Corky & Janet Worth (402-497-3135)  
 77 angus & blk (1100#) sync & A.I. bred angus (Right Answer) (45hd); of 2-22 for 1 day, cleaned up angus (2U66 sons); of 3-1 for 15 days (22 hd); of 3-15 for 15 days (10 hd), Deep, eye catching kind .....Cody Cone (308-520-4687)  
 62 blk (1050#) sync. & A.I. bred angus (C Irish & C Balancer); of 2-24 for 2 days .....Jim Heath (402-322-9912)  
 55 angus & blk (1000-1050#) synchronized & A.I. bred angus (Absolute); of 2-15 for 1 day, Gentle, top end of top, long sided .....Clint Burney, Brownlee NE (402-322-0677)  
 53 angus & blk (1000-1050#) bred angus (EF Complement & Final Product sons); of 3-5 for 30 days. Hftrs sourced from 4 ranches & are the top cut, have been sorted three times .....Clint Burney  
 53 angus & bwf (1050-1100#) bred angus (Connealy); of 3-15 to 4-10, Connealy influence for 15 years .....Powder Horn Rn (Will Fischer @ 402-376-1855)  
 50 blk (1050#) sync. & A.I. bred angus (Con. Comrade); of 2-20 for 1 day, Better sort of 150 hd .....Rick & Missy Weber  
 47 blk (1050#) sync. & A.I. bred angus (Con. Comrade); of 2-20 for 3 days. Corky Worth origin .....Garrett Leonard  
 38 blk (1050#) bred LBW angus; of 3-10 for 60 days .....Garrett Leonard (402-322-9933)  
 100 angus & blk (1050#) sync. & A.I. bred angus; of 2-25 for 50 days. Ultrasound pregged .....Larry Heath

**Liquidations & Dispersions:**  
 135 angus & blk (4 yrs; 1235) sync & A.I. bred angus (Baldrige Waylson & B. Titan); of 3-20 for 5 days, cleaned up. Angus (Waylon sons); of 3-25 for 45 days. Big ribbed, top shelf kind .....Asman L&C (Mike @ 605-730-0966)  
 65 blk (5 bwf) (35 hd @ 3-6 yrs) (10 hftrs) 18 hd A.I. bred angus (SAV & Priority); of 2-15 for 60 days. Not many but good! Dispersion .....Brook & Tracie Hobbs (402-382-0013)  
 (385) 110 blk (7 & 8 yrs; 1300-1400#) bred angus (Dickau & Garwood); of 3-10 for 55 days 180 blk (short-spread & broken; 1400#) bred rd angus or blk; of 3-10 for 60 days 40 blk (broken mouth; 1300-1400#) bred blk; of 3-10 for 50 days Dvorak & Garwood 55 blk (SM, few broken) bred angus (Garwood & Dickau); of 3-10 for 55 days (Tanner@402-340-6904) 200 blk (100 @ 5 yrs, 60 @ 6-9 yrs) & bwf (40 hd running age) (1300-1350#) bred angus (Logterman); of 3-10 for 60 days. Liquidating a good set - very likeable .....Marshall Tinant (402-376-4949)

**Other Bred Females:**  
 25 blk (3 yrs; 1150-1200#) bred angus; of 3-15 for 40 days. Home raised .....Randy & Chris Huddle  
 175 blk, bwf & rd (ST; 1250#) 40 blks bred wf, bal, bred blk, of 3-1 for 80 days. Liquidation .....Mike Peterson  
 15 angus (3-10 yrs) bred angus (Baldrige); of 3-20 for 60 days, years good. Brush Creek Ranch 50 blk, blk-x (4 rd) (12 yg & 1/2 ST) bred blk simm; of 3-10 for 70 days .....Jerry & Todd Adamson  
 48 angus & bwf (3-12 yrs) bred angus (Connealy); of April-May .....Powder Horn Rn  
 40 blk (short term) bred angus; of 3-7 for 60 days. Home raised .....Doughboy Cattle Co  
 40 blk (short term) bred angus; of 4-1 for 75 days .....Bob Simmons  
 38 blk (short term; 1300-1350#) bred angus; of 3-1 for 80 days .....Jon & Rachel Kinne  
 Plus more from Hayland Cattle Co (30), Jim Hanna (30), Powder Horn Rn (25), Ray Blackford (25), Shane Wobig (15), Rocking Arrow Rn (14), Beck, Jespersen, Hollenbeck, Hoppolater

**Plus more from Beck, Jespersen, Hollenbeck, Hoppolater**  
 View our special sales online @ [cattleusa.com](http://cattleusa.com)  
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 For complete listing visit our website: [www.valentinelivestock.net](http://www.valentinelivestock.net)

**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, Dec. 3 we had 839 head of cattle on a low market, but active**

<b>STEERS</b>	15 bk bwf 721@163.00	14 bk bwf 613@163.00
2 bk 318@229.00	5 bk 736@160.50	9 bk bwf 602@163.00
4 bk bwf 260@224.00	16 bk bwf 837@158.75	7 bk 594@162.00
11 bk bwf 372@217.50	9 bk 805@157.00	13 bk 551@161.50
9 bk 463@212.50	6 bwf wf 827@155.00	6 bk bwf 658@159.00
10 bk bwf 435@207.00	7 red Char 677@152.00	8 bk 757@157.75
6 bk bwf 540@188.50	6 bk 950@149.50	13 bk red 575@155.00
5 bk 562@187.00	<b>HEIFERS</b>	27 bk bwf 783@153.00
21 bk bwf 567@185.50	4 Brangus 740@135.00	20 mixed 846@146.25
10 bk bwf 594@175.00	4 Brangus 246@253.00	5 mixed 691@145.50
7 wf bwf 586@172.50	10 bk bwf 334@220.00	5 bk bwf 995@138.00
4 bk 665@168.00	4 bk bwf 388@199.00	3 bk bwf 1095@124.00
5 bk bwf 655@166.00	5 bk 430@185.00	<b>BULLS</b>
6 bk 658@165.00	6 bk 482@171.00	5 bk bwf 351@209.00
7 bk bwf 654@163.75	17 bk bwf 510@167.75	6 bk bwf 476@194.00

**Butcher Cows: \$52-\$90, mostly \$60-\$80 very active.**  
**Butcher Bulls: \$75-\$100, mostly \$88-\$95 very active.**  
**Preg Cow: \$1000-\$1750**  
**Pairs: \$1600-\$2050**

<b>BUTCHER COWS</b>	<b>BUTCHER BULLS</b>
1 bk 1425@90.00	1 Limo 1905@100.00
2 bk 1165@89.00	1 bk 2145@99.00
1 bk 1310@88.00	1 bk 2145@99.00
1 red 1490@83.50	1 wf 1850@98.50
1 bk 1380@81.50	1 bk 2095@98.00
1 bk 1525@80.00	1 bk 2440@96.00
1 bk 1445@79.00	1 wf 1865@95.00
1 bk 1460@78.50	

**EARLY CONSIGNMENTS FOR DECEMBER 10:**  
 • 40 mostly bk cows 5-10yr old spring calves bred to Angus or Hereford wf bulls  
 • 70 bk red Char st-hef 350-600# vac off the cow  
 • 150 bk bwf st-hef 500-700# vac off the cow  
 • 105 bk bwf red st-hef 400-675# weaned & double vac

• 143 mostly bk st 800-925# off the grass  
 • 125 mixed st 900-975#  
 • 58 bk bwf red st 800-850# longtime weaned & double vac home raised 1-load

**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

**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 12-03-15 Head Count: 434**  
 300-400 lb. steers, \$160-\$233; heifers, \$150-\$199; 400-500 lb. steers, \$150-\$215; heifers, \$140-\$189; 500-600 lb. steers, \$150-\$193; heifers, \$130-\$157; 600-700 lb. steers, \$140-\$170; heifers, \$125-\$149; 700-800 lb. heifers, \$120-\$148. Trend on Calves: Choice steer & heifer calves \$5 - \$8 lower from 2 weeks ago run was limited because of muddy conditions. Trend on Feeder Cattle: Not enough feeder steers & heifers for a good test, but what few were sold would be \$5-\$10 lower. Butcher Cows: High dressing cows: \$72.50-\$84; Avg. dressing cows: \$60-\$72.50; low dressing cows, \$40-\$60. Butcher Bulls: Avg. to high dressing bulls, \$82.50-\$95. Trend on Cows and Bulls: Butcher Cows, \$3-\$5 higher; Butcher Bulls, steady to \$2 higher.

**Early Consignments for December 10:**  
 • 65 heifers, 750lbs  
 • 160 steers, 900-950lbs  
 • 65 heifers, 675-725lbs  
 • 100 heifers, 700-750lbs  
 • 150 steers & heifers, 700-750lbs  
 • 65 blk heifers, 750-800lbs  
 • 25 Angus steers & heifers, weaned 60 days, shots, 575lbs  
 • 50 Angus steers & heifers, weaned 60 days, shots, 675-700lbs  
 • 40 Angus steers & heifers, weaned 30 days, shots 575-600lbs  
 • 30 Angus steers & heifers, weaned 45 days, shots, 650lbs  
 • 15 running age mixed bred cows

**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](http://www.eldoradolivestock.com)

<b>Chris Locke</b> (316) 320-1005 (H) (316) 322-0675 (M)	<b>Steven Hamlin</b> (602) 402-6008 (H) (620) 222-1199 (M)
<b>Larry Womacks, Fieldman</b> (620) 394-3273 (H) (620) 229-0076 (M)	<b>Van Schmidt, Fieldman</b> (620) 367-2331 (H) (620) 345-6879 (M)

**Cattle Sale Every Thursday 11:00 AM**

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

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**Manager: Matt Kruse, 785-556-0715**  
**Fieldman: Terry Ohlde: 785-747-6554**

**View our website for current market report!**  
**[www.washingtoncountylivestock.com](http://www.washingtoncountylivestock.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, DECEMBER 1, 2015**  
**RECEIPTS: 1511 CATTLE**

<b>STEERS</b>	16 blk red str	785@163.00
1 blk bull 280@232.50	6 blk str	648@162.50
5 blk str 422@230.00	8 rwf bwf str	691@162.00
7 blk str 444@229.00	56 mix str	901@160.75
5 bwf str 431@228.00	6 blk str	784@160.00
5 bwf str 441@210.00	8 blk char str	769@160.00
7 blk str 494@208.50	19 char red str	887@156.75
5 blk red str 460@207.00	12 bwf rwf str	905@155.50
6 blk red str 514@204.00	11 mix str	834@155.00
7 blk str 525@203.00	17 h str	702@92.50
16 blk str 535@201.25		
15 blk bwf str 527@200.50	<b>HEIFERS</b>	
11 blk str 541@198.50	1 blk hfr	245@215.00
20 blk str 499@196.50	3 blk bwf hfr	393@191.00
11 blk str 551@194.50	2 blk hfr	437@183.00
6 blk bwf str 542@191.50	5 blk hfr	486@181.00
10 bwf rwf str 549@191.50	5 blk bwf hfr	471@177.50
5 blk str 570@189.00	8 blk red hfr	466@177.50
7 blk red str 554@188.00	9 blk char hfr	503@177.50
6 blk str 531@186.25	4 blk hfr	483@173.50
6 blk str 538@185.50	6 blk hfr	480@173.50
6 blk red str 605@184.00	13 blk hfr	466@173.50
33 blk str 626@180.00	4 blk hfr	501@171.50
18 blk str 613@179.50	18 blk red hfr	624@170.50
6 blk str 618@178.50	5 blk hfr	559@170.00
13 blk bwf str 625@178.00	9 blk hfr	538@170.00
13 blk str 623@178.00	10 bwf rwf hfr	502@170.00
9 blk str 687@177.50	7 blk hfr	494@169.00
17 mix str 613@177.50	15 blk hfr	545@169.00
7 blk str 651@177.00	4 blk hfr	628@166.50
7 bwf rwf str 555@177.00	8 bwf rwf hfr	593@166.00
29 blk red str 587@177.00	5 blk hfr	586@165.50
8 blk str 612@176.50	20 blk bwf hfr	528@164.50
10 blk str 715@176.25	7 blk hfr	559@164.00
10 blk str 683@176.00	12 blk bwf hfr	547@164.00
10 blk red str 601@175.75	19 blk hfr	570@164.00
14 blk str 675@175.25	15 blk red hfr	609@163.50
7 bwf rwf str 755@173.50	9 blk hfr	664@162.00
8 blk str 752@173.00	7 bwf hfr	670@161.50
5 blk str 692@172.00	8 blk hfr	584@160.00
11 blk char str 642@172.00	11 blk hfr	628@160.00
27 blk str 743@171.75	15 blk hfr	663@160.00
9 blk bwf str 676@171.00	11 blk hfr	612@158.50
13 mix str 737@170.50	6 blk hfr	641@158.00
12 blk bwf str 699@170.00	6 blk red hfr	697@158.00
10 blk red str 741@168.50	9 blk hfr	656@158.00
4 blk str 891@165.50	5 blk red hfr	605@155.00
6 blk str 695@165.00	9 blk hfr	785@155.00
35 blk str 789@163.60	17 blk red hfr	711@154.50
6 blk str 650@163.00	7 blk hfr	640@154.00

**DECEMBER 11--SPECIAL COW & BULL AUCTION--6 P.M.**  
 30 blk 1st calf hfrs/ blk ang/simm fall calves, exposed back to Moser Ranch blk ang/simm bull since Nov. 23  
 8 bwf 1st calf bred hfrs, bred angus bull for Jan. 15 calves  
 20 blk bwf 1st calf bred hfrs  
 10 red wf 1st calf bred hfrs  
 10 blk angus 1st calf hfrs, bred to Nemaha Valley Angus calving ease bull for Jan. 23 calves for 45 days  
 25 blk cows, 3 yrs, bred angus or char for March 12 calves for 75 days  
 9 bwf cows, 3 yrs, bred angus/simm bull for Jan. calves  
 9 red rwf cows, 3 yrs, bred blk simm for Feb. 11 calves  
 22 blk bwf cows, 3-5 yrs, bred blk simm for Feb. 11 calves

2 char cows, 3 yrs, bred to blk angus or char bulls  
 60 blk bwf red rwf cows, 5-SS, bred blk ang, red ang or blk simm for March calves  
 50 blk & red cows, 2&3 period 5-8 yrs  
 4 blk & char cows/250-400 lb. calves, 5-8 yrs, exposed back to blk angus or char bull  
 23 blk & red cows/calves, 7-Aged, exposed back to Longhorn bull  
 5 blk bred cows, bred blk angus for spring calves  
 1 jersey 1st calf hfr, 3rd period, bred jersey bull  
 9 blk cows/blk calves (60-90 days), running age

**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](http://www.holtonlivestock.com)**  
**EMAIL: [dan@holtonlivestock.com](mailto:dan@holtonlivestock.com)**

**View our auctions live at [lmaauctions.com](http://lmaauctions.com)!**



## USDA announces enrollment period for safety net coverage in 2016

U.S. Department of Agriculture (USDA) Farm Service Agency (FSA) administrator Val Dolcini has announced that producers who chose coverage from the safety net programs established by the 2014 Farm Bill, known as the Agriculture Risk Coverage (ARC) or the Price Loss Coverage (PLC) programs, could begin visiting FSA county offices starting Dec. 7, 2015, to sign contracts to enroll in coverage for 2016. The enrollment period will continue until Aug. 1, 2016.

"The choice between ARC and PLC is completed and remains in effect through 2018, but producers must still enroll their farm by signing a contract each year to receive coverage," said Dolcini.

Producers are encouraged to contact their local FSA office to schedule an appointment to enroll. If a farm is not enrolled during the 2016 enrollment period, producers on that farm will not be eligible for financial assistance from the ARC or PLC programs should crop prices or farm revenues fall below the historical price or revenue benchmarks established by the program.

The two programs were authorized by the 2014 Farm Bill and offer a safety net to agricultural producers when there is a substantial drop in prices or revenues for covered commodities. Covered commodities include barley, canola, large and small chickpeas, corn, crambe, flaxseed, grain sorghum, lentils, mustard seed, oats, peanuts, dry peas, rapeseed, long grain rice, medium grain rice (which includes short grain and sweet rice), safflower seed, sesame, soybeans, sunflower seed and wheat. Upland cotton is no longer a covered commodity. For more details regarding these programs, go to [www.fsa.usda.gov/arc-plc](http://www.fsa.usda.gov/arc-plc).

For more information, producers are encouraged to visit their local FSA office. To find a local FSA office, visit <http://offices.usda.gov>.

## Two new speakers confirmed for KARTA Conference

The Kansas Ag Research and Technology Association (KARTA) and K-State Research and Extension are excited to release the names of two speakers who will present during the 19th Annual Kansas Agricultural Technologies Conference. The event 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. The two speakers most recently added to the exciting line-up are Anita Dille and Randy Taylor.

Dille is a professor of Weed Ecology in the Department of Agronomy at Kansas State University, and will present on her research on why weeds occur where they do in the field, and how spatial information about weed populations and soil properties allows producers to utilize technologies for site specific weed management (SSWM).

Taylor is a Professor and Extension Agricultural Engineer for Oklahoma State University, and will present on the planting technology advancements of today and tomorrow, using his extensive experience testing GPS accuracy, yield monitor operation, and making use of

yield data. He has most recently been working with crop sensor systems.

The conference also includes a number of other speakers, vendor displays, the KARTA Annual Meeting, research presentations from grant recipients, and an interactive evening discussion that is always an attendee favorite. New this year will be an update from the KARTA members who are currently traveling in Germany to attend Agritechnica and other ag-related tours.

"We are moving to a new location this year to accommodate the consistent growth we've seen over the past few years," says Jeff Buehler, KARTA Board president. "The new site should give us ample space to learn, network, and brush up our skills with room to welcome new participants."

Anyone who signs up on or before January 15th can

receive a \$50 discount on their conference registration, 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 \$225 per person prior to January 15th, or \$275 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.kartaonline.org](http://www.kartaonline.org). Be sure to follow KARTA on Twitter and Facebook.

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Manhattan, KS  
785-539-7558

**Don't forget to call or go online at [grassandgrain.com](http://grassandgrain.com)**

### Grass & Grain Weather Report Dec. 8, 2015

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook																																																																																
<p><b>TUESDAY</b> Sunny High: 54 Low: 33</p> <p><b>WEDNESDAY</b> Sunny High: 55 Low: 36</p> <p><b>THURSDAY</b> Sunny High: 58 Low: 34</p> <p><b>FRIDAY</b> Mostly Sunny High: 54 Low: 35</p> <p><b>SATURDAY</b> Sunny High: 54 Low: 32</p> <p><b>SUNDAY</b> Partly Cloudy High: 52 Low: 31</p> <p><b>MONDAY</b> Mostly Cloudy High: 49 Low: 28</p>	<p>Today we will see sunny skies with a high temperature of 54°, humidity of 50%. The record high temperature for today is 75° set in 1917. Expect mostly clear skies tonight with an overnight low of 33°. The record low for tonight is 3° set in 1985. Wednesday, skies will be sunny with a high temperature of 55°.</p> <p style="text-align: center;"><b>Last Week's Almanac</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Hi/Lo</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr> <td>11/26</td> <td>65/30</td> <td>49/26</td> <td>1.60"</td> </tr> <tr> <td>11/27</td> <td>30/26</td> <td>49/26</td> <td>0.11"</td> </tr> <tr> <td>11/28</td> <td>32/27</td> <td>49/25</td> <td>0.60"</td> </tr> <tr> <td>11/29</td> <td>33/32</td> <td>48/25</td> <td>0.44"</td> </tr> <tr> <td>11/30</td> <td>37/30</td> <td>48/25</td> <td>0.72"</td> </tr> <tr> <td>12/1</td> <td>44/25</td> <td>47/24</td> <td>0.00"</td> </tr> <tr> <td>12/2</td> <td>50/26</td> <td>47/24</td> <td>0.00"</td> </tr> </tbody> </table> <p>Rainfall last week: 3.47" Normal rainfall: 0.38" Departure from normal: +3.09" Average temp last week: 34.8° Average normal last week: 36.6° Departure from normal: -1.8°</p> <p style="text-align: center;"><b>This Week's Sun &amp; Moon Chart</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Day</th> <th>Sunrise</th> <th>Sunset</th> <th>Moonrise</th> <th>Moonset</th> <th>Phase</th> </tr> </thead> <tbody> <tr> <td>Tuesday</td> <td>7:33 a.m.</td> <td>5:03 p.m.</td> <td>4:40 a.m.</td> <td>3:36 p.m.</td> <td>Fall 12/11</td> </tr> <tr> <td>Wednesday</td> <td>7:34 a.m.</td> <td>5:03 p.m.</td> <td>5:37 a.m.</td> <td>4:14 p.m.</td> <td></td> </tr> <tr> <td>Thursday</td> <td>7:35 a.m.</td> <td>5:03 p.m.</td> <td>6:34 a.m.</td> <td>4:57 p.m.</td> <td></td> </tr> <tr> <td>Friday</td> <td>7:36 a.m.</td> <td>5:03 p.m.</td> <td>7:30 a.m.</td> <td>5:46 p.m.</td> <td></td> </tr> <tr> <td>Saturday</td> <td>7:36 a.m.</td> <td>5:03 p.m.</td> <td>8:23 a.m.</td> <td>6:39 p.m.</td> <td>Last 12/18</td> </tr> <tr> <td>Sunday</td> <td>7:37 a.m.</td> <td>5:04 p.m.</td> <td>9:13 a.m.</td> <td>7:37 p.m.</td> <td></td> </tr> <tr> <td>Monday</td> <td>7:38 a.m.</td> <td>5:04 p.m.</td> <td>10:00 a.m.</td> <td>8:39 p.m.</td> <td></td> </tr> </tbody> </table>	Date	Hi/Lo	Normals	Precip	11/26	65/30	49/26	1.60"	11/27	30/26	49/26	0.11"	11/28	32/27	49/25	0.60"	11/29	33/32	48/25	0.44"	11/30	37/30	48/25	0.72"	12/1	44/25	47/24	0.00"	12/2	50/26	47/24	0.00"	Day	Sunrise	Sunset	Moonrise	Moonset	Phase	Tuesday	7:33 a.m.	5:03 p.m.	4:40 a.m.	3:36 p.m.	Fall 12/11	Wednesday	7:34 a.m.	5:03 p.m.	5:37 a.m.	4:14 p.m.		Thursday	7:35 a.m.	5:03 p.m.	6:34 a.m.	4:57 p.m.		Friday	7:36 a.m.	5:03 p.m.	7:30 a.m.	5:46 p.m.		Saturday	7:36 a.m.	5:03 p.m.	8:23 a.m.	6:39 p.m.	Last 12/18	Sunday	7:37 a.m.	5:04 p.m.	9:13 a.m.	7:37 p.m.		Monday	7:38 a.m.	5:04 p.m.	10:00 a.m.	8:39 p.m.		<p><b>Washington</b> 53/32</p> <p><b>Blue Rapids</b> 53/33</p> <p><b>Seneca</b> 53/32</p> <p><b>Clay Center</b> 54/33</p> <p><b>Manhattan</b> 54/33</p> <p><b>Wamego</b> 54/34</p> <p><b>Ogden</b> 54/33</p> <p><b>Junction City</b> 54/34</p> <p><b>Abilene</b> 54/33</p> <p><b>Council Grove</b> 55/34</p>
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<p><b>Weather History</b></p> <p>Dec. 8, 1988 - Santa Ana winds buffeted Southern California, with gusts to 92 mph reported at Laguna Peak. The high winds unroofed buildings and downed trees and power lines, igniting five major fires and numerous smaller ones.</p>																																																																																		
<p><b>Growing Degree Days</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Degree Days</th> <th>Date</th> <th>Degree Days</th> </tr> </thead> <tbody> <tr> <td>11/26</td> <td>0</td> <td>11/30</td> <td>0</td> </tr> <tr> <td>11/27</td> <td>0</td> <td>12/1</td> <td>0</td> </tr> <tr> <td>11/28</td> <td>0</td> <td>12/2</td> <td>0</td> </tr> <tr> <td>11/29</td> <td>0</td> <td></td> <td></td> </tr> </tbody> </table>			Date	Degree Days	Date	Degree Days	11/26	0	11/30	0	11/27	0	12/1	0	11/28	0	12/2	0	11/29	0																																																														
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**THE DECEMBER 12 (LON COLTON ESTATE, near Miltonvale) AUCTION THAT WAS PRINTED in the 1st section of this paper on page 11 HAS BEEN CANCELLED!!**

THUMMEL REAL ESTATE & AUCTION LLC • 785-738-0067

# Sell At St. Marys

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

**We sold 754 cattle December 1, with several lots postponing selling until next week, because of muddy conditions. Steer and heifer calves sold at steady prices. Feeder steers and heifers were steady. Cows and bulls were also steady.**

<p><b>STEER &amp; BULL CALVES</b></p> <p>1 blk str 405 @ 228.00 3 blk str 463 @ 228.00 3 blk str 375 @ 218.00 4 blk str 523 @ 206.00 2 x-bred str 428 @ 205.00 1 bwf bull 450 @ 205.00 2 blk str 328 @ 200.00 5 blk/bwf str 546 @ 200.00 2 blk bulls 470 @ 200.00 1 blk str 490 @ 195.00 5 x-bred str 539 @ 192.00 13 x-bred str 532 @ 191.00 4 blk str 534 @ 190.00 2 x-bred str 440 @ 175.00</p> <p><b>STOCKER &amp; FEEDER STEERS</b></p> <p>17 blk/red str 557 @ 193.00 13 x-bred str 553 @ 180.00</p>	<p>11 blk str 649 @ 173.00 22 blk/bwf str 653 @ 173.00 21 blk str 679 @ 173.00 24 blk/bwf str 723 @ 168.50 61 blk/bwf str 868 @ 167.00 120 blk/bwf str 904 @ 162.00 950 @ 161.10 60 mix str 945 @ 160.00 2 jers str 793 @ 85.00</p> <p><b>HEIFER CALVES</b></p> <p>2 blk hfr 280 @ 194.00 1 blk hfr 330 @ 180.00 1 blk hfr 465 @ 178.00 2 blk hfr 460 @ 175.50 4 blk hfr 491 @ 174.00 8 bk/bwf hfr 526 @ 170.00 5 blk hfr 537 @ 169.50</p>	<p>4 brang hfr 525 @ 165.00 3 brang hfr 365 @ 160.00</p> <p><b>STOCKER &amp; FEEDER HEIFERS</b></p> <p>140 blk/bwf hfr 715 @ 165.75 1 blk hfr 590 @ 165.00 19 blk/sim hfr 661 @ 163.00 12 blk/char hfr 630 @ 162.50</p> <p><b>COWS &amp; HEIFERETTES</b></p> <p>1 blk bred cow @ 1175.00 1 blk hfr 1280 @ 121.00 1 blk hfr 970 @ 117.00 1 blk hfr 1155 @ 110.00 1 blk cow 1505 @ 100.00 1 blk hfr 1410 @ 92.50 1 bwf cow 1290 @ 90.00 1 bwf cow 1160 @ 76.00 1 blk cow 1520 @ 74.50 1 blk cow 1210 @ 74.00</p>	<p>1 blk cow 1430 @ 73.00 1 blk cow 1420 @ 72.50 1 blk cow 1385 @ 72.00 1 blk cow 1690 @ 71.75 1 blk cow 1305 @ 71.50 1 blk cow 1530 @ 70.50 1 bwf cow 1450 @ 70.00 1 jers cow 1130 @ 69.50 1 blk cow 1595 @ 68.50 1 blk cow 1230 @ 67.50 1 blk cow 1505 @ 67.00 2 jers cows 1045 @ 65.00 1 bwf cow 1340 @ 64.50 1 blk cow 1200 @ 62.50 1 jers cow 1015 @ 60.00</p> <p><b>BULLS</b></p> <p>1 wf bull 1990 @ 96.50 1 blk bull 2285 @ 95.00</p>
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**WATCH OUR AUCTIONS LIVE ON DVAuctions.com**

**CONSIGNMENTS FOR DECEMBER 8:**

- 140 blk str & hfrs, 500-600 lbs. weaned, vacc.
- 100 Angus steers & heifers, 550-700 lbs., weaned
- 33 Angus steers & heifers, weaned, vaccinated
- 50 blk red steers & heifers, 450-550 lbs., vacc.
- 85 blk steers, 600-625 lbs., weaned 70 days, vaccinated, PI neg tested.
- 35 blk steers & heifers, 450-600 lbs., vaccinated
- 35 blk steers & heifers, 500-600 lbs., weaned, vacc.
- 57 blk steers & heifers, 650-800 lbs., weaned, vacc.
- 120 black heifers, 775-800 lbs.
- 60 black heifers, 800-825 lbs.
- 137 black steers, 850-900 lbs., homeraised
- 82 black steers, 850-925 lbs.
- 61 black crossbred steers, 900-925 lbs.
- 58 black steers, 900-925 lbs.

**PLUS MORE BY SALE TIME!**

Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to [www.grassandgrain.com](http://www.grassandgrain.com) & logging onto the online subscription

FOR INFORMATION OR ESTIMATES:

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DENNIS REZAC . . . . ST. MARYS, 785-437-6349	LYNN REZAC . . . . ST. MARYS, 785-456-4943
DENNIS' CELL PHONE . . . . . 785-456-4187	REX ARB . . . . . MELVERN, 785-224-6765
KENNETH REZAC . . . ST. MARYS 785-458-9071	

**Toll Free Number.....1-800-531-1676**

Website: [www.rezACLIVESTOCK.com](http://www.rezACLIVESTOCK.com)  
AUCTIONEERS: DENNIS REZAC & REX ARB

**Rezac** Livestock Commission Company, Inc.  
St. Marys, Ks.