

# Tough Enough to Wear Pink Rodeo supports Kansas State University cancer research

Are you tough enough to wear pink?

The Kaw Valley Rodeo Association's 11th annual Tough Enough to Wear Pink Rodeo will be at 8 p.m. Friday, July 28, at Wells Arena in CiCo Park, Manhattan. The event honors cancer survivors and raises awareness and funds for Kansas State University's Johnson Cancer

Research Center.

The Tough Enough to Wear Pink Rodeo is part of the three-day Kaw Valley PRCA — or Professional Rodeo Cowboys Association — Rodeo, July 27-29, and is in conjunction with the Riley County Fair, July 27-31. A portion of Friday night's rodeo ticket sales will go to the Johnson Cancer Research

Center.

"We want rodeo fans to pack the arena with pink on July 28," said Gene Klingler, a local physician and the chairman of the Kaw Valley Rodeo Association's Pink Committee. "This event serves as a reminder that cowboys and cowgirls are tough, but cancer survivors are even tougher."

Pink T-shirts, hats, bandanas and more will be available for purchase at the rodeo and throughout July, with all proceeds supporting the cancer research center.

"The pink rodeo is a huge undertaking and exciting event," said S. Keith Chapes, interim director of the Johnson Cancer Research Center. "We are grateful to the Kaw

Valley Rodeo Association, sponsors and volunteers for making it possible, and to the spectators who support it."

Sponsors are still being sought for the Tough Enough to Wear Pink Rodeo. Sponsors are listed on the cancer research center's Tough Enough to Wear Pink event webpage and recognized in a variety of other ways. Peo-

ple interested in sponsoring should contact Klingler at 785-532-9203.

The Johnson Cancer Research Center supports and advances cancer research and education at Kansas State University. Its programs are made possible by private donations. Information is available by calling 785-532-6705 or visiting cancer.k-state.edu.

## Wh(e)at's going on? Declining U.S. wheat acres at a 100-year low create challenges and opportunities

U.S. wheat acres have declined almost yearly over the last 35 years, and in the current season, they have hit the lowest point in more than 100 years. In a new report from the RaboResearch Food & Agribusiness group, Grains and Oilseeds Analyst, Stephen Nicholson takes a look at the declining wheat acreage and the potential effects over the next few growing seasons.

The report, "Wh(e)at's Going On?," finds the decreased number of acres being planted may begin causing a domino effect down the supply chain. Fewer acres leads to less supply, which leads to increased imports that raise the price of the raw goods. The result is, in the end, a more expensive consumer good.

"The largest actual percentage decline in U.S. wheat acres has been in winter wheat acres, primarily hard red winter," explains RaboResearch Food & Agribusiness, Grains and Oilseeds analyst Stephen Nicholson. "This is of particular concern to the baking industry, as most bread flours are milled from hard red winter wheat."

The contraction of the wheat acres intensifies the impact of unexpected yield shortfall. Due to the lower number of HRW acres and a higher probability of production and/or quality issues, both hard red wheat prices and spreads between U.S. wheat classes are likely to be wider and more volatile in the future.

## National Day of the Cowboy is back at the Flint Hills Discovery Center

Dust off your boots, grab your hat and gather the family; it's time to celebrate the American Cowboy at the Flint Hills Discovery Center! Saturday, July 22 from 9am-3pm, the Flint Hills Discovery Center will be transformed into Flint Valley, an old frontier town filled with cowboys and cowgirls making their way through the Wild West.

"The Flint Hills Discovery Center is poised in a fantastic position to create hands-on, interactive activities that allow the community to experience a bit of the ranching culture in fun and tangible ways," said Brianna Schmitz, FHDC Guest Services Manager.

Children and adults alike can enjoy activities like pony express races, wagon rides and gold panning. After a bull ride, guests can stop inside a pop up saloon and sip on root beer while listening to live music, and sharp shooters can try their hand with sling shots.

"National Day of the Cowboy is a day set aside to celebrate the contribution of the cowboy and cowgirl to America's culture and heritage," said FHDC Director Susan Adams. "The work that these ranchers have done for years, and still do today, is one of the biggest reasons we've been able to preserve the last stand of the tallgrass prairie."

So saddle up and head on down for an old-fashioned good time at the FHDC's National Day of the Cowboy. Tickets can be purchased July 22 at the Flint Hills Discovery for the following prices: adults: \$9; youth (2-17): \$4; military, college students, educators & seniors (65+): \$7; under 2: free; FHDC members: free. To learn more, visit: [flinthillsdiscovery.org/cowboy](http://flinthillsdiscovery.org/cowboy).

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**A nice run of quality cattle found very good interest at strong prices for our sale Friday, July 7 from a good attendance of local and out of state buyers. Cull cows sold \$2-\$3 lower and bulls were selling steady on the kind offered.**

**STEER CALVES — 375-550 LBS.**

Bennington	9 blk	430@193.00
Leavenworth	6 blk	390@188.00
Emporia	10 blk	448@188.00
Bennington	11 blk	496@180.00
Allen	4 blk	477@178.00
MLouth	4 blk	482@176.00
McLouth	4 blk	531@174.50
Leavenworth	4 blk	528@165.50
Belvue	3 blk	545@155.50

**STEERS — 575-975 LBS.**

Onaga	20 blk	651@173.50
Emporia	15 blk	623@165.00
Onaga	14 blk	673@163.50
Onaga	26 blk	752@163.25
Baldwin City	7 blk	580@163.00
Onaga	9 blk	712@162.75
Belvue	10 blk	674@162.50
Emporia	30 blk	726@161.50
Allen	4 blk	636@161.00
Onaga	3 blk	610@160.00
Leavenworth	3 blk	651@159.00
Belvue	14 blk	751@158.50
Wheaton	10 blk	646@157.00
Baldwin City	5 blk	704@154.50
Clay Center	28 Cross	741@152.50
Clay Center	16 cross	820@148.00
White City	56 blk-Char	955@142.00
Emporia	6 blk	873@139.25

**HEIFER CALVES — 400-550 LBS.**

Emporia	9 blk	457@166.00
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Easton	29 Cross	504@160.00
Easton	6 Cross	422@160.00
Onaga	5 blk	530@155.50
Allen	3 blk	540@146.00

**HEIFERS — 575-850 LBS.**

Onaga	12 blk	642@153.50
Easton	17 cross	593@151.00
Belvue	4 blk	630@150.50
Baldwin City	5 blk	596@150.50
Emporia	15 blk	612@148.50
Allen	7 blk	623@148.00
Leavenworth	7 blk	627@148.00
Emporia	22 blk	686@147.00
McLouth	4 blk	616@146.50
Wheaton	5 blk	596@144.50
Belvue	3 blk	735@143.00
Onaga	3 blk	750@142.00
Easton	3 Cross	665@136.00
Emporia	4 blk	850@131.50

**BULLS — 1,050-1,975 LBS.**

Wamego	1 Char	1050@102.00
Delia	1 Herf	1930@99.00
Baileyville	1 blk	1760@98.75
Rossville	1 Herf	1765@97.00
Westmoreland	1 blk	1965@96.50
Manhattan	1 blk	1825@91.00
Junction City	1 blk	1605@91.00
Clay Center	1 blk	1400@90.00
Beattie	1 blk	1335@87.00

**COWS & HEIFERETTES — 925-1,725 LBS.**

Easton	1 blk	935@126.50
Junction City	1 blk	945@113.50
Clay Center	1 bwf	1050@101.00
Baldwin City	1 blk	970@98.00
Easton	1 blk	1000@89.00
Bennington	1 blk	1040@85.00
Westmoreland	1 blk	1450@78.50

Westmoreland	1 blk	1710@78.00
Easton	1 blk	1505@77.00
Leavenworth	1 blk	1500@76.00
St. George	1 blk	1680@75.50
Belvue	1 blk	1140@75.00
Wamego	1 Char	1060@75.00
Frankfort	1 blk	1550@74.50
Westmoreland	1 blk	1355@74.00
Westmoreland	1 blk	1220@73.50
Olsburg	1 blk	1115@73.50
Junction City	1 blk	1250@73.00
Delia	1 bwf	1270@73.00
Meriden	1 blk	1380@73.00
Meriden	1 blk	1085@73.00
Minneapolis	1 blk	1335@73.00
Tonganoxie	1 Cross	1295@72.50
Leavenworth	1 Cross	1165@72.00
Leavenworth	1 blk	1260@72.00
Frankfort	1 blk	1660@72.00
Paxico	1 bwf	1120@72.00
Minneapolis	1 bwf	1440@72.00
Westmoreland	1 bwf	1405@71.50

Frankfort	1 blk	1170@71.50
Westmoreland	1 blk	1030@71.00
St. George	1 bwf	925@71.00
Junction City	1 blk	1230@71.00
Olsburg	1 blk	1440@71.00
Minneapolis	1 blk	1430@71.00
St. George	1 bwf	1165@70.50
Frankfort	1 blk	1560@70.50
Minneapolis	1 rd Ang	1210@70.50
Rossville	1 Hereford	1205@68.50
Manhattan	1 blk	1360@68.00
St. George	1 blk	1365@68.00
Meriden	1 blk	890@67.50
Onaga	1 bwf	1240@67.00
Westmoreland	1 blk	1345@66.50
Olsburg	1 Cross	1520@66.50
Paxico	1 blk	1095@65.00
Frankfort	1 blk	1340@64.00
Westmoreland	1 bwf	1440@61.50
Beattie	1 blk	1320@60.00

**EARLY CONSIGNMENTS FOR JULY 14th**  
57 mostly blk & bwf hfrs, long time weaned, shots, 675-700 lbs  
30 blk hfrs, 2 rds shots, off cows, 675-725 lbs

**EARLY CONSIGNMENTS FOR JULY 28th**  
Fall cow dispersal. 23 blk & red Angus cows. 14 are 3 & 4 years old, balance are 5-8 years old. Bred to red Angus or Homozygous blk Gelv. bulls for Aug & Sept. calves.

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# Unconventional grazing strategies can stretch summer pasture

**Katelyn Brockus,  
DEA, River Valley  
Extension District**

It has been safe to say that we have been blessed with another great year with rainfall. We have to just pray that the good Lord doesn't shut off the supply this summer. Rainfall has been spotty at times, but overall this has been another year we haven't been forced to find additional forage resources. However, some producers might have taken the opportunity to expand their herds and fell a little short

on forage availability. There can be many different times when ranchers are looking for opportunities to stretch summer pasture. If you fall into this category, this article might stimulate some ideas for unconventional grazing and stretching that summer pasture just a little bit longer.

Touring around the area, some pastures are looking pretty short in some areas. While we had decent amount of rainfall, there is still a possibility for overgrazing or leaving the cattle

on just a little longer than planned. One way to estimate forage availability is to imagine pastures receiving little rain for the rest of the summer. The question that can then be asked is, "Will I have enough forage available not only for this year but also a sufficient base amount for the years to come?" If the answer is no, then cattle are either going to struggle or producers are going to be forced to feed hay until corn stalks or winter pastures are ready for grazing. The decisions

that are made this year will not only affect this year's forage but the years to come as well.

With that said, there are management strategies that can be implemented now to stretch current pastures and lower that risk of running out later this year. One option is to remove the forage by haying it in order to ensure less of a risk of overgrazing and result in less forage waste that comes along with grazing. The second option that might work even better could be wind-

row grazing. In order to do this effectively, cut and windrow the amount of pasture the cattle might need for roughly a week's worth of forage. The next step is to build an electric fence that gives them just a day or two's worth of forage. After they finish that piece, just pick up the electric fence and move it down the windrow. As they near the end of that windrow, then lay down another patch and repeat the strip grazing.

Producers have found that windrow grazing can

sometimes double the number of grazing days compared to regular rotational grazing patterns. So, if your operation is seeking out ways to stretch out that summer pasture, this might be a great option. Please contact Katelyn Brockus of the Washington office with any questions, 785-325-2121 or kbrockus@ksu.edu.



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### EARLY CONSIGNMENTS FOR THURSDAY, JULY 13, 2017:

- 35 steers & heifers, 600-750 lbs.
- 33 steers & heifers, long weaned, mostly Harms bulls, 2 rnd vacc., off brome, gtd open, home raised, 650-850 lbs.
- 50 steers & heifers, open, 700-900 lbs.
- 80 steers & heifers, blk, gtd open, 2 rnds vacc., 500-800 lbs.
- 50 blk steers & heifers, 550-650 lbs., home raised, long range, 2rd vacc. 101, 900-950 lbs., off brome
- 65 steers, 950 lbs., off brome, all vacc.
- 70 steers & heifers, blk/char x, 2nd vacc., open, 600-800 lbs.
- 45 steers & heifers, off grass, 650-800 lbs.
- 60 blk steers, long weaned, off brome, 600-700 lbs.
- 65 heifers, no sort, 800-825 lbs.
- 40 blk steers & heifers, long weaned, off grass, 500-600 lbs.
- 65 steers & heifers, home raised, 2 rnds shots, vacc., no implants, gtd open, 700-850 lbs.
- 25 steers & heifers, most Herefords, vacc., knife cut, gtd open, 650-700 lbs.
- 2 steers, blk, off grass, home raised, 800-850 lbs.
- 80 blk heifers, off brome, 800-825 lbs.
- 30 blk steers & heifers, 600-650 lbs.

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- 55 blk steers & heifers, long weaned, open, 2nd rnd vacc., 700-800 lbs.
- 70 blk steers & heifers, 2nd rnd vacc., 550-700 lbs.
- 75 steers & heifers, long weaned, 2 rnd vacc., 600-800 lbs.
- 217 heifers, mostly black, off brome 750-800 lbs.
- 250 mostly black steers & heifers, 600-700 lbs.
- 40 steers, mostly black, 500-700 lbs.
- 325 steers, 80% black, 20% Char, off brome, 875-950 lbs.
- 32 black steers & heifers, open, 1 rnd vacc., 600-700 lbs.

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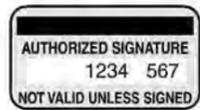
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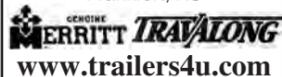
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- M1240 New Series w/D1XL disc head

**USED EQUIPMENT**

- 605M net ramp floats
- 665M twine ramp

**FEED MIXERS**

- '90 IH w/Farmaid FA430 mixer
- FA-550 Feed wagon

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**Balers:** 605N, 504N, 665 Ranchers

**Rakes:** VR1428, 2- VR1224

**USED**

- 4- 605SN, 2- 605N, 1- 665 Rancher, 1- 504N
- Rakes: 2- R2800, 2- 2300

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**TRACTORS & SKID LDERS**

2015 Farmall 75C, cab, MFD, ldr, 75 hrs.

1981 Case 2390 7300 hrs, 4 remotes

2000 Bobcat 763 2800 hrs

2015 JCB 280 skid loader, 105 hrs.

2015 JD 323 E track skid loader, 140 hrs.

Cat 8' roll out bucket, off 928G

IH 1566 7500 hrs, 18.4x38 duals

2013 JCB260 skid loader

2012 NH T6.165 MFD loader tractor

2008 JCB 536-60 Agra telehandler 2,800 hrs

2013 JD 323D track skid loader, 560 hrs.

**HAY EQUIPMENT**

2005 Hesston 956A, 8000 bales

2003 Hesston 956A, 6700 bales

Vermeer M7040 7' rotary disk mower

New H&S 12 wheel carted rake

New MacDon R116 Moco.

New H&S 1660 16 wheel Hi Cap rakes

1997 Hesston 565A round baler

**COMBINES**

2004 Case IH 2366

**AUGER & GRAIN CARTS**

2008 Harvest International

**MACHINERY**

**NEW EQUIPMENT**

- 504 Signature R baler
- Winkel Calving Pen
- Portable Corral
- 6650 Baler
- R2300 rake
- VR1224
- BPX 9000 Bale Processor
- MC 3700
- Perfect Tree Saw

**USED EQUIPMENT**

- 605N
- 555 XL
- 605G baler
- 605M baler
- M850 Mower Demo
- 3 pt tree shear

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**PLANTER SALVAGE**  
IH 800-900-950-955 Cyclo  
JD 494-1280, 7000-7300,  
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ALLIS N7-6, L2, L, M, G, F2,  
F, CII, AII; JD 8820, 7720,  
7700, 6600, 4400, 3300, 105,  
95, 55; MF 860, 760, 750, 510,  
410; IH 1680, 1480, 1460,  
915, 815, 715, 503, 403; NH  
TR70-85, 1400, 995, 985, 975.  
**SALVAGE TRACTORS**  
ALLIS 7000-7080, 220, 210,  
190XT; D17-19; JD 84-8630,  
7520, 6030, 5020, 4630, 4430,  
4020, 3020, 720, 730; CASE  
1470, 1370, 1270, 1200, 1070,  
930, 400; IH 1568, 1466,  
1256, 1066, 1026, 806; FORD  
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Gehl 1870 rd. baler  
2014 Gleaner S77 combine  
2012 Gleaner S-77  
1998 Gleaner R72  
Gleaner 8200 25' flex w/air reel  
Gleaner 8200 30' w/air reel  
Gleaner 800 30' flexhead  
Gleaner 400 30' rigid  
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605N Baler  
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'13 Case IH Magnum 315,  
1360 hrs  
'13 Bobcat CT 450, MFD, cab,  
hydro w/ ldr, 285 hrs  
'01 Case IH MX220 MFD,  
6,060 hrs  
'98 Case IH 8910 MFD, 7630  
hrs  
IH 584 diesel w/ ldr, 3525 hrs  
'41 IH FarmAll A w/Woods bel-  
ly mower  
Ford 9N

**MISCELLANEOUS**  
'14 Case IH 5130 Combine,  
4wd 760 engine hrs, 510  
sep. hrs  
'06 Bestway FieldPro III 1000  
'13 CASE IH DC132 disk  
MOCO  
'10 CASE IH 1250 planter 12/  
30 Bulk fill

'09 Case IH 330 turbo 34'  
'07 Case IH RMX340 25' disc  
IH 496 Disc, 22'  
'05 JD 2210 FC 35' float hitch  
IH 4500 F.C. 18.5'  
CIH 6500 conser til chisel 14'  
JD 235 disk, 23'  
IH 55 chisel 7' trailing  
IH 9' chisel, 3pt  
'96 JD 9500, 4WD, 3275 eng.,  
2205 sep.  
'91 JD 653A row head  
'82 JD 6620, 3200 hrs, 4WD  
'94 JD 915 flex  
'91 Case IH 1680 combine  
4WD

'06 Case 1020 30'  
'05 Case 1020 30'  
'87 Case IH 1020 15'  
'88 Case IH 1020 16.5'  
'89 Case IH 1020 25'  
'94 Case IH 1020 20'  
'94 Case IH 1063 cornhead  
'89 Case IH 1083 cornhead  
IH 810 platform 20' w/trail  
IH 863 cornhead  
'95 Case IH 8465, A. baler  
'88 Case IH 8420 rd. baler, low  
bale count  
IH 430 sq. baler twine tie  
IH 2001 loader  
60" rotary mower 2 pt. hitch  
Degelman 105TD front blade

**NEW EQUIPMENT**  
Case IH WD2504 SP Windro-  
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Bush Hog SQ72 squealer rotary mower, single spindle, 72". Stk#5714.....\$900  
Case 3900 20' disc, may be 21'. Front 19"/rear 20.5". Stk#55.36.....\$7,500  
Krause 5639-42 field cultivator, excellent cond., low use, floating hitch. Stk#2400... \$39,900  
2004 McCormick MTX120, 1892 hrs, 3 remotes, radial rear tires 75%, Koyker 545 ldr w/bucket & bale spike. stk#5533.\$37,900  
Terex ASV PT110 Forestry, stk#1158 .....\$49,900  
Fecon BH074XT mulcher. stk#1835 .....\$10,900  
Krause 5639-39 field cultivator, stk#2400 .....Just In  
2015 MF 3710 spreader 175 bushel, lightly used. Stk#3480 consigned .....\$9,500  
New Idea 403 side delivery hay rake, stk#5498 consigned.\$900  
Hesston 560 round baler 5x6 w/ gathering wheel & Hyd. kicker. stk#4613 consigned....\$2,900  
2011 Polaris Ranger 800EFI 500 eng. hrs, 3500 mi., pwr steering, stk#5497 consigned .....\$6,900  
Chain drag harrow approx. 6' wide. Stk#5500 consigned.\$450  
Oliver Super 77 wide front 3pt hitch, runs good, good clean tractor. stk#2882 consigned .. \$3,500  
2009 ASV PT100 Forestry, 2805 hrs, very clean well maintained machine. We sold new and to 2nd owner. 800 hrs on new tracks. stk#1158 consigned.....\$39,900  
1982 Versatile S55, 6,200 hrs, row crop axles, 3pt hitch & PTO, stk#5247 .....\$22,500  
Sunflower 4311 Disc Ripper, 7 shanks, 14', stk#4096 consigned .....\$5,900  
1970 Massey Ferguson 175 diesel, very clean, runs good, 2,332 hrs, 63 PTO HP, new left rear tire. stk#3818 consigned .....\$8,500  
White 2-62 FL forklift, High lit, extra good condition, Reverse-O-Torc 6 Cyl. diesel, few hours on overhaul, stk#2250..\$6,500  
3 pt utility carrier, home fabricated, well made. Stk#4468,

consigned, .....\$500  
New Idea 400 side delivery hay rake, New bearings, kept lubed, many new tines, stk#4479, consigned... \$1,800  
E-Z Trail GC37 header transport, red, 37", lights, brakes, straps. stk#2303 New in stock  
Challenger 660 (2007), 2,840 hrs/1880 sep hrs. Field Star, 18.4 x 42 duals, lateral tilt, Var speed feeder house, RWA, chaff spreader, new bearings & sprockets in feeder house, new feeder house chain & unloading augers 2 yrs ago. stk #2236. ....\$74,900  
(3) Bale carrier 3 pt hitch fork-lift style, stk#4465, consigned Worksaver, stk#4466, consigned Blue, stk#4467, consigned Red.....\$300/each  
Hesston 845 round baler twine tie controller w/hyd. kicker, nice & clean, one owner, shedded, starting flaps recently replaced, stk#4406...\$5,100  
Sunflower 6333-31 land finisher, excellent condition, lightly used, w/6 row high residue spike drage. Stk#1865.....\$39,900  
2013 MF 2170XD, 15,700 bales, C1000 monitor, moisture sensor, roller chute, bale weight kit, stk#1552, 0% For 36 Month Financing.....\$69,900  
Central States DBS2000 Bale Spear, one owner, lightly used on Hobby Ranch, excellent cond., Stk# Consigned....\$500  
Michelin Agribib Radial tire set. Pair: 380/90 (14.9) R46 R1W on rims for Cast Centers (no Centers) Pair: 380/85R30 R1W on Waffle Wheels off of 2013 MF 7615 w/765 hrs.....\$3,900  
2013 Woods PRD7200 finish mower, barely used, MF red brand, 72" wide premium. Stk#1022 consigned ....\$2,495

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'15 JD 1775 ExactEmerge 16R30.....\$167,500  
'15 Kinze 4900 16R30..\$84,500  
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24 flex heads  
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2000 JD 930R Rigid Head.....\$9,000  
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JD 893 cornhead hyd. deck CALL  
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'13 JD 2210 28' .....\$29,500  
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'06 SF 1444 40' .....\$29,500  
'11 CIH 370 30' .....\$34,500  
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Bush hog ripper.....\$1,250  
(2) 1999 JD 1560 NT drill 10"x15' .....CALL  
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2014 Case IH Patriot 3230 100', 758 hrs.....\$163,500 (M)  
2006 Case IH SPX3185 80', 2277 hrs.....\$77,500 (S)  
2014 APACHE AS1025 90', 600 hrs.....\$168,500 (H)  
**TRACTORS:**  
2014 Case IH Magnum 380 CVT, 1136 hrs..\$194,500 (M)  
2014 Case IH Magnum 340, 479 hrs.....\$186,500 (H)  
2011 Case IH Magnum 260, 1350 hrs.....\$141,500 (W)  
2006 Case IH MX245, 3628 hrs .....\$95,000 (W)  
2013 Case IH Magnum 210 CVT, 5792 hrs....\$95,000 (W)  
2013 Case IH Maxxum125 w/ ldr, 1242 hrs .....\$79,500 (M)  
2008 Case IH Puma 165 2wd, 1077 hrs.....\$58,000 (W)  
2005 Case IH STX325 4wd .....\$91,000 (W)  
2012 Case IH Steiger 350 4wd, 1332 hrs.....\$159,500 (M)  
1997 Ford NH 9282 4wd w/ blade, 5297 hrs..\$49,500 (C)  
1993 Deutz-Allis 9130 MFD, 6500 hrs.....\$28,000 (W)  
1974 JD 4630 2wd, 4552 hrs....\$16,400 (C)  
1980 JD 4840 2wd, 8560 hrs....\$12,500 (W)  
JD 830 2wd, 10411 hrs ..\$5,650 (S)  
**HAY EQUIP:**  
2015 Case IH WD1504 w/head, 1 hrs.....\$106,500 (S)  
2014 Case IH WD1203 w/16', 483 hrs.....\$87,500 (M)  
2012 Case IH WD1203 w/16', 532 hrs.....\$81,500 (C)  
1995 MacDon 9000T w/16', 1813 hrs.....\$24,500 (W)  
2014 Case IH DC133 13' .....\$27,500 (C)  
2013 NH H7450 14' ..\$22,000 (W)  
2004 Case IH RBX562 5x6 .....\$9,500 (M)  
1999 Case IH RS561 5x6.....\$6,500 (C)  
2014 NH 560 5x6 ..\$29,500 (S)  
2001 Vermeer 605XL 5x6.....\$8,000 (H)  
2011 Vermeer 605SM 5x6.....\$29,500 (W)  
H&S Hy-Cap 14 wheel rake .....\$7,500 (W)

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**CASE III**  
AGRICULTURE

# Kansas Hay Market Report

Hay market activity slow to moderate; demand moderate for grinding alfalfa, light for all other classes of hay, prices steady to weak. Per NASS Kansas alfalfa hay condition rated 0 percent very poor, 2 poor, 23 fair, 68 good, and 7 excellent. Second cutting was 52 percent complete, ahead of 34 last year and 37 average. The abnormally dry conditions of the southeastern region were eliminated and only remain in Meade and Clark Counties in the southwest. The abnormally dry (D0) category stands at 1.10 pct. North and South Dakota continue to struggle with extreme drought. The North Dakota Department of Agriculture has set up a Drought Hotline for ranchers affected by the drought. Kansas producers who have hay to sell or with pasture or hay land to rent can call the hotline. Once the producer provides their name, contact information and what they can provide, they will then be entered into the Drought Hotline database to be matched up with ranchers in need. The hotline phone number is 701-425-8454. If you have hay for sale, and/or need hay here in Kansas, use the services of the Internet Hay Exchange: [www.hayexchange.com/ks.php](http://www.hayexchange.com/ks.php).

### Southwest Kansas

Dairy alfalfa, grinding alfalfa, grass hay, steady, ground/delivered, 5.00 lower, movement moderate for grinding alfalfa and ground/delivered, slow for all other classes of hay. Alfalfa: horse, small squares 240.00-250.00. Dairy, .75-.85/point RFV, Supreme 140.00-160.00, Premium 130.00-150.00, Good 115.00-145.00. Stock or Dry Cow alfalfa, 75.00-95.00. Fair/Good grinding alfalfa, 95.00-105.00. Ground and delivered locally to feedlots and dairies, 115.00-125.00. The week of 6/18-6/24, 11,736T of grinding alfalfa and 575T of dairy alfalfa were delivered. Grass hay: bluestem, large rounds 65.00-75.00. Brome: large rounds 55.00-65.00. Sudan/Cane: large rounds 40.00-45.00. Corn stalks, ground and delivered 70.00-80.00.

### South Central Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, alfalfa pellets, steady, grass hay: bluestem 5.00 lower, movement moderate for grinding alfalfa and ground/delivered, slow for all other classes of hay. Alfalfa: horse, small squares 7.50-8.50/bale, Dairy, .70-.80/point RFV, Supreme 140.00-150.00, Premium 130.00-140.00, Good 110.00-130.00. Stock cow alfalfa, 80.00-90.00. Fair/Good grinding alfalfa, 70.00-80.00. Ground and delivered locally to feedlots 105.00-115.00. The week of 6/18-6/24, 4,521T of grinding alfalfa and 600T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 140.00-150.00, 17 pct protein 145.00-160.00, Dehydrated 17 pct 198.00-202.00. Grass hay: bluestem, mid

and large squares 60.00-70.00, large rounds 55.00-65.00. Brome, mid and large squares, none reported, large rounds 75.00-80.00. Oat hay, large rounds 85.00-95.00 delivered. Sudan 50.00-60.00.00. Cane hay, large rounds 45.00-55.00. Corn stalks, ground and delivered 75.00.00-85.00. Straw large squares 50.00-60.00.

### Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay, steady, movement slow. Alfalfa: horse or goat, 210.00-220.00. Dairy .75-.85/point RFV. Stock cow alfalfa 90.00-100.00 with an instance at 135.00-145.00. Fair/Good grinding alfalfa 70.00-80.00. Ground and delivered, 80.00-90.00. Grass hay: bluestem, small squares 100.00-110.00. Good, mid and large squares 70.00-85.00, large rounds 50.00-60.00. Brome: small squares none reported. Good, mid and large squares 90.00-110.00, large rounds 55.00-65.00. Straw, none reported. CWF grass mulch none reported.

### Northwest Kansas

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

### North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, grass hay steady, ground/delivered 5.00 lower, movement slow. Alfalfa: horse, none reported. Dairy .85-1.00/point RFV, Supreme 150.00-200.00. Premium 140.00-160.00, Good 130.00-140.00. Stock Cow, good 110.00-120.00. Fair/Good, grinding alfalfa, 65.00-75.00. Ground and delivered, 105.00-115.00. Grass hay: bluestem, small squares 4.00-6.00/bale, large squares 70.00-80.00, large rounds 60.00-70.00. Brome: Good, small squares 6.00-7.00/bale, mid and large squares, 90.00-100.00, good large rounds 65.00-75.00. Sorghum/Sudan, large rounds 60.00-70.00. Straw, small squares, 3.50-4.50/bale, large squares 75.00-85.00, large rounds 60.00-70.00. CWF grass mulch, none reported.

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

\*CWF Certified Weed Free

\*RFV calculated using the Wis/Minn formula.

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

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

Posted to the Internet: [www.ams.usda.gov/mnreports/DC\\_GR310.txt](http://www.ams.usda.gov/mnreports/DC_GR310.txt)

## Lawsuits swing into action on EPA proposal

By Daniel Flynn, Price Futures Group  
It was a wild ride in the grain complex in last Thursday's trading session. The markets were all over the place. After trading sharply higher only to selloff and trade sharply lower, then tried to recover from the lows, but the rally ended up fizzling out. In the overnight electronic session the September corn is currently trading at 391¼ which is 1¼ cent higher. The trading range has been 392¼ to 388¼

so far. In the coming days not exactly in this order we will focus for corn pollination, tasseling and weather. On the ethanol front all the talk is the proposal by Scott Pruitt, Administrator for the Environmental Protection Agency (EPA), to reduce volumes of biofuels in 2018 due to market realities. This did not sit well after the word on the street was that volumes would stay the same in 2018. This sparked several lawsuits to be filed. We will see how this drama plays out and affects the market in the coming weeks. There were no trades posted in the overnight electronic session. The August contract settled at 1.505 and is currently showing three bids @ 1.493 and one offer @ 1.509 with open interest at 1,173 contracts.

On the crude oil front, the market rallied big time after another bullish American Petroleum Institute (API) report and even more bullish data on the Energy Information Administration (EIA). The only bearish sign in the weekly data was a rise in production, however, there was a rise in demand as well but with draws overall and big draws in Cushing, Oklahoma do not warrant this type of selloff. In the overnight electronic session the August crude oil is currently trading at 4453

which is 99 points lower. The trading range has been 4542 to 4405.

On the natural gas front we have the weekly EIA Gas Storage at 9:30 a.m. This market followed suit with the crude selloff in the overnight and further pressured with the silver flash crash. The weekly Reuters poll with 21 analysts participating expect injection builds anywhere from 57 bcf to 68 bcf with the median injection build of 64 bcf. This compares to the previous week's build of 46 bcf, the 1 year build of 38 bcf and the five-year average of injection builds of 66 bcf. In the overnight electronic session the August natural gas is currently trading at 2.923 which is 3 ½ cents higher. The trading range has been 2.933 to 2.882.

## EPA releases biofuel volumes for 2018

The Environmental Protection Agency released its proposed volumes for biofuels under the Renewable Fuel Standard for 2018. The proposal would reduce its volume mandate for use of advanced biofuels but

would keep the requirements for ethanol at the maximum level set under the law. The 2018 biofuel volume mandate would be 19.24 billion gallons, which is a reduction of 40 million gallons from the level set for 2017. Conventional ethanol, which includes sorghum, will not be affected as the EPA maintained the conventional blending requirement at the statutory level of 15 billion gallons. The petroleum production and refining industries will likely oppose the conventional requirement, so voicing support of this component of the proposal will be important. The EPA intends to issue the final rule by November 30, but is expected to announce comment opportunities soon.

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T Bar T May 24C won grand champion cow-calf pair at 2017 Northeast Kansas Junior Angus Show, June 10 in Effingham. Brianna Cattrell, Circleville, owns the January 2015 daughter of PVF Insight 0129. A March 2017 heifer calf sired by EF Commando 1366 completes the winning pair. Graham Blagg, Overland Park, evaluated the 14 entries.

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# Kansas farmers embrace sustainable farming practices

By Amy Bickel

(AP) – A second-generation farmer on the Kansas plains, Pat Janssen is making it his business to be a steward of the land.

It's not only good for the environment, but it makes economic sense, he said. And he is always trying to do a better job of it.

Yet at a Kiowa County farm where he grows corn, soybeans and wheat, he'll admit that what he and other farmers are doing to improve the soil, the water and the air is one of the nation's best-kept secrets.

"The public perception of production agriculture is more like a strip mine than brain surgery," Janssen told the *Hutchinson News*. "What we are doing is closer to brain surgery."

Janssen said this as he sat in the Kiowa County Media Center in Greensburg, a town where sustainability has been touted since a tornado destroyed

most of it a decade ago. The town's rebuilding has been part of a well-documented, green-centered movement. But now, the green revolution is taking place on the farm, where producers like Janssen are considering ideas on how to use fertilizer even more efficiently, as well as curb soil runoff and conserve and protect water supplies.

Moreover, these farmers are no longer keeping quiet about what they are doing.

Janssen is among a large and growing group of U.S. farmers embracing sustainable farming practices as national food companies, such as Wal-Mart Stores Inc., answer the call of their customers who want to know where their food comes from, how it is produced, and that it is produced in a way that isn't damaging the environment.

Leading the charge across rural America is member-owned cooperative

Land O'Lakes, an agribusiness company that touches 50 percent of the nation's harvested row-crop acres. Among its brands are Land O'Lakes, Purina and Winfield United, which provides seed, crop-protection products and agriculture insights to agribusinesses and food companies.

The SUSTAIN program is among the company's newest brands, said Matt Carstens, senior vice president of Land O'Lakes SUSTAIN. The program helps farmers continue the tradition of being responsible stewards by providing cutting-edge tools and practices that include nutrient efficiency, water management and soil health – all the while being highly productive.

Some farmers have implemented no-till farming – leaving residue on the field that protects precious topsoil from blowing or washing away, along with keeping moisture on the field. Some plant cover crops, hone in on fertilizer use and build structures like ponds and wetlands.

Moreover, many of the tools not only protect the environment, but are cost-saving measures, as well.

"Agriculture doesn't have anything to hide," Carstens said. "The transparency of information is something consumers have the right to know."

A decade or so ago, Wal-Mart started a quest to become a leader in sustainability.

The company recognized that despite significant efforts from companies, governments, nonprofits and others around the world, the planet's temperatures were rising. Officials began looking at the company's environmental footprint.

With its large purchasing power, Wal-Mart's goal of reducing greenhouse gas emissions soon reached its suppliers. The company announced Project Gigaton in April, a goal to remove 1 billion metric tons of emissions from its supply chain by 2030.

That's the equivalent of taking more than 211 million passenger vehicles off

of U.S. roads and highways for a year, according to Wal-Mart.

Already, at least 15 food companies representing 30 percent of the U.S. food and beverage market in Wal-Mart's supply chain have committed to using fertilizer more efficiently, according to the Environmental Defense Fund.

For instance, Smithfield Foods, a major U.S. supplier of pork, set an ambitious goal to engage 75 percent of its grain sourcing acres – about a half-million acres – by 2018.

Land O'Lakes is among the suppliers joining the effort. The cooperative has a goal to reach 10 million sustainable agriculture acres by 2020. By 2025, the company will assess all of its farmer member-milk supply for emissions, such as manure systems. Also, the agribusiness allocated 20 million acres for fertilizer optimization, soil health and water management.

With those commitments, the company's target is to reduce 10 million metric tons of greenhouse gas emissions by 2025.

Carstens said he first reached out to Wal-Mart a handful of years ago through the Environmental Defense Fund, requesting a meeting to talk about their plan.

"What really opened my eyes to what consumers were wanting was some of the information Wal-Mart was putting out there about the greenhouse gas footprint," he said. "They knew then the fact they really wanted to make an impact in the greenhouse emissions."

Nitrogen applied to crops in the Midwest is a contributor to greenhouse gas emissions, Carstens said.

According to the EDF, while fertilizer is essential for producing food across the globe, crops take up on average only 40 percent of the nutrients applied to them each growing season. The remainder affects the water and air.

But there are alternate ways to optimize fertilizer use other than reductions, said Carstens. This can be accomplished through ni-

trogen stabilizers. Some farmers split-apply fertilizer instead of putting it all on at one time. The purpose of split applications is to adjust the nitrogen supply according to the needs of the growing crop.

This reduces the risk of unused nitrogen leaching into groundwater or volatilization into the air, Carstens said.

Janssen has split-applied nitrogen for a few decades. He has also zeroed in on his nitrogen use.

"We have already cut back our total applied nitrogen down over the past ten years - from 270 pounds an acre to 240," said Janssen.

But he realizes there could be more he could do.

"We think we have gotten to the point we are dialed in, then this deal comes and blows me out of the water and we've got to rethink it again," he said.

Willie Schmidt, agronomy manager for Alliance Ag and Grain, based in Greensburg, helped bring the SUSTAIN program to south-central Kansas last year. By the end of the year, the cooperative will be among more than 50 U.S. ag retailers with a few hundred locations that are part of program.

Already, the cooperative has more than 240,000 acres enrolled in SUSTAIN, including Janssen's.

Lance Nelson, the cooperative's southern region operations agronomy manager who is heading up the SUSTAIN program, said Alliance Ag also is partnering with five producers on replicated nitrogen rate trials. Information from the trials gives farmers information relative to the Kansas environment. They also help educate consumers on farmers' precision practices.

Precision tools include thermal imagery taken as the crop grows, moisture probes to measure and direct water irrigation and variable rate applications of inputs like fertilizer and seed.

"We'll compile the data and use it to help our customer base see the benefits of using the SUSTAIN platform," said Nelson, adding that the more people who buy in, "The more best-management practices that occur in our whole trade territory. The more people we get on board, it is going to be better for everybody."

Janssen said he breaks up his fields into three to five separate production zones, managing each individually to help make decisions on input rates based on yield and profit potential.

"We are trying to match the inputs to the production potential of that specific piece of ground rather than just take a shotgun ap-

proach to it," he said.

That's where farming becomes akin to brain surgery – especially in a struggling farm economy.

"You get to talking yields with farmers, and the last liar in the room is the one who wins," said Janssen, adding that isn't what his operation is based on.

"Our deal is built around maximum economic yield," he said. "We are in an area with short wells, very sandy soils, so trying to get the best return on our investment is a greater priority than being able to brag about 270-bushel corn."

For instance, Janssen said, on a gnarly sand knob with a 125-bushel potential, he gears his seed and fertility to the yield potential rather than to fertilizing the entire field for 225-bushel corn.

"It also has allowed us to do a more efficient job of utilizing our irrigation water," he said.

Farmers are good at getting their boots on the ground and doing best-management practices to better their land, said Nelson. But they haven't been as good in the past with the political speeches and telling their story.

"There has never really been an advocate for the farmers and, in a large scale, to tell our story, to tell what good things we are doing on the farm," he said. "The real story is these guys are doing great things. They are wanting to learn best-management practices and do better at what they are doing."

Janssen told his own story of the farm. His parents moved to Kiowa County in 1972. An accountant, Pat's father started farming a few years later. Janssen moved back to the farm in 1994. Today, he grows wheat, corn and soybeans, along with irrigated grass, and has a cow/calf operation.

He's been adopting best-management practices since his return, including strip-till and no-till farming. Those practices have helped increase water filtration rates, he said.

He told his story to a vegan on an airplane a few years ago.

"She started telling me about all the things that happen raising cattle and I started telling her about raising cattle. She had some definite perceptions of how things are done out here, and not any of them were close to true.

"I don't think it is a story you can beat down someone's throat," he said. "But I think you have to be open and honest with them and if they have questions, do the best job of communicating that you can."



B/C Miss Elba 5081 won grand champion owned female at 2017 Northeast Kansas Junior Angus Show, June 10 in Effingham. Austin Woodrow, Emporia, owns the September 2015 daughter of Greene Pokerface 1304. Graham Blagg, Overland Park, evaluated the 14 entries.

## AUCTION

FRIDAY, JULY 21, 2017 — 1:00 PM

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Offering for sale at Public Auction, located at 200 N. Poplar

(Wheat Building), GOESSEL, KS

ANTIQUES, FURNITURE, COLLECTIBLES, SHOP & GUNS

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## ESTATE AUCTION

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SATURDAY, JULY 22, 2017 — 9:00 AM

603 Juniper — WAKEFIELD, KANSAS

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**NOTE:** This is a clean auction of high quality items. Rolland was a mechanic & locksmith. The tools are exceptional. Some of the best we've ever sold. Great opportunity for mechanics to add to their tools of the trade. We will sell the tools first. Then automotive, locksmithing, sportsman supplies & army surplus in no particular order. Antiques & household goods will sell last. Hope to complete auction by 2:00.

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## PERSONAL PROPERTY AUCTION

SUNDAY, JULY 16, 2017 — 2:00 PM

AUCTION LOCATION: 1945 C Road — ELMDDALE, KS 66850

PROPERTY OF GERTRUDE WEBER

**Directions:** From Hwy 150 & Hwy 50 Junction at Elmdale, KS west on Hwy 150 approx. 7.5 miles to C Rd & 1/2 mile South on C Rd. From Junction of 150 & Hwy 77 east of Marion, KS approx. 9 miles east to C rd & 1/2 mile south.

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# Sunflower Supreme Replacement Heifer Program expands

Coming to central Kansas – the Sunflower Supreme Replacement Heifer Program. The program, which began in 2013 in southeast Kansas, has no true borders in terms of producers being able to enroll, according to program director Jaymelynn Farney. Anyone who would like to enroll is allowed and can potentially market heifers at special sales to be hosted in southeast Kansas or Salina at the Farmers and Ranchers Livestock Market.

Developed by Kansas State University and the Kansas Department of Agriculture, the program is for Kansas beef producers

who want to improve their management techniques and marketability of their heifers. Heifers that are ultimately certified have been minimally managed the same from an important health, breeding, and sire selection standpoint, she said. Its guidelines, which are based on best management practices, can be found at [www.sunflowersupreme.org](http://www.sunflowersupreme.org). They can be implemented within any cattle operation.

Farney, who is a beef cattle specialist with K-State Research and Extension based in Parsons, summarized key guidelines.

**Health:** All heifers must be tested and negative for

Bovine Viral Diarrhea – Persistently Infected (BVD-PI). “Since a PI animal will be infected and shedding the virus for life, making sure you are not introducing a known abortion-causing virus in your herd is the first health concern associated with the program,” Farney said. Since the goal is to maintain pregnancy, vaccination against other abortion-causing pathogens such as Leptospirosis, Vibriosis, BVD, and Infectious Bovine Rhinotracheitis (IBR) is included in the protocol.

**Breeding:** A 60-day breeding season is the maximal length for Sunflower Supreme heifers whether

artificially inseminated (AI) or only exposed to a bull. Producers have the option to choose whichever breeding option (AI only, natural service only, combination of AI and natural service), and have options to choose a synchronization program. Heifers will be early pregnancy checked so that veterinarians can estimate expected calving date. That helps producers (those buying Sunflower Supreme heifers and those raising their own replacement heifers) when calving time comes. It also allows for sorting of heifers based on calving date to be better able to watch and mitigate some of the extra labor as-

sociated with calving out heifers.

**Sire selection:** Sunflower Supreme certified heifers must be bred to bulls that meet minimum calving ease (CE) expected progeny differences (EPD) based on breed. Calving ease is an economically relevant trait that is used as an estimator of birth weight and gestation length, both of which are involved with calving difficulty. EPD is calculated using information from calving of two-year-old females and birth weight information of the bull's progeny.

Once heifers have met the program's requirements, they are tagged with

an official Sunflower Supreme ear tag. The idea, Farney said, is to establish longer longevity within an operation and generate consistent revenue.

“These certified heifers can be marketed or retained in your operation,” she said.

More information about the program is available at [www.sunflowersupreme.org](http://www.sunflowersupreme.org) or by contacting Farney at 620-820-6125 or by email at [jkj@ksu.edu](mailto:jkj@ksu.edu). Producers can also contact their county or district K-State Research and Extension agriculture agent to enroll in the program and find out when educational meetings will be coming to their area.

## KSU researchers help with landmark study of wild wheat ancestor

Kansas State University scientists are part of a breakthrough study in which an international team of researchers has successfully deciphered all 10 billion letters in the genetic code of a wild ancestor of wheat.

Their work is published in the July 7 issue of *Science Magazine*.

“The relative of wheat is called wild emmer, which is one of the founding crops of human society,” said Edward Akhunov, professor of plant pathology and wheat genomics at Kansas State University. “Wild emmer was one of the first crops that was domesticated 10,000 years ago, which was a critical step in moving from hunting and gathering to an agricultural society.”

By knowing the genetic code of wild emmer, scientists can now compare its DNA to modern varieties to fully understand how wheat has evolved over thousands of years. With that information, they can better understand the genes that provide important traits such as drought and heat tolerance, or resistance to various diseases and pests.

“From a biological and historical viewpoint, we have created a time tunnel that we can use to examine wheat from before the origins of agriculture,” said Assaf Distefano, a professor at Tel Aviv (Israel) University, who led the project.

“Our comparison to modern wheat has allowed us to identify the precise genes that allowed domestication of wheat. For example, while the seeds of wild wheat readily fall off the plant and scatter (a process called shattering), a change in two genes meant that in domesticated wheat, the

seeds remained attached to the stalk, and it is this trait that enabled humans to harvest wheat.”

Akhunov, whose research team used a technology called “exome capture” to identify the regions of the wild emmer genome important for wheat domestication, said that wild emmer and other wild relatives of wheat have been a useful resource for improving wheat for a long time. Many of those wild relatives carry “beneficial genes that may make plants more resistant to different diseases or improve heat or drought tolerance.”

With the work done by the international team of researchers, Akhunov and his K-State colleagues can now more precisely identify gene segments that can help improve Kansas varieties.

“The small segments of the wild emmer chromosomes are being transferred to bread wheat, and these segments can carry some useful genes in there, and they can be used in (K-State) breeding programs,” Akhunov said.

“It is a valuable source for improving end-use quality of wheat, especially grain composition and the mineral content, and protein content,” he added. “There are a number of genes that are known to improve this trait, and they are coming from wild emmer.”

Kansas State University wheat breeder Allan Fritz already is conducting field trials with wild emmer at the Ashland Bottoms research farm south of Manhattan.

“There's good evidence that wild emmer contains genes for drought tolerance,” Fritz said. Israeli researchers identified a chro-

mosome that's produced a 10-15 percent increase in yield under drought – without sacrificing yield potential under well-watered conditions.

Fritz added that he and his team have done preliminary screening of accessions of wild emmer and have found resistance to wheat streak mosaic virus, while reports indicate it also contains genes for resistance to fusarium head blight and stripe rust. Wild emmer genes may also provide added value for wheat-based foods.

“The wild emmers can contain in excess of 30 percent protein, so there's high protein,” Fritz said. “We also know from the research of others that you can find some wild emmer that has twice the antioxidant capacity of domesticated durum.”

“We know that these wheats accumulate such things as iron and zinc at a higher level. So we can start to talk about nutritionally superior wheat varieties that can come out of this material. We think there's real value there for consumers as well as helping to ensure production in an increasingly variable environment.”

However, even with newer technologies to speed up the process, breeding new wheat lines takes a lot of time. Fritz said it will take at least 15 years before traits from these wild wheats will be available in commercial varieties.

“It's one of those things where, yeah, it's a really long-term project, but if you

don't ever start it, you never get to the good stuff at the end,” he said. “You need to get the process started and work through it.”

Even so, Fritz added, “I'm really excited about this. We can do some really good things. I think there's the opportunity to make much better wheat varieties, increase value in wheat for our producers, and to have a healthier product for consumers.”

The work completed at Kansas State University was funded by the U.S. Department of Agriculture's National Institute of Food and Agriculture. The project led by Akhunov uses historic climate data from the regions where the wild wheat ancestors grow and information about their genomic diversity to identify valuable genetic variation for improving wheat production in local environmental conditions.

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1997 Ford Ranger PU w/Topper (Red) & 43,000 +/- Miles, Antique Dresser & Dresser Set, Single Dresser, Full Bed Frame w/Head Board, Book Case, Antique Oak Chairs, Dining Table w/4 chairs, Wooden Coat Rack, Vintage Baby Crib, Lamps, 2-Console Stereo's, Wollensack Reel to Reel Stereo, Bissell Sweeper, Kenmore 5 CU Ft Chest Freezer.

**COINS & GUNS (Coins 10:00 AM-5:30 PM)**  
1898-S \$5 Liberty Gold, 1880 \$5 Liberty Gold, 1921 Walking Liberty Half, 1921-D Walking Liberty Half, 1907-D Barber Half, 1908-D Barber Half, 1894-D Barber Half, 1897-D Morgan Dollar, 1899-S Morgan Dollar, 1900-S Morgan Dollar, 1922 Peace Dollar, Iver Johnson Arms Double Action Hammerless 6 Shot 22 Pistol, Phoenix Arms 22 Cal Semi Auto Pistol, Daisy Model 8 22 Cal Bolt Action Rifle, Remington 20 Ga. 870 Pump Shotgun, Stevens Model 311 E 12 Ga. Side by Side, Savage Model 24C 22 over 20 Gauge, Winchester Model 2 22 Bolt Single Shot Rifle Pat: Aug 29, 1889, Rossi SA 410 Single Shot and 22 Cal Interchangeable Barrel, Maverick Model 88 12 Ga. Riot Gun 18 1/2 Inch Barrel 2 1/2 and 3 Inch, Daisy Model 220 177 Cal BB Pellet Gun (Made In Scotland), Assorted Ammunition, Pacific Rifle/Pistol Reloader.

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**TOOLS & MISCELLANEOUS**  
Murray 10HP 30" Riding Lawn Mower, Lawn Man Push Mower, 2-Snow Blowers, Craftsman Gas String Trimmer, B&D Cordless Shears, 6000 Watt Testmark 13HP Generator, 3000 Watt Dayton 5HP Generator, AC Welder, 5HP Air Compressor, Antique Cast Iron Craftsman Table Saw, Antique Craftsman Lathe, Colman Heaters & Lanterns. MW Wardway Ball Bearing Bench Ringer, Cast Iron Tractor Sprinklers, Antique Fans, Old Evenrude 5HP Boat Motor, Snow Skis w/Poles, Fishing Poles, 12 Volt Electric Impact Wrench, B&D Router, Dewalt 14" Multipurpose Cut Off Saw, Ryobi 12" Miter Saw, Craftsman 10" Band Saw, Delta 10" Bench Table Saw, Porter Cable Profile Sander, Delta Table Router, Electric Sanders & Drills, Skill Saws, 6" Bench Grinder, 220 3HP Compressor Motor, Electric Motors 110 & 220, Dewalt Heavy Duty Drywall Wrench, Snap On Tool Boxes, Craftsman Tool Boxes, Screwdriver w/Quick Clutch, Hand Tools, Battery Charger, 6000Lb 12V Winch, Shop Vac, Oster Waffle Iron, Cusinart Food Chopper, Small Kitchen Appliances, AM/FM Radio, Coolers, Picnic Table, Metal Patio Table w/4 Chairs, 3-Metal Lawn Chairs, Coleman Camping Table, Wooden Glider, Metal Trash Cans, Halogen Shop Light, **JUST A PARTIAL LISTING.**

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**FARM MACHINERY AUCTION**  
**SATURDAY, JULY 22, 2017 — 12:30 PM**  
LOCATED: From Beattie (Marshall Co.), KS on Hwy. 99, go East 1 mile. FOLLOW SIGNS!

**TRACTORS & EQUIPMENT**  
TRACTORS: 1993 White #6195 Workhorse MFWD tractor w/duals, 4,400 hrs., good tires; 1984 White #2-88 tractor, 7,100 hrs. w/Western-dorf TA-29 loader & bale fork; **FARM EQUIPMENT:** 1989 JD #9500 combine, engine 7,600 hrs., separator 5,425 hrs., excellent; 1998 JD #920 flex head; 2 header trailers; Case IH #496 disc; White #508 5 btm. plow; Case 32' field cultivator; Glencoe 36' field cultivator; Glencoe Soil Saver; Great Plains 24' drill; Parker 300 bu. gravity wagon w/aufer; 1979 Chevy C60 grain truck w/16' wood bed, V8; 2015 JD CX15 single wing 10' shredder, 540 RPM; 2011 New Holland #499 swather; JD #640 hay rake; JD #567 mega wide twine-tie w/pre-cut knives & monitor big baler, 10,700 bales; JD #347 small square wire-tie baler; 3 bale rings; Feed King port. feeder; round tub w/alley; VVV chute; New Idea #3626 manure spreader; old wood grain wagon; 2017 twine-tie big bales of brome 120 & straw 150; 2016 wrapped big bales of brome 40. **AUCTION NOTE: Most of this equipment is well-maintained, serviced and in good field-ready condition. Be on time, no small rack items. Photos on websites.**  
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**150 GUNS AUCTION**  
**SUNDAY, JULY 23, 2017 — 1:00 PM**  
Open for viewing at 11:00 am  
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**Old Winchesters** – model 12's, 97, 1876, 1873, 1894, 42, 90, 86, 91, 06, 92, 61, 88, 71, 92, 94, 25

**Military** – M-1 Carabines by Postal Meter, Underwood, General Motors, Auto Ordinance \* (2) M-1 Garands \* Springfields \* Norinco SKS \* Yugoslavia SKS \* Ruger AR-15 \* Springfield M-14 \* (2) Russian M44 w/bayonet \* (2) Romarm/Cugir \* Russian Nagant.

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# Salmonella linked to backyard poultry flocks

In 2016, a record number of illnesses were linked to flocks of backyard poultry. As of May 25, 2017, 372 people have been infected with strains of Salmonella traced to backyard poultry flocks. Of these people, 71 have been hospitalized and 36 percent are children under the age of five years old. Raising poultry at home has been common in rural locations for years. Small numbers of

poultry are allowed within urban city limits, but care must be taken when caring for the flock and handling the birds.

\*Always wash your hands after handling the birds or any equipment where they live.

\*Do not let birds inside the home or around areas of food preparation or serving.

\*While baby chicks are cute, do not snuggle or kiss

them.

\*Clean poultry-related equipment outdoors.

\*Collect eggs often. Wash your hands after handling eggs. Refrigerate them after collection.

Have you ever had a food-borne illness and do not know where to report it? The Kansas Department of Agriculture and Kansas Department of Health & Environment just launched "Food Safe-

ty Kansas" at [www.food-safetykansas.org/](http://www.food-safetykansas.org/). Here you can report an illness caused by a restaurant, food item, or from an event. You can also report a problem with a restaurant that did NOT cause an illness. The goal is to improve accessibility and reduce anonymous complaints. Those anonymous complaints slow down investigations to find solutions. The public can also

phone in complaints with the numbers below:

Foodborne illnesses, 877-427-7317

Restaurant practices, 785-564-6767

Karen Blakeslee coordinates the Rapid Response Center on the K-State Campus. She assists agents with researching and answering questions on food safety and food science. She also writes the *You Asked It!* newsletter. You

can access the current issues and archived issues at <http://www.rrc.kstate.edu/newsletter/index.htm>

For more information on Salmonella outbreak, see <https://www.cdc.gov/zoonotic/gi/outbreaks/live-poultry.html>

For more information about food safety practices, contact Erin Tynon, FCS Agent, at 785-457-3319, or [etynon@ksu.edu](mailto:etynon@ksu.edu).

# There's still time to control sericea lespedeza

By Keith Martin,  
Livestock Agent,

Wildcat Extension District

Sericea lespedeza (*Lespedeza cuneata*), is an introduced perennial legume native to eastern Asia. It is recognized for its tolerance of drought, acidity, and shallow soils of low fertility. It has few insect and disease problems. Sericea lespedeza's ability to thrive under a variety of conditions and its tendency to crowd out more palatable forages are among the reasons it has been declared a noxious weed in Kansas and may be considered as a noxious weed in Missouri, Nebraska, and Oklahoma.

Sericea was planted in the past to control soil erosion, provide forage for livestock, and provide cover and food for wildlife. From these plantings, it has spread by animals and movement of hay contaminated with sericea seed to native prairies, shrublands, forests, and introduced pastures. Normal management practices such as grazing, burning, and applying herbicides do not adequately control sericea lespedeza.

Seven herbicide options are available for use on sericea lespedeza. For full instructions, cautions and warnings, read the label before using a herbicide.

All the herbicides require sericea lespedeza plants be

actively growing and have the ability to continue active growth after application. This means early growth (June to mid-July) must have new leaves being formed. After mid-July, the plants must be producing buds and moving to bloom stage. If the plants are not actively growing, Do not apply herbicides. Results will be poor and not cost-effective.

In order to get good control, the amount of spray solution per acre must be increased. This is necessary to insure complete coverage of the sericea lespedeza plant. The recommended rates are:

By air – a minimum of three (3) gallons per acre to as much as five (5) gallons per acre for dense popula-

tions.

By ground – a minimum of 10 gallons per acre to as much as 20 gallons per acre for dense stands.

For spot treatments – the plant must be covered with solution but not to the point that the solution drips from the plant.

Seven herbicides labeled herbicides are listed in KSU's Chemical Weed Control Publication: Remedy Ultra, Escort XP, Cimarron Plus, Cimarron Max, Cimarron X-TRA, Pasturegard, Surmount and Chaparral. Specific recommendations and labels for each of these herbicides is available at <http://www.agronomy.k-state.edu/extension/range-and-forage/sericea-lespedeza/>

Integrating more than one control method has been successful, such as using combinations of grazing or mowing followed by herbicides. Grazing with goats will suppress seed production and some recent research done at the Bressner pasture suggests that late season grazing with sheep can suppress seed production as well. A September burn has also showed promise in reducing seed production, while allow for pasture recovery prior to frost.

Sericea lespedeza found in native hay meadows is of concern but does not make the hay unharvestable. If the hay is cut before the sericea lespedeza begins budding, it can be hayed. The tannins that make sericea lespedeza

unpalatable break down as the material dries resulting in a decent quality hay. Reports indicate that cattle readily consume the sericea lespedeza as hay.

For information about this and other livestock and forage topics contact the K-State Research & Extension, Wildcat District office at (620) 784-5337 or email [rkmartin@ksu.edu](mailto:rkmartin@ksu.edu) An excellent resource for musk thistle and other Kansas noxious weeds is available at our website [www.wildcatdistrict.ksu.edu](http://www.wildcatdistrict.ksu.edu), under the crops and livestock tab. You can also like us on Facebook at <https://www.facebook.com/Wildcat.Extension.District> or follow me on Twitter at [https://twitter.com/wed\\_livestock](https://twitter.com/wed_livestock)



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# Angus convention registration now open

Registration opened July 1 for the 2017 Angus Convention, which will take place Nov. 4-6 in Fort Worth, Texas. Visit the convention website, [www.angusconvention.com](http://www.angusconvention.com), to register and make hotel reservations for the three-day event.

During the Angus Con-

vention, Angus breeders and commercial cattlemen are invited to learn from world-class speakers and educational seminars, network at the trade show and enjoy social events and entertainment with fellow cattle producers from across the country.

Highlights of the week's events include the International Angus Genomics Symposium, sponsored by Neogen GeneSeek® Operations, where keynote speaker and futurist Lowell Catlett will discuss technology and its implication on how we live and work; Innovation Workshops, sponsored by Zoetis, discussing genomic selec-

tion tools and genomic data interpretation; and Angus University, sponsored by Merck Animal Health, featuring guest speakers Edd Hendee and Randy Blach and workshops on EPDs, bull selection, breeding systems and more. Country group Asleep at the Wheel will entertain the crowd on Sunday, Nov. 5.

"We are very excited to bring the 2017 Angus Convention to Texas," says Clint Mefford, executive marketing associate and lead contact for the event.

# U.S. pork exports hit all-time high

The U.S. exported 523.79 million pounds of pork during March, a new record. That was up 16.3% from the month before, up 15.6% from a year ago, and up 2.7% from the old record set in November 2016.

Mexico, South Korea, Japan and Colombia are the leading growth markets for U.S. pork exports, with Mexico accounting for more than half the increase. Sales to China and Hong Kong are lower. March exports equaled 23.1% of the month's pork production. The pork export demand index has been up double digits each month since October.

The peak year for U.S. pork exports was 2012. Through March, 2017 U.S. pork exports are 17.1% ahead of last year and less than 1% behind January-March 2012. USDA expects the 2017 pork export total to slightly exceed the 2012 record. Because U.S. pork production is growing much faster than the U.S. population, export growth will be crucial to maintaining pork prices.

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- 63 mostly blk strs off broam, 975 lbs
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JE Trigger 16D won grand champion steer at 2017 Northeast Kansas Junior Angus Show, June 10 in Effingham. Baylee Wulfkuhle, Berryton, owns the March 2016 son of Carlsons Leroy. Graham Blagg, Overland Park, evaluated the 14 entries.

## HUGE GUN & AMMO RETIREMENT AUCTION

SATURDAY, JULY 22, 2017 — 10:00 AM

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AUCTIONEER'S NOTE: Leo has decided to retire and sell his remaining inventory. Very nice selection of guns and ammo!

SELLERS: PAT'S PAWN & GUN

Go to website below for complete list!

TERMS: Cash, Good Check and credit cards will be accepted for payment. All items sold as is where is. Announcements made day of sale take precedence over previous printed materials. 10% Buyers premium and sales tax will be collected. FFL regulations will apply to all firearms.



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# Kansas Profile

By Ron Wilson

Executive Director of  
the Huck Boyd  
Institute



## Doug McKinney – Career Exploration

By Ron Wilson, director  
of the Huck Boyd National  
Institute for Rural  
Development at Kansas  
State University

“Our biggest export from rural Kansas isn’t wheat or corn – it’s our young people.” That statement describes one of our rural communities’ major dilemmas, which is the outmigration of youth. Today we’ll learn about an initiative in north central Kansas which is helping make young people aware of the opportunities they have locally without having to move away.

Doug McKinney is executive director of the North Central Regional Planning Commission which serves 12 counties in north central Kansas, plus providing other services beyond that region. The commission’s main office is centrally located in the region, in Beloit.

Doug explained that he and other community representatives were invited to a Kansas Department of Education forum in Topeka in December 2016. State Commissioner of Education Randy Watson invited

school districts and others to come to this forum on the topic of summertime career exploration and leadership development. The one-day forum featured a school district in New York state that used summer programming to address several problems found in that school district.

“In New York, they had a lot of issues with juvenile delinquency and low graduation rates,” Doug said. “Our issues are different from theirs, but we did see how special programming in the summertime could address community needs.”

Several partners in this region of Kansas then got together to plan a special initiative to be held in the summertime. Led by Jeff Travis, the Beloit school superintendent, the other partners included Eric Burks, president of the North Central Kansas Technical College (NCK Tech); Heather Hartman, Mitchell County economic development director, and Doug from the North Central Regional Planning Commission. A K-6 technology teacher, Cris Adams, and high school counsellor Stephanie Litton coordinated the program.

The partners designed what was called Career Ex-

ploration and Leadership Development week for middle schoolers. Sessions included hands-on activities related to science, health care, law enforcement, agriculture, and entrepreneurship (Full disclosure: I was a presenter at one session where we discussed rural entrepreneurs). The weekly schedule included three days of speakers, lunch, and tours.

In the spring, students were offered the opportunity to participate in this innovative program. Sessions were held during three weeks in June. During those three weeks, the students learned about science and biology from Kansas Wildlife, Parks and Tourism; robotics and machining skills from NCK Tech; and much more from specific businesses. The students visited Brush Art in Downs, Cunningham Cable and Telephone, Brady’s Lakeside in Glen Elder, Ringneck Ranch at Tipton, and Agmark, Agco, Kettle, and Carrico Equipment in Beloit. Several employers emphasized the extensive need for skilled technical workers. The students were even guests of the local Rotary club.

“The goal is for them to

learn about career opportunities right here in their own backyard,” Doug said. Exposing youth to local opportunities may serve to help them start careers locally or come back to the community at a later age or stage of life. “We hope they will remember this place when they’re older and wiser, say, at age 25,” Doug said with a smile.

In year one of the program, 14 youth participated. Most were from Beloit but there were also students from neighboring rural communities such as Glasco, population 498, and Simpson, population 86 people. Now, that’s rural.

Informing rural youth about local career opportunities can make their education more productive as well as provide the possibility that they can build a

career or return to the community later on.

“The Smoky Hills Educational Service Center, which serves our region, says this is unique,” Doug said. “We are doing a more formal evaluation, but the feedback from parents says that this was a topnotch experience.”

The greatest export from rural Kansas is not wheat or corn, it is our young people – but this group of partners is helping their young people become aware of opportunities locally. We salute Doug McKinney and all the partners who are part of this innovative effort who are making a difference by opening doors for young people. When it comes to the next generation of business leaders in our rural communities, perhaps we can grow our own.



Schafers Barbara 6953 won reserve grand champion owned female at the 2017 Northeast Kansas Junior Angus Show, June 10 in Effingham. Baylee Wulfkuhle, Berryton, owns the October 2016 daughter of Silveiras Style 9303. Graham Blagg, Overland Park, evaluated the 14 entries.

## Corn lagging as wheat harvest wraps up

For the week ending July 2, 2017, below normal temperatures and wet conditions benefited spring planted crops, according to the USDA’s National Agricultural Statistics Service. Rainfall of one inch or more was measured in most counties, with only the extreme southwestern counties receiving little to no rain. Hay harvest progressed across the entire state. There were 5.4 days suitable for fieldwork. Topsoil moisture rated 2 percent very short, 16 short, 77 adequate, and 5 surplus. Subsoil moisture rated 1 percent very short, 11 short, 84 adequate, and 4 surplus.

Field Crops Report: Winter wheat condition rated 8 percent very poor, 14 poor, 31 fair, 40 good, and 7 excellent. Winter wheat mature was 96 percent. Harvested was 73 percent, near 76 last year and 72 for the five-year average.

Corn condition rated 1 percent very poor, 6 poor, 30 fair, 52 good, and 11 excellent. Corn silking was 19 percent, behind 32 last year and 26 average.

Soybean condition rated 1 percent very poor, 3 poor, 29 fair, 61 good, and 6 excellent. Soybeans emerged was 95 percent, near 91 last year, and ahead of 90 average. Blooming was 12 percent, ahead of 7 last year, and near 8 average.

Sorghum condition rated 0 percent very poor, 3 poor, 26 fair, 67 good, and 4 excellent. Sorghum planted was 97 percent, equal to last year, and near 96 average. Emerged was 87 percent. Headed was 3 percent, behind 10 last year, but equal to average.

Cotton condition rated 1 percent very poor, 3 poor, 15 fair, 71 good, and 10 excellent. Cotton planted was 98 percent, ahead of 88 last year, and near 94 average. Squaring was 9 percent, behind 18 last year and 19 average.

Sunflowers condition rated 0 percent very poor, 1

poor, 38 fair, 56 good, and 5 excellent. Sunflowers planted was 93 percent, ahead of 88 last year, and near 89 average. Emerged was 83 percent, ahead of 75 both last year and average.

Alfalfa condition rated 1 percent very poor, 2 poor,

23 fair, 67 good, and 7 excellent. Alfalfa second cutting was 72 percent complete, well ahead of 52 last year, and ahead of 55 average. Third cutting was 5 percent.

Pasture and Range Report: Pasture and range conditions rated 0 percent very

poor, 3 poor, 19 fair, 66 good, and 12 excellent.

Stock water supplies were 0 percent very short, 3 short, 93 adequate, and 4 surplus.



Chase Taliaferro, Valley Falls, won reserve champion commercial steer at the 2017 Northeast Kansas Junior Angus Show, June 10 in Effingham.



Truman Taliaferro, Valley Falls, won champion commercial steer at the 2017 Northeast Kansas Junior Angus Show, June 10 in Effingham.



Burns Classic 16S12 won reserve grand champion steer at the 2017 Northeast Kansas Junior Angus Show, June 10 in Effingham. Morgan Woodbury, Quenemo, owns the February 2016 son of Dameron C-5 American Classic. Graham Blagg, Overland Park, evaluated the 14 entries.

## — REMINDER —

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# Summer is half over – might be time to remove bulls from pastures

By Jody Holthaus,  
Agent, Meadowlark  
Extension District,  
Livestock and Natural  
Resources

With the Independence Day holiday in the rear view mirror, it's time to think about removing the bulls from the pastures, depending on the length of your breeding season.

Yearlings should be left with the cow herd for 60 days or less. Beyond that time their condition can fall off to such a degree that it could have long-range effects upon their growth.

After removal from the cow herd after the breeding season, yearlings should be kept separate from the older bulls if possible at least through their second winter. Yearlings need to be fed or grazed on a good quality forage or pasture.

For spring/summer breeding programs, this could be hay regrowth or brome grass pasture. Their supplemental feeding regime can be equated to the program for bred-yearling heifers. These bulls are growing rapidly, in addition to replacing the condition

they lost during the breeding pasture.

Extra care and feed of yearling bulls after the breeding season should increase their longevity. These bulls should also have a breeding soundness Evaluation well before the start of the next breeding season.

Get two-year-old bulls in condition or their working clothes well before the start of the breeding season. Start at least 100 days before the start of the breeding season to get these bulls in condition score 6. This may mean

some grain or distillers may need to be fed to get them in condition. Starting early enough means that you will not need a lot of grain or distillers to get this accomplished.

Two-year-old bulls should have more of their mature size by breeding season as compared to yearling bulls. A 1,700 pound two-year-old that is slightly under-conditioned will probably only need to gain 1 pound per day at this stage in his life. To do this, active bulls may need 40 pounds of feed or more on a dry matter

basis, of which 5 to 7 pounds should be grain.

If body condition is well below the target, the amount of grain will need to be increased to near 0.5 to 1 pound or more per 100 pounds of body weight. Again, make any increases in grain intake gradually so that digestive disorders are unlikely.

The diet will need to be about 12% crude protein. Depending on the forage available this again may require protein supplement. Monitor the body condition of the bulls closely

and make grain feeding adjustments to reach the body condition score of 6 before the next breeding season begins.

After this age of bull finishes the breeding season, good quality grass pasture should be adequate. Watch body condition and if they struggle to pick up condition by fall, they may need some supplement during the fall and winter.

These bulls should also have a breeding soundness evaluation well before the start of the breeding season.

# Superior Livestock Auction holds Big Sky Roundup

Superior Livestock Auction hosted their second annual Big Sky Roundup from the Big Horn Resort

in Billings, Montana Friday, June 30th. Cattle producers offered 55,500 head of calves, yearlings and breed-

ing stock from 27 states for this auction. The bulk of trade occurred in the north central region, mainly Montana, with cattle selling on contracts to deliver immediately through the end of December. Superior Livestock went live at 7:30 a.m. Central time with Superior Sunrise and the auction starting at 8 a.m. The Big Sky Roundup was broadcast live on DISH channel 232 and streamed

on Superior Livestock Auction's Click To Bid website. Despite outside industry pressures this auction delivered prices that were higher than the 2016 Big Sky Roundup and excellent demand. Program cattle once again saw an increase premium, as the stage is beginning to be set for China trade.

Yearling steers were \$3 to \$5 lower and yearling heifers were \$2 to \$6 lower from

Superior's June 1st Video Auction. Calves under 600 lbs. were steady to \$3 lower while calves over 600 lbs. were \$5-\$7 lower.

Join Superior Livestock for their next offering, Superior's Week In The Rockies, broadcast live from Beaver Run Resort & Conference Center in Breckenridge, Colorado July 10th-14th where over 233,000 head of cattle are being offered. Superior Livestock's newest online timed auction format, Country Page Countdown, will their next offering will be July 20th on superiorclicktobid.com. For more information please visit www.

superiorlivestock.com. For a buyers' number or more information on becoming a consigner please call our Fort Worth office at 800-422-2117.

Superior is the largest livestock auction in the United States and markets well over one million head of cattle annually. With over 400 representatives located throughout the United States, Superior provides a complete national marketing network that serves both buyers and sellers. Superior Livestock is proud to announce that 2017 celebrates 30 years of serving the livestock industry.



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## LAND AUCTION

**GUITTARD TOWNSHIP, MARSHALL COUNTY, KANSAS**  
**FRIDAY, JULY 28, 2017 — 10:00 AM**  
(Held at Beattie Community Center), BEATTIE, KS  
Farm Located: 1 mile East of Beattie along Hwy. 99.  
Tract Legal: NE1/4 less a Farmstead Tract in Section 22, Township 2 South, Range 9 East of the 6th PM, Marshall Co., KS, consisting of 147 acres more or less.  
Tract consists of 65± acres terraced Cropland, 35± acres fenced Brome Meadow and the balance is Waterways, Pond, Timbered Grassland & Wolf Creek. Entire farm has continuous fencing.  
Terms: Cash with 10% down payment/earnest money on day of sale, and the balance due in full on or before August 31, 2017 with delivery of deed, and marketable title. Full possession given at closing. Buyer & Seller equally share the cost of title insurance and standard attorney fees (contract, deed & escrow). Unless sold prior to 7/24/17.  
This land is located in a good farming community and should merit the serious consideration of anyone wanting an individual unit or add-on acres. Look it over before sale day and come prepared to bid. Statements made day of sale take precedence over any advertised or previous statements.  
**STEVE O'NEIL, SELLER**  
For inquiries, contact Real Estate Brokers & Auctioneers –  
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These juniors won top honors in their divisions of showmanship at the 2017 Northeast Kansas Junior Angus Show, June 10 in Effingham. Pictured from left are Kady Figge, Onaga, intermediate champion; Truman Taliaferro, Valley Falls, junior champion; Morgan Woodbury, Quenemo, senior champion; Austin Woodrow, Emporia, reserve junior champion; Colby Baker, Lancaster, reserve senior champion; Baylee Wulfkuhle, Berryton, reserve intermediate champion; and Graham Blagg, judge.



Carter Molt, Atchison, won predominantly black crossed steer at the 2017 Northeast Kansas Junior Angus Show, June 10 in Effingham.

# AUCTION

**SATURDAY, JULY 15, 2017 — 9:35 AM**  
Sterl Hall, 619 N. Rogers — ABILENE KANSAS • LUNCH SERVED!



**1996 FORD F350 XLT, POWERSTROKE w/7.3 DIESEL ENGINE, SINGLE TIRES & BRADFORD FLATBED w/TOOL BOXES, AT. LOAD TRAIL BUMPER HITCH CAR & SKID LOADER TRAILER W/STEEL FLOOR & 1/2 DOVE TAIL. PICKUP 2 WHEEL TRAILER. ELECTRIC WINCH, TRUCK TOOL BOXES.**

**ANTIQUES, FURNITURE, SHOP & MISC. ITEMS**  
Old wood rocking chair; electric kitchen stove; gas kitchen stove; washer; dryer; Craftsman riding mower; misc. hand tools; jointers; scaffolding on wheel, like new; TV; metal shelving; wood stands; wood cabinets; lamps; desk; tables; lots of newer items in original boxes in new or like new condition; air compressors; hand tools, mostly carpentry tools; power tools; saws; chop saw; Milwaukee Sawzall; heavy foundation jacks; **MANY, MANY MORE ITEMS TOO NUMEROUS TO MENTION OF UNPACKED BOXES YET TO BE UNPACKED!**

We are currently unloading a house and 2 storage sheds of estate items. There will be something for everyone on this sale!  
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# PERC, Origin release new cost-saving, efficient irrigation engines

The Propane Education & Research Council partnered with Origin Engines to develop new 5.7- and 6.2-liter engines, EPA-certified and optimized for industrial applications like irrigation and power generation.

The enhancements include specialized valves and valve seats designed to endure rigorous applications, camshafts designed to maximize engine output, and pistons designed to minimize oil consumption.

PERC invested in the research and development of Origin's new engines, providing industry expertise and financial support through the research, development, and testing process for the new technology.

"We are excited to introduce these highly efficient, innovative engines to the market," said Pete Stout, product manager for Origin Engines. "We built our product line based on feedback from the end users

because their satisfaction is what is most important to us. We are confident they will be very pleased with these new products."

While the technology and efficiency is new and state-of-the-art, the design is familiar, as it is characteristic of the tried-and-true 5.7-liter engine produced by General Motors. As a result, there is already a vast network of commercially available service and spare parts, as well as technicians capable of servicing these models.

These new engines complement Origin's larger 8.0-, 9.1-, and 10.3-liter engines, providing a complete portfolio covering 50-200+ horsepower for both equipment manufacturers and consumers.

"Propane is an excellent fuel choice for irrigation engines because it is more stable, accessible, consistent, and environmentally friendly when compared to

electricity or diesel," said Cinch Munson, director of agriculture business development at the Propane Education & Research Council. "These advantages combined with the optimal efficiency of new propane engine technology provide several benefits to farmers. If they are wondering what propane can do to benefit their operation, these engines are a very good example."

These new engines are

now available from distributors Industrial Irrigation, KEM Equipment, Flint Power and Western Power Products, as well as many of these companies' dealers.

For more information about Origin Engines, visit [www.originengines.com](http://www.originengines.com). For more information about propane use on the farm and the Propane Education & Research Council, visit [www.propane.com](http://www.propane.com).

# Heikes Named Cooperative Resources International CEO

The Cooperative Resources International (CRI) board of directors has announced Keith Heikes as the agricultural holding cooperative's next CEO. Heikes succeeds Doug Wilson, who will retire in August after 39 years with CRI.

Heikes, who previously served as chief operating officer of the cooperative's GENEX subsidiary, will now lead CRI, an organization

with more than \$189 million in annual revenue and 1,350 employees across the globe. CRI consists of brands that strive to meet the needs of individuals linked to the land through plant and animal production. Brands that are part of CRI include GENEX, AgSource, MOFA Global, Central Livestock and Farm Systems.

"We are excited to have Keith step into this import-

ant leadership role," said John Ruedinger, CRI chairman and dairy producer from Van Dyne, Wisconsin. "He is a strong leader with an extensive background in cooperative leadership and experience in both domestic and global marketing. We know Keith will uphold the CRI mission of being the global leader delivering excellence, innovation and value to our members and

customers."

Prior to this new appointment, Heikes spent 36 years in the cattle genetics and artificial insemination industry. He served as the chief operating officer for GENEX predecessor NOBA, Inc. and then led the development of CRI's global marketing program. In 2014, he was named GENEX chief operating officer and led the cooperative through exceptional market

share growth.

During his career, Heikes has served on numerous industry councils and boards including serving as chairman of the National Association of Animal Breeders.

As a Kansas native and Kansas State University graduate, he was recognized with the 2017 Kansas Dairy Leader Award.

# K-State's Kansas River Valley Experiment Field to host field day August 8 in Rossville

Crop production including starters and late N application, field crop pest activity happening now and in the future, getting the most from your drone, and the learning curve during the first year of Xtend soybeans are the topics of the River Valley Field Day to be held in Rossville on Tuesday, August 8. The event will begin at 5 p.m. sharp. The field

is one mile east of Rossville on U.S. Hwy. 24 on the south side of the road. The group will also tour and look at the results to the many trials and experiments being run at the K-State Research and Extension Kansas River Valley Experiment field.

The schedule will be as follows:

Dr. Gary Pierzynski — Welcome

Dr. Dorivar Ruiz Diaz, Extension Specialist, Soil Fertility- Starters and Late N application.

Dr. Jeff Whitworth and Dr. Holly Schwarting, Entomology- Field Crop Pest Activity Happening Now and in the Near Future.

Ashley Lorence and Andy Newsum, Graduate Students, Precision Agriculture- Getting the Most from Your Drone Experience.

Dr. Dallas Peterson, Weed Science - The Learning Curve During the First Year of Xtend Soybeans.

To pre-register for the catered BBQ meal sponsored by Wilbur-Ellis, call Michelle Wilson at the Shawnee County Extension Office at 785-232-0062, ext. 100 by 5:00 p.m. on Monday, August 7. Or email [lrussell@ksu.edu](mailto:lrussell@ksu.edu).

# Trials show success in feeding U.S. grains to Vietnamese catfish

U.S. sorghum and corn may be on the menu soon for Vietnamese catfish, thanks to recent feeding trial results from the U.S. Grains Council (USGC).

Vietnam produced an estimated 1.2 million tons of catfish in 2014, requiring an estimated 2.4 million tons of compound feed, traditionally sourced from locally available cassava. However, the demand for cassava for aquaculture, swine and even fuel ethanol production has risen significantly while domestic production has not increased in the last five years, leading to concerns about supply and price.

"Fish is the one of the most affordable protein sources in the Southeast Asia region," said Manuel Sanchez, USGC assistant director for South and Southeast Asia. "Aquaculture is a key sector primed for potential import growth, providing U.S. feed grains a substantial market opportunity."

To test the viability of substituting sorghum or corn for cassava, the Council recently concluded in-country feeding trials for Pangasius, a medium-large to very large catfish species native to Southeast Asia that is also called basa fish or bocourti.

The trials were conducted at a private research farm in

Vietnam and compared diets based on sorghum (20 percent inclusion rate), corn (10 percent inclusion rate) or cassava (15 percent inclusion rate). They concluded both grains could replace cassava as a source of starch for feeding Pangasius.

Results showed no difference between the sources of starch on growth performance, fillet color or physical properties of feed pellets (density and floatability). Beyond starch, sorghum is also low in tannins and contains higher protein (more than 10 percent versus 2.5 percent) and amino acids (similar to corn) than cassava, particularly tryptophan and threonine.

The new data will bolster local efforts the Council is undertaking to promote corn and sorghum for new uses, like in aquaculture.

"Both grains - sorghum and corn - can be used for feeding catfish, but limited research on doing so is available," Sanchez said. "This report helps fill a need for information about feeding sorghum and corn to Vietnamese catfish as a substitute for cassava."

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## 2-DAY AUCTION

**FRIDAY, JULY 14, 2017 — 4:00 PM**  
**SATURDAY, JULY 15, 2017 — 9:00 AM**  
Sale Location: Auction Palace, 3127 US 24 Highway, BELOIT, KS

**SELLING FRIDAY, JULY 14 Starts at 4:00 PM**

**MISCELLANEOUS sells at 4 PM**  
Step stools; sewing material; wicker baskets; table radios; books; games; 45 records; silverware in chest; 7 new Crayola boxes, full; hand garden cultivator; Sears metal detector; wood step ladder; 4 sets metal shelves; mixing bowls; asst. cooking utensils; 3-step step stool; VCR; old records; table & floor lamps; quilt rack; paper shredder; glasses & dishes; magazine racks; tool set; Dole 300 grain moisture tester; radios; (2) 2-drawer file cabinets; Hoover upright vacuum cleaner; new pair of blue overalls; Pursuit exercise bike; 4 wall spoon holders.

**HOUSEHOLD GOODS sells at 7 PM**  
GE white side by side refrigerator freezer; GE white automatic washer w/matching elec. dryer; GE upright freezer; Whirlpool chest type freezer; fruitwood queen size 5pc. bedroom suite, box springs, mattress; new style roll top desk; round table w/4 roll around chairs; microwave stand; walnut 5-shelf dining cabinet; 2 dropleaf dinette tables; bar stools; maple china hutch; green cloth recliner; gray cloth recliner; white arm rocker; roll away bed; console radio record player; cedar chest; 6-drawer chest of drawers; bookshelf; 4 dining chairs; sliding glass door china hutch; new style curved glass china hutch; 4 section bookcase; walnut china hutch; oak glass door china hutch; 5-shelf bookshelf; (2) 4-drawer chests; home office desk; 2 beige recliners; console sewing machine; Toshiba 32" TV; LG 48" TV; 6 rockers & recliners.

**COINS Sell at 6:00 PM**  
11 Silver Dollars; 35 Walking Half Dollars; 24 Washington Quarters 1932-45; 45 Washington Quarters 1946-39; 12 Liberty 5 Cent Pieces 1883-1913; 46 Franklin Half Dollars; 26 Kennedy Half Dollars; 46 Mercury Dimes; 75) 1941 Lincoln Cents; 40 Jefferson Nickels 1938 and newer; 50 Silver Dimes 1946-59; 21 Indian Head Cents 1864-1907; 13 Buffalo Nickels 1926-37; 31 Mercury Dimes 1916-45; 75 Lincoln Cents 1909-1940; Wartime Coinage Set; Lincoln Memorial Coin Plaque; Silver Story w/Silver Certificate, Silver Dollar, Nickel & Dime; 1937 Jefferson Nickel Partial Book; 20) 25 Dollar rolls of Gold Dollars; 41 Ten Dollar rolls of Quarters; 4 Two 2 Dollar rolls of Nickels; 60 Presidential Collection US Dollar Series; 3 Foreign Coin Packs; 5 like Dollars; 4) 1964 Kennedy Half Dollars; 13 Clad Kennedy Half Dollars; H-4100 Fireproof Safe.

**SELLING SATURDAY, JULY 15 Starts at 9:00 AM**

**GUNS Sell at 12:00 noon**  
Remington mdl 732 243 Woodmaster Auto rifle w/Weaver scope; Ruger mdl 10-22 .22 Auto rifle w/Tasco scope; Winchester mdl 74-22 Automatic rifle; Remington 12ga. Field Grade pump shot gun; Bel-

gium made SXS 12ga. shot gun; (2) 12 ga. single shot shotguns; King 500 shot BB gun.

**DIAMOND RINGS**  
Woman's Diamond wedding ring & Diamond ring; Men's Diamond ring.

**ANTIQUES Sell at 9:00 AM**  
3 pc. bow front bedroom suite; Serpentine 5-drawer chest; 2 dr. commode; White wood high chair; Oak dresser w/mirror; child's Bentwood chair; Waterfall buffet; walnut marble insert dresser w/mirror; Oak hall tree; Oak wall telephone; 2 iron kettles; sausage stuffer; child's trunk; flat top trunk.

**PRIMITIVES**  
Wood butter mold; Oak 2-drawer dresser; 10 gal. cream can; 2 gal. cream can; marbles; Kraut Cutter; IHC cream separator w/bowl & parts; folding Browning camera; oil heater; 1884 & 1908 Jewell County Atlases; 1921 Jewell County Plat Book; State Exchange Bank thermometer; graniteware; Phonocone record player; Radio Flyer wagon, NIB; refrigerator dishes; china Christmas tree; old phonograph speaker horn; oil stove reservoir; Carlson Hybrids sign; cistern wheel; #40 Dazey churn; sadd irons; sev. oil lamps, gas & nickel base; 2 burner oil hot plate; old Bible record player; cedar chest; 6-drawer chest of drawers; bookshelf; 4 dining chairs; sliding glass door china hutch; new style curved glass china hutch; 4 section bookcase; walnut china hutch; oak glass door china hutch; 5-shelf bookshelf; (2) 4-drawer chests; home office desk; 2 beige recliners; console sewing machine; Toshiba 32" TV; LG 48" TV; 6 rockers & recliners.

**CRACKS**  
2 gal. Red Wing; (2) 6 gal. Red Wing; 4 gal. Ruckles; 6 gal. butter churn.

**GLASSWARE**  
50 pcs. green Depression glass; Hens on Nests; HP plates, bowls; lg. china & glass shoe collection (sev. 100); sev. 100 china flower baskets; sev. Fenton pcs.; Carnival & Vaseline glass; set of Bohemian china, 17 red glass pcs.; character glasses; 800 pcs. Fiesta Ware, 100s pcs. inc. plates, coffee pot, serving pcs, 13 colors; handpainted chocolate set, Austria Victoria pitcher, 6 cups & saucers; 3 crystal vinegar cruets; Gorham creamer & sugar; Westmoreland bowl; salt & pepper shakers; footed compote; England set of china; Search Light recipe book; Reaper picture; old story books; soap jar.

**AUCTIONEER'S NOTE: There are many more items yet to be found. Viewing will be Thursday, July 13 and all day Friday, July 14**  
Terms: Cash - Nothing removed until settled for - Not responsible for accidents

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## Yard & Garden Tips By Gregg Eyestone

### The Bad Bugs

There are two insects that one needs to become informed about that may invade the landscape. Japanese Beetles are increasing in occurrences and Emerald Ash Borer is getting closer. Most insects are of interest but don't require too much management. These two insects are more problematic.

Adult Japanese beetles are approximately 7/16-inch long and metallic green with coppery wing covers. They sport a series of white dots made up of tufts of hair that project from under the edges of the wing covers on the back half of the insect. This characteristic is used to distinguish Japanese beetles from other similar beetles. Japanese beetles feed on leaves, flowers and wounded or mushy fruit on 300 species of plants.

The adult beetles can be

killed by shaking the beetles from the plant into a jar or bucket containing soapy water. This is best done in the morning when the insects are sluggish. There are several insecticides that can be applied for management.

Emerald Ash Borer is confirmed to be in Shawnee County. Adults are small (1/2 inch long), slender insects with emerald-green bodies. The borer larvae can reach 1.25 inches and are white to creamy white with brown heads. The body of the larva has ten segments and has a pair of brown, pincer-like appendages on the final segment. All species of ash in North America can be killed including green, white and black.

A tree with active feeding is hard to identify early. Woodpecker feeding, bark splitting, tree canopy thin-

ning, and trunk sprouting are signs of tree injury. It may be from the borer or other issues.

Though this insect is attracted to stressed ash trees, it can and does kill perfectly healthy specimens. Infected trees cannot be saved. High value trees can be protected with insecticide treatments to prevent infection. Treatments would be every two years for the life of the desired tree.

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

## NCGA comments on EPA's proposed 2018 Renewable Volume Obligation

The following is a statement from Texas farmer Wesley Spurlock, president of the National Corn Growers Association, in response to the announcement by the U.S. Environmental Protection Agency (EPA) of the proposed 2018 renewable volume obligation (RVO) under the Renewable Fuel Standard (RFS).

"We are pleased to see EPA pick up where last year's RFS rulemaking left off and propose a rule that keeps the RFS on track for conventional ethanol production. EPA's proposal is good for farmers who are facing tough economic times and good for consumers who want affordable fuel choices that give us a cleaner environment.

"The Renewable Fuel Standard has been a resounding success: cleaner air, greater energy independence, and stronger rural communities. We call on the EPA to keep

the RFS moving forward in line with the law and in a timely manner. Doing so will bring greater stability and certainty to the marketplace and spur increased investment in renewable fuels.

"NCGA will continue working with both public and private sector partners to grow our national fuel infrastructure so that consumers around the world will have greater access to cleaner-burning renewable fuels.

"In the coming weeks, EPA needs to hear from all of us. If you want cleaner air, a stronger farm economy and vibrant rural communities, and greater energy independence, stand up for the Renewable Fuel Standard. Tell EPA thank you for proposing the RVO at the statutory level for conventional fuels, and ask EPA to support a growing biofuels sector and stronger RFS when issuing the final rule in the fall."

## Value, convenience drive U.S. pork demand in South Korea

According to the U.S. Meat Export Federation (USMEF), one of this year's top-performing international markets for U.S. pork has been South Korea, where exports through April are up 28% year over year in volume (to 65,743 metric tons) and up 37% in value (to \$178 million).

Jihae Yang, USMEF director in Korea, said the

country went through some political turmoil earlier this year with the impeachment of its former president, but consumer confidence and economic activity bounced back quickly.

"There is no impact in terms of pork demand or pork consumption, which is good," Yang said, adding that demand is strong for high-protein meals.

Yang also noted that although Korea's domestic pork production is steady, it is not keeping pace with growing consumer demand

for pork.

Online shopping is extremely popular with Korean consumers, especially those looking for convenient foods and home meal replacement items, according to Yang. This bodes particularly well for U.S. processed pork as well as for U.S. raw materials exported to Korea for further processing.

"Korean people are using more and more online shopping malls, and Korea is a small country, so everything is delivered overnight; many stores are going toward e-commerce," Yang said.

She said single households and the younger generation are looking for convenient food and whole meal replacements, which is benefitting sales of U.S. processed pork. "So, we do a lot of promotion with the key e-commerce platform," Yang added.

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- 80 Mix Strs..... 750-850 lbs. .... Off Brome
- 235 Blk X Strs ... 725-825 lbs.
- 80 Blk X Hfrs..... 750-825 lbs.

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SPECIAL FALL CALF SALE  
Wednesday, August 2

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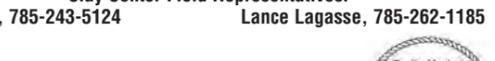
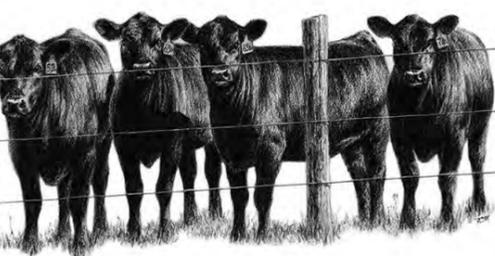
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• 60 blk red & Char strs, 800-850 lbs

EARLY CONSIGNMENTS FOR JULY 19th  
• 103 blk & red hfrs, 800-850 lbs  
• 6 blk red & Char strs, 800-850 lbs  
• 420 blk hfrs, 800-875 lbs  
• 90 blk & Char hfrs, 825-900 lbs  
• 74 blk & red hfrs, 850-900 lbs

EARLY CONSIGNMENTS FOR JULY 26th  
• 275 blk hfrs, 825-900 lbs  
• 700 blk & red hfrs, 825-900 lbs  
• 275 blk red & Char strs, 850-950 lbs

EARLY CONSIGNMENTS FOR AUG. 2nd  
• 180 blk red & Char hfrs, 775-825 lbs  
• 283 blk red & Char strs, 800-850 lbs  
• 300 blk hfrs, 800-875 lbs  
• 50 blk & red strs, 850-900 lbs  
• 55 blk & red strs, 850-925 lbs  
• 174 blk & bwf strs, 875-925 lbs  
• 110 blk & red strs, 900-950 lbs



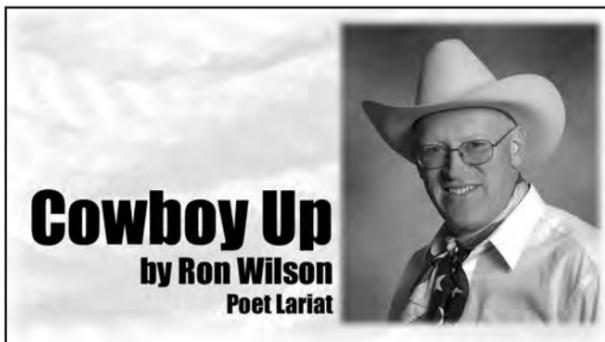
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**Cowboy Up**  
by Ron Wilson  
Poet Lariat

## DVM two ways

She walked onto the stage as her name was called. They placed a colored sash over her head and she stepped forward to receive her diploma. On this day, she and her classmates were declared Doctors of Veterinary Medicine.

This is our oldest daughter. In a previous column, I described how she was overcoming obstacles to pursue her dream of a veterinary career. I am thrilled to report, in spring 2017, she received her DVM degree from K-State.

Veterinary school is a long haul, as I have observed from a safe distance. First there is the tension and excitement of becoming admitted or of qualifying early. Then there is the adjustment to the regimen of long hours of study. The novelty of year one gives way to the “-ologies” of year two, where they learn about various diseases and pathologies. Then the students slog through year three. My daughter was pleased to get to year four, where they transitioned from the classroom into the clinic

and could work directly with real animals and real people. Then there was the pressure and relief of passing the national licensing examination, which is kind of like a lawyer passing the bar exam. On May 12, 2017, she got her DVM.

Our daughter is continuing, or maybe renewing, a family tradition. Two of my uncles were K-State veterinarians (All that intelligence skipped my generation and landed on her). Growing up on our ranch, she was always interested in large animals. She enjoyed beef cattle and showed a dairy heifer in 4-H. In vet school, she took a dairy rotation in Minnesota – in January! From this experience, she learned two things: One, she likes dairy practice, and two, she doesn't like cold weather.

But I think beef practice is really her first interest, and she loved her large animal work. This spring I realized it was my last shot at free vet service, so I invited her out to preg-check cows (My apologies to the Division of Animal Health

if this is practicing without a license). She enjoyed it and did a good job. Clearly, she has learned her lessons well.

As she pondered her future, she applied to several places, including the North Carolina State University School of Veterinary Medicine which had an open ruminant health position. She was selected! We are excited three ways: 1. She is excited to continue her work with large animals, 2. I am excited that she is going to experience agriculture in a different part of the country, and 3. her mother is excited that this is only a one-year position so she won't be away from us too long.

In my previous column about her, I wrote about our family tradition of my wife giving her special treats during finals week. This family recipe from my wife's mom seemed to carry my daughter through all her tests with flying colors (I suppose her smarts and studying had something to do with it also). As some readers have requested, here is the recipe for these magic treats:

### Mom's Chocolate Rice Krispie Treats

12 oz. butterscotch chips, 1 c. peanut butter, 8 c. rice krispies, 12 oz. chocolate chips, 2 T butter, 2 T water, 1 c. powdered sugar.

Melt butterscotch chips and peanut butter together. Pour melted mixture over rice krispies and mix. Press ½ into 9x13 pan and refrigerate. Melt together chocolate chips, butter, and water. Add powdered sugar. Spread on top of first layer. Put remaining mixture on top.

These are guaranteed to get you through your exams – or at least make you happy while you take them.

We are proud and thankful for our daughter. She's a DVM two ways: A Doctor of Veterinary Medicine, and a Daughter Very Much-loved.

# Kansas wheat harvest mixed amid disease, storm damage

The 2017 winter wheat harvest has been a mixed bag for Kansas so far as farmers race to bring in the crop amid damaging spring storms that have pounded some crops with hail.

Justin Gilpin, chief executive officer for the industry group Kansas Wheat, says fields around Norton and Goodland in northwest Kansas were hit by hail earlier this week. That comes on the heels of a lot of hail recently around Garden City and Deerfield in southwest Kansas.

A common theme with this year's wheat crop has been variability. Yields have ranged from ten to 70 bushels per acre. Protein levels have gone up in heat-stressed crops in western Kansas. But hail has also destroyed some crops and some fields had so much disease they were not harvested.

# Great Bend transload facility now open

(AP) – After fierce competition across the state, a new transload facility has opened in Great Bend.

A ceremony last Thursday officially opened the project, which allows trains to drop off their cargo for trucks and vice versa.

The Kansas Department of Transportation

led the effort to establish two transload facilities. The state received 111 site applications and the facilities were eventually awarded to Great Bend and Garden City, which has already opened its facility.

The *Hutchinson News* reports the state contributed \$3 million to the \$8 million project, with another

\$360,000 in federal funds and funding from private industry.

The transportation department said the facility is storing wind energy components but will be ready for aggregate material and cement within a month. It has brought 13 jobs to Great Bend.

# USDA proposes changes to beef quality grading

USDA's Agricultural Marketing Service (AMS) is proposing a revision to the U.S. Standards for Grades of Carcass Beef. The revision would include dentition and documentation of actual age as additional methods of classifying maturity of carcasses for quality grading.

Currently, the beef standards only include skeletal and muscular evidence as a determination of maturity grouping. The proposed change would allow carcasses of grain-fed steers and heifers determined to be less than 30 months old either by dentition or by documentation of actual age to be included in the youngest

maturity group for carcasses recognized as “beef” (A maturity).

A notice of the proposed change was published in the Federal Register on June 19. AMS will accept comments until August 18,

2017. To read the Federal Register notice, go to <http://tinyurl.com/6-19Federal-Register>. TCFA's previous comments are available at <http://tinyurl.com/2016-10-28-AMS-Comments>.

## Best Vet Yet

By Ron Wilson, Poet Lariat

It was a lot of joy, as anyone can see: The day our daughter got her DVM degree. Veterinary medicine had been her lifetime goal, And a large animal practice was indeed her choice of role. When she was just a baby, I'd take her out to check a cow, And with lots of work and study, she does it scientifically now. It started when she qualified for early admission, And went on to get her degree, continuing a family tradition. So we're mighty proud of her and the knowledge she is carryin'. The newest DVM, our daughter, the veterinarian. Happy Trails! [www.ronscowboypoetry.com](http://www.ronscowboypoetry.com) © Copyright 2017

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STEERS		HEIFERS	
711	159.50	834	130.50
821 unweaned	138.00	669	145.00

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**Cattle-Sheep-Goat Sale: Friday, July 21**

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Horse/Tack Auction- Every 1st Saturday

Sat., July 15th- Hog/Sheep/Goat Sale

Tues., July 25th- Holstein Special

Sat., Aug. 5th- Horse & Tack Sale

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Market Report - No Sale July 6

**EARLY CONSIGNMENTS FOR JULY 13TH • 11 AM**  
**EXPECTING 1,000 TO 1,250 HEAD!**

- 200 black heifers, 750-775 lbs.
- 100 mixed heifers, 800 lbs.
- 68 mixed heifers, 725 lbs.
- 65 mixed heifers, 750 lbs.

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

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**NO SALE JULY 6**

**EARLY CONSIGNMENTS FOR JULY 13 (FANCY)**

- 200 bkbwf str & hfrs, 600-850 lbs, weaned 70 days, triple vac.
- 150 blk bwf rbf str & hfrs, 500-700 lbs, Fall calves
- 180 mixed str & hfrs, 700-1000 lbs.
- 100 packer cows

**EARLY CONSIGNMENTS FOR JULY 20**

- 500 blk Char red str & hfrs, 700-950 lbs, off the grass

**EARLY CONSIGNMENTS FOR JULY 27**

- 600 blk red Char str & hfrs, 700-1,050 lbs, off the grass

We appreciate your business!

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Home Phone - 620-583-5385  
Mobile Cell 620-750-0123

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

## Fair and rodeo to kick off in Coffeyville

Coffeyville's been doing it for over 100 years, and they're doing it well. For the 109th year, the Inter-State Fair and Rodeo will kick off in Coffeyville, Kansas August 12-19.

The fair and rodeo features eight nights of grandstand entertainment, plus plenty of things to do during the day: livestock shows and exhibits, carnival, parade, free bean and watermelon feed, fair food, and so much more!

The eight nights of grandstand entertainment include the demo derby on Sat., August 12; the Lucas Oil Tractor Pull on Sun., August 13; the Grandstand Jam, featuring LOCASH and Caney native Jared Daniels on Mon., August 14; the LJ Jenkins Bull Riding on Tues., August 15, and four nights of PRCA rodeo August 16-19.

Coffeyville native Debbie Carter has gone to the fair and rodeo her whole life, and as owner of Carter Automotive, her business has sponsored the demo derby for the last 24 years. Her favorites are the demo derby, and the food. "I like walking through the livestock and fair exhibits, and I like fair food." She especially enjoys the Shriners root beer floats. "That's something you don't want to miss."

The fair and rodeo is beneficial for the community as well, Carter said. "It brings in a lot of people, and I think during that week there's a lot of pride in the community. It brings us together for a common cause." It's also a time to slow down and visit with friends. "We see people we haven't seen all year. Everybody gathers outside the stadium, at the carnival. It's the place to see and be seen."

A fun pass ticket, good for all eight nights of grandstand entertainment, is available for \$40 through July 31; on August 1, the price goes up to \$50. Tickets for each night range in price from \$15 to \$35, depending on the seats and the event.

The parade takes place at 4 pm on August 16 through downtown Coffeyville, followed by a bean feed and watermelon feed at 5:30 pm at Walter Johnson Park. The Buddy Barrow Show is August 18 at 6:30 pm in the show arena. The junior market livestock sale is August 19 at 4:30 pm.

For a complete schedule of events and to purchase tickets, visit [www.fairandrodeo.com](http://www.fairandrodeo.com). Tickets can also be purchased at the Coffeyville Area Chamber of Commerce (807 Walnut Street).

## Shivers receives donation from Dickinson County cancer fund

Ron Shivers hasn't missed many nights of the Abilene rodeo.

Whether it was in the stands, watching his favorite event, the bull riding, or helping out as a member of the Central Kansas Free Fair board, he was there.

He believes in giving back, and for him, serving on the fair board for fifteen years was a way to give back to the community of Abilene.

And the community was able to give back to him, in a way.

When the 79-year-old was diagnosed with cancer a year ago, he ended up going through six cycles of chemotherapy, three times a week, for six weeks. That was followed up with 35 days of radiation. Five days a week for seven weeks, he made the 30 mile trip to the hospital in Salina.

And when funds ran a bit low, the Elsie Brooks Memorial Cancer Fund was there, to help with mileage expenses.

The Fund, which was begun in 1993 by Brooks, a Dickinson County Resident, provides monies to cancer patients who live in Dickinson County. Monies are not restricted due to income.

Shivers believes in giving back. He was raised on a dairy farm northwest of Abilene, and in 1982, began in the auction business. He drove truck for a few years, and then added real estate and appraisal services to his auctioneering.

He's glad that he could volunteer on the fair board for fifteen years. He did it, in part, to pay back the community "for supporting my auction business," he said. "You get a lot out of the community, and they help you, and then it's time to give something back to them."

He also volunteered



Ron Shivers, shown with his wife Doris, has benefitted from the Elsie Brooks Memorial Cancer Fund. The Abilene man has served on the Central Kansas Free Fair board and loves the Abilene rodeo.

with the fair board because he loves rodeo. "I've been going to rodeos all my life," he said. His family goes with him, but when it rains, they head for the car. Not him. "I've sat a few times in the rain, out there, and the family all left me."

The money he received from the Elsie Brooks Fund was "a godsend," Shivers said.

The Wild Bill Hickok Rodeo contributes donations to the Elsie Brooks Fund through its annual Tough Enough to Wear Pink night on August 4. Fans are asked to wear pink; rodeo committee members, volunteers, and cowboys and cowgirls will be in pink. Voluntary donations will be accepted for the Elsie Brooks Fund that night. Since the partnership began in 2008,

over \$28,000 has been raised for the Fund.

In June, doctors found no sign of the cancer. He and his wife Doris, who have been married 44 years, live in Abilene.

The Wild Bill Hickok Rodeo runs August 2-5 and begins at 7:30 pm each night. Tickets range in price from \$7 to \$13 and can be purchased online at [www.ckff.net](http://www.ckff.net), at the fairgrounds, and at area retailers.

For more information on the Elsie Brooks Cancer Fund, contact Chris Ostermann at 785-479-3749. For more information on the Wild Bill Hickok Rodeo, visit the rodeo's website at [WildBillHickokRodeo.com](http://WildBillHickokRodeo.com) or call the Central Kansas Free Fair office at 785-263-4570.

### Grass & Grain Weather Report July 11, 2017

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook																																																								
<b>TUESDAY</b> Mostly Sunny High: 95 Low: 75	Today we will see mostly sunny skies, high temperature of 95°, humidity of 43%. South wind 6 to 9 mph. The heat index for today could reach up to 98°. The record high temperature for today is 109° set in 1980. Expect partly cloudy skies tonight, overnight low of 75°.	Washington 89/74 Blue Rapids 94/76 Seneca 92/75 Clay Center 95/76 Manhattan 95/75 Wamego 94/76 Ogden 97/74 Junction City 94/75 Abilene 96/76 Council Grove 94/74																																																								
<b>WEDNESDAY</b> Partly Cloudy High: 94 Low: 75	<b>Last Week's Almanac</b> <table border="1"> <thead> <tr> <th>Date</th> <th>Hi/Lo</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr> <td>6/30</td> <td>83/64</td> <td>90/66</td> <td>0.34"</td> </tr> <tr> <td>7/1</td> <td>89/57</td> <td>90/66</td> <td>0.00"</td> </tr> <tr> <td>7/2</td> <td>88/64</td> <td>91/66</td> <td>0.00"</td> </tr> <tr> <td>7/3</td> <td>89/70</td> <td>91/67</td> <td>0.00"</td> </tr> <tr> <td>7/4</td> <td>83/70</td> <td>91/67</td> <td>0.00"</td> </tr> <tr> <td>7/5</td> <td>90/63</td> <td>91/67</td> <td>0.00"</td> </tr> <tr> <td>7/6</td> <td>95/64</td> <td>91/68</td> <td>0.00"</td> </tr> </tbody> </table>	Date	Hi/Lo	Normals	Precip	6/30	83/64	90/66	0.34"	7/1	89/57	90/66	0.00"	7/2	88/64	91/66	0.00"	7/3	89/70	91/67	0.00"	7/4	83/70	91/67	0.00"	7/5	90/63	91/67	0.00"	7/6	95/64	91/68	0.00"																									
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<b>THURSDAY</b> Partly Cloudy High: 93 Low: 74	<b>This Week's Sun &amp; Moon Chart</b> <table border="1"> <thead> <tr> <th>Last</th> <th>Day</th> <th>Sunrise</th> <th>Sunset</th> <th>Moonrise</th> <th>Moonset</th> <th>First</th> </tr> </thead> <tbody> <tr> <td>7/16</td> <td>Tuesday</td> <td>6:10 a.m.</td> <td>8:53 p.m.</td> <td>10:35 p.m.</td> <td>8:30 a.m.</td> <td>7/30</td> </tr> <tr> <td></td> <td>Wednesday</td> <td>6:11 a.m.</td> <td>8:53 p.m.</td> <td>11:10 p.m.</td> <td>9:29 a.m.</td> <td></td> </tr> <tr> <td></td> <td>Thursday</td> <td>6:11 a.m.</td> <td>8:52 p.m.</td> <td>11:43 p.m.</td> <td>10:29 a.m.</td> <td></td> </tr> <tr> <td></td> <td>Friday</td> <td>6:12 a.m.</td> <td>8:52 p.m.</td> <td>Prev Day</td> <td>11:31 a.m.</td> <td></td> </tr> <tr> <td></td> <td>Saturday</td> <td>6:13 a.m.</td> <td>8:51 p.m.</td> <td>12:16 a.m.</td> <td>12:34 p.m.</td> <td></td> </tr> <tr> <td></td> <td>Sunday</td> <td>6:14 a.m.</td> <td>8:51 p.m.</td> <td>12:49 a.m.</td> <td>1:39 p.m.</td> <td>Full 8/7</td> </tr> <tr> <td></td> <td>Monday</td> <td>6:14 a.m.</td> <td>8:50 p.m.</td> <td>1:23 a.m.</td> <td>2:45 p.m.</td> <td></td> </tr> </tbody> </table>	Last	Day	Sunrise	Sunset	Moonrise	Moonset	First	7/16	Tuesday	6:10 a.m.	8:53 p.m.	10:35 p.m.	8:30 a.m.	7/30		Wednesday	6:11 a.m.	8:53 p.m.	11:10 p.m.	9:29 a.m.			Thursday	6:11 a.m.	8:52 p.m.	11:43 p.m.	10:29 a.m.			Friday	6:12 a.m.	8:52 p.m.	Prev Day	11:31 a.m.			Saturday	6:13 a.m.	8:51 p.m.	12:16 a.m.	12:34 p.m.			Sunday	6:14 a.m.	8:51 p.m.	12:49 a.m.	1:39 p.m.	Full 8/7		Monday	6:14 a.m.	8:50 p.m.	1:23 a.m.	2:45 p.m.		
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<b>FRIDAY</b> Sunny High: 90 Low: 71	<b>Local UV Index</b> 0-2: Low, 3-5: Moderate, 6-7: High, 8-10: Very High, 11+: Extreme Exposure																																																									
<b>SATURDAY</b> Sunny High: 86 Low: 67	<b>Weather History</b> July 11, 1987 - Early morning thunderstorms produced wind gusts to 90 mph at Parkston, S.D. and wind gusts to 87 mph at Buffalo, Minn. Later in the day, strong thunderstorm winds at Howard, Wis. collapsed a circus tent, injuring 44 people.																																																									
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<b>MONDAY</b> Mostly Sunny High: 89 Low: 70																																																										

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- 60 black steers, 875-900 lbs., off grass
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- 200 black steers, 850-900 lbs., off grass
- 120 black steers, 950-1,000 lbs., off grass

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