

Long-term study shows crop rotation decreases greenhouse gas emissions

Many farmers grow corn and soybean in rotation to avoid the continuous corn yield penalty, but now there's another reason to rotate. Scientists at the University of Illinois have provided further evidence that rotating crops increases yield and lowers greenhouse gas emissions compared to continuous corn or soybean.

"I think farmers in today's world are looking for reasons to avoid growing in a monoculture. They're looking to diversify and rotate their systems. If they're doing that partially out of a concern for the environment, well, it lowers greenhouse gases. And it could potentially result in a substantial yield increase," says Gevan Behnke, research specialist and doctoral candidate in

Maria Villamil's research group in the Department of Crop Sciences at U of I.

There are other studies out there looking at the link between crop rotation and greenhouse gas emissions, but Behnke's study is unique in a couple of ways. First and most significantly, he sampled greenhouse gas emissions from fields that had been maintained as continuous corn, continuous soybean, rotated corn-soybean, or rotated corn-soybean-wheat, under tillage and no-till management, for 20 years.

"These long-term plots are very stable systems. Sometimes you don't see the impacts of rotation or tillage for years after those practices are imposed. That's one of the highlights of this study,"

Behnke says.

Comparing the corn phase of a corn-soybean rotation to continuous corn showed an average yield benefit of more than 20 percent and a cumulative reduction in nitrous oxide emissions of approximately 35 percent.

Nitrous oxide is an extremely potent greenhouse gas, with a global warming potential—how much heat a greenhouse gas traps in the atmosphere—almost 300 times higher than carbon dioxide. It is a byproduct of the process of denitrification, during which bacteria in the soil break nitrate down into inert nitrogen gas. Not surprisingly, nitrous oxide emissions are tied to the rate and timing of nitrogen fertilizer application.

"Nitrous oxide levels

were high at the beginning of the season and lower at the end. Farmers usually apply fertilizer in the spring and it gets taken up by the crop throughout the season," Behnke says. "A typical farmer would expect these results."

For soybean, which doesn't get fertilized, rotation did not affect nitrous oxide emissions compared to continuous soybean. Rotation did increase soybean yield by about 7 percent, however.

Tillage did not impact greenhouse gas emissions, but the practice gave corn an edge of about 15 bushels per acre over corn in no-till management. Behnke says that effect may not apply to farms outside the study area, however. That's because of the other unique aspect of the re-

search: the location.

The study was conducted at the Northwestern Illinois Agricultural Research and Demonstration Center near Monmouth. With some of the most productive soils in the world, Behnke says corn yields are higher there than almost anywhere else. And greater yields mean more surface residue.

"If you talk to people that work at the Monmouth research center, they'll say it's sometimes difficult to plant into the long-term no-till. It's like planting into thick mulch," Behnke says. "Other places aren't as blessed when it comes to biomass and organic matter return to the soil." He adds that other studies comparing tillage and no-till management in corn don't typically show large

differences in terms of yield.

The article, "Long-term crop rotation and tillage effects on soil greenhouse gas emission and crop production in Illinois, USA," is published in *Agriculture, Ecosystems and Environment* [DOI: 10.1016/j.agee.2018.03.007]. Behnke's co-authors include Stacy Zuber, Cameron Pittelkow, Emerson Nafziger, and Maria Villamil, all of whom were in the Department of Crop Sciences in the College of Agricultural, Consumer and Environmental Sciences at U of I at the time of publication. Funding for the research was provided by the USDA's National Institute of Food and Agriculture (2011-68002-30190).

Oklahoma ranchers learn to address wild hog overpopulation

(AP) - John Zelbst has been at war at his ranch near Meers.

Wild hogs - vicious animals with an appetite for corn and a penchant for destruction - have made their way into the Oklahoma wilderness and have run amok unchecked by any natural predator. The invasive species tears up the ground, destroys fences and other structures, kills livestock and has

driven many farmers, like Zelbst, to their wits end.

"We were having ranch employees work on the problem to trap and kill them as much as we could," he said. "It's so bad, they wore us out. It took so much manpower to trap them that they beat us. They won."

Zelbst isn't alone. The wild hog is a scourge upon the land that has left many farmers, ranchers and

landowners throwing up their arms in complete defeat. In an effort to help alleviate the situation, the Great Plains Technology Center, with coordination by Agri-Business Management Coordinator Clint Janda, recently hosted an outreach meeting organized by the Comanche County, Cotton County, South Caddo County and Tillman County Conservation Districts. Josh Gas-

kamp, a researcher at the Noble Research Center and the main speaker of the meeting, talked to the packed crowd about how there's a good chance everything they know about addressing the wild hog problem could be wrong, the *Lawton Constitution* reported.

"If you're going to catch more pigs, you have to use multiple techniques," he said. "But many of these techniques that are being implemented may be doing more harm than good."

Gaskamp detailed the epidemic that the men and women in the room were facing. To help make the pork market more efficient, the pork industry genetically targeted the largest breeds of pigs that reproduced quickly and grew rapidly. Dubbed the "super hog," Gaskamp said humans created their own worst nightmare by

trying to ensure everyone has a ham on the table for Christmas and Easter and bacon on the plate in the morning alongside their eggs. These pigs have no natural predators aside from humans and can adapt to survive in just about any situation.

"There's not a habitat that you can put a pig in where it won't survive," he said.

So how did this plague begin? Zelbst said hogs were introduced into this part of the state by individuals who raised them as pets or for food and simply let them go. Others, as Gaskamp said, escaped from farms. Genetically chosen to breed quickly, the populations exploded and one or two pigs turned into dozens, if not hundreds, within a short amount of time. They have an "opportunistic diet," which means they're

willing to eat just about anything and can survive in the harshest of conditions, such as Oklahoma summers. And they leave a path of destruction in their wake.

"They've torn up our fences," Zelbst said. "They've torn up our yards and homes. They show up where you feed cattle and tear things up everywhere."

The simplest and easiest solution is to shoot the hogs either by hunting or as they're spotted. That doesn't work, Zelbst said not really.

"You can't shoot your way out of this problem," he said. "There's just too many. They breed faster than you can kill them. That's why I'm here, to hopefully find out about new research into methods to stop them."

Grass & Grain Weather Report May 30, 2018

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook																																																																																																
<p>WEDNESDAY Scattered T-storms High: 88 Low: 69</p> <p>THURSDAY Scattered T-storms High: 89 Low: 70</p> <p>FRIDAY Sunny High: 93 Low: 74</p> <p>SATURDAY Mostly Sunny High: 98 Low: 79</p> <p>SUNDAY Sunny High: 94 Low: 75</p> <p>MONDAY Mostly Sunny High: 89 Low: 70</p> <p>TUESDAY Partly Cloudy High: 85 Low: 66</p>	<p>Today we will see partly cloudy skies with a 55% chance of showers and thunderstorms, high temperature of 88°, humidity of 54%. South southeast wind 7 mph. The record high temperature for today is 103° set in 1998.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">Last Week's Almanac</th> </tr> <tr> <th>Date</th> <th>Hi/Lo</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr> <td>5/18</td> <td>85/59</td> <td>77/52</td> <td>0.00"</td> </tr> <tr> <td>5/19</td> <td>82/63</td> <td>77/52</td> <td>0.52"</td> </tr> <tr> <td>5/20</td> <td>64/59</td> <td>77/53</td> <td>0.00"</td> </tr> <tr> <td>5/21</td> <td>79/56</td> <td>78/53</td> <td>0.00"</td> </tr> <tr> <td>5/22</td> <td>88/63</td> <td>78/53</td> <td>0.00"</td> </tr> <tr> <td>5/23</td> <td>90/69</td> <td>78/54</td> <td>0.00"</td> </tr> <tr> <td>5/24</td> <td>91/66</td> <td>79/54</td> <td>0.00"</td> </tr> </tbody> </table> <p>Rainfall 0.52" Normal rainfall 1.13" Departure -0.61" Average temp 72.4° Average normal 65.4° Departure +7.0°</p>	Last Week's Almanac				Date	Hi/Lo	Normals	Precip	5/18	85/59	77/52	0.00"	5/19	82/63	77/52	0.52"	5/20	64/59	77/53	0.00"	5/21	79/56	78/53	0.00"	5/22	88/63	78/53	0.00"	5/23	90/69	78/54	0.00"	5/24	91/66	79/54	0.00"	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">This Week's Sun & Moon Chart</th> </tr> <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>6/6</td> <td>Wednesday</td> <td>6:03 a.m.</td> <td>8:45 p.m.</td> <td>9:48 p.m.</td> <td>7:02 a.m.</td> <td>6/20</td> </tr> <tr> <td></td> <td>Thursday</td> <td>6:02 a.m.</td> <td>8:46 p.m.</td> <td>10:39 p.m.</td> <td>7:46 a.m.</td> <td></td> </tr> <tr> <td></td> <td>Friday</td> <td>6:02 a.m.</td> <td>8:46 p.m.</td> <td>11:26 p.m.</td> <td>8:34 a.m.</td> <td></td> </tr> <tr> <td></td> <td>Saturday</td> <td>6:02 a.m.</td> <td>8:47 p.m.</td> <td>Prev Day</td> <td>9:25 a.m.</td> <td></td> </tr> <tr> <td></td> <td>Sunday</td> <td>6:01 a.m.</td> <td>8:48 p.m.</td> <td>12:08 a.m.</td> <td>10:19 a.m.</td> <td>Full 6/28</td> </tr> <tr> <td></td> <td>Monday</td> <td>6:01 a.m.</td> <td>8:48 p.m.</td> <td>12:46 a.m.</td> <td>11:15 a.m.</td> <td></td> </tr> <tr> <td></td> <td>Tuesday</td> <td>6:01 a.m.</td> <td>8:49 p.m.</td> <td>1:21 a.m.</td> <td>12:12 p.m.</td> <td></td> </tr> </tbody> </table>	This Week's Sun & Moon Chart				Last	Day	Sunrise	Sunset	Moonrise	Moonset	First	6/6	Wednesday	6:03 a.m.	8:45 p.m.	9:48 p.m.	7:02 a.m.	6/20		Thursday	6:02 a.m.	8:46 p.m.	10:39 p.m.	7:46 a.m.			Friday	6:02 a.m.	8:46 p.m.	11:26 p.m.	8:34 a.m.			Saturday	6:02 a.m.	8:47 p.m.	Prev Day	9:25 a.m.			Sunday	6:01 a.m.	8:48 p.m.	12:08 a.m.	10:19 a.m.	Full 6/28		Monday	6:01 a.m.	8:48 p.m.	12:46 a.m.	11:15 a.m.			Tuesday	6:01 a.m.	8:49 p.m.	1:21 a.m.	12:12 p.m.	
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Local UV Index

0-2: Low, 3-5: Moderate, 6-7: High, 8-10: Very High, 11+: Extreme Exposure

Weather History

May 30, 1879 - A major outbreak of severe weather occurred in Kansas and western Missouri. In Kansas, 5/18 tornadoes killed 18 people at Delpho and 30 people at Irving. Two tornadoes struck the town of Irving within a few minutes time, virtually wiping it off the map.

Growing Degree Days

Date	Degree Days	Date	Degree Days
5/18	22	5/22	25
5/19	22	5/23	29
5/20	11	5/24	28
5/21	17		

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<p>For our sale Friday, May 25th, steer and heifer calves sold with good interest at fully steady prices. Feeder steers were in short supply at steady prices while the feeder heifers sold \$5 higher. Cull cows and bulls sold \$2-\$3 higher on the kind offered.</p> <p>BULL & STEER CALVES — 450-550 lbs</p> <p>Pomona 9 blk 463@175.00 Burlingame 8 blk 463@173.00 Cummings 5 Cross 540@165.00</p> <p>BULL & STEERS — 575-975 lbs</p> <p>Platte City, MO 6 blk 635@156.00 St. George 10 blk 629@155.25 Pomona 13 Cross 592@154.50 Burlingame 8 blk 622@154.00 Leavenworth 4 blk 598@145.00 St. George 6 blk 776@140.00 Cummings 17 Cross 968@122.50</p> <p>HEIFER CALVES — 375-525 lbs</p> <p>Burlingame 5 blk 384@174.00 Winchester 4 Cross 382@169.00 Allen 6 Cross 426@160.00 Platte City, MO 5 blk 462@156.75 Allen 6 Cross 413@154.00 Burlingame 8 blk 515@153.00 leavenworth 6 blk 471@152.00 St. George 10 blk 481@150.00</p>	<p>HEIFERS — 550-850 lbs</p> <p>Burlingame 10 blk 562@149.50 St. George 5 blk 611@147.00 Pomona 5 blk 592@146.50 Council Grove 6 blk 636@141.25 St. George 7 blk 670@133.00 Shawnee 64 Cross 756@129.25 Council Grove 51 Cross 813@126.75 Alma 4 blk 842@121.50</p> <p>BULLS — 1,200-2,625 lbs</p> <p>Onaga 1 blk 2185@89.50 Barnes 1 blk 1970@86.00 Wakarusa 1 blk 2025@84.50 Shawnee 1 blk 1805@84.00 Manhattan 1 blk 1295@78.00 Alta Vista 1 blk 1610@76.00 Manhattan 1 Cross 1520@75.50 Alta Vista 1 blk 1220@71.00 Cummings 1 rd Ang 625@62.00</p> <p>COWS & HEIFERETTES — 625-1,875 lbs</p> <p>Alma 1 blk 735@110.50 Delia 1 blk 820@109.50 Alma 1 blk 630@101.00 Junction City 1 blk 995@97.00 Manhattan 1 blk 1070@96.00 Manhattan 1 blk 1515@68.00 Shawnee 1 blk 1500@66.50 Manhattan 1 blk 1775@65.75</p>	<p>Shawnee 1 bwf 1450@65.00 Manhattan 1 blk 1620@64.50 Shawnee 1 blk 1410@63.50 Alma 1 blk 1140@62.50 Shawnee 1 blk 1650@62.00 Vermillion 1 bwf 1490@61.50 Wamego 1 blk 1425@61.00 Shawnee 1 blk 1185@60.00 Shawnee 1 Cross 1055@60.00 Alma 1 Heref 1485@59.50 Manhattan 1 blk 1465@59.00 Princeton 1 blk 1170@58.00 Manhattan 1 Hols 1325@57.00 Wamego 1 blk 1220@56.50 Vermillion 1 blk 1040@55.00 Princeton 4 blk 1263@55.00 Manhattan 1 Cross 1170@54.50 Manhattan 1 hols 1860@54.00 St. George 1 blk 1360@52.00 Frankfort 1 blk 1205@52.00 Seneca 1 Hols 1655@52.00 Winchester 1 Cross 1110@50.00</p>	<p>COW/CALF PAIRS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">AGE</th> </tr> </thead> <tbody> <tr> <td>Perry</td> <td>2 blk</td> <td>2</td> <td>@1710.00</td> </tr> <tr> <td>Seneca</td> <td>1 bwf</td> <td>2</td> <td>@1400.00</td> </tr> <tr> <td>Clay Center</td> <td>3 blk</td> <td>3</td> <td>@1325.00</td> </tr> <tr> <td>Clay Center</td> <td>1 blk</td> <td>6</td> <td>@1310.00</td> </tr> <tr> <td>Clay Center</td> <td>1 blk</td> <td>2</td> <td>@1300.00</td> </tr> <tr> <td>Manhattan</td> <td>2 blk</td> <td>SS</td> <td>@1300.00</td> </tr> <tr> <td>Manhattan</td> <td>1 Cross</td> <td>BM</td> <td>@1225.00</td> </tr> <tr> <td>Clay Center</td> <td>1 blk</td> <td>SS</td> <td>@1200.00</td> </tr> <tr> <td>Manhattan</td> <td>1 blk</td> <td>BM</td> <td>@1200.00</td> </tr> <tr> <td>Clay Center</td> <td>1 blk</td> <td>OO</td> <td>@1110.00</td> </tr> </tbody> </table> <p>BRED COWS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="4">AGE BRED</th> </tr> </thead> <tbody> <tr> <td>Wamego</td> <td>3 blk</td> <td>3 8</td> <td>@1220.00</td> </tr> <tr> <td>Wamego</td> <td>1 blk</td> <td>2-3 8</td> <td>@1175.00</td> </tr> <tr> <td>Clay Center</td> <td>2 Cross</td> <td>3 8</td> <td>@1125.00</td> </tr> <tr> <td>Osage City</td> <td>1 blk</td> <td>6 6</td> <td>@950.00</td> </tr> <tr> <td>Wamego</td> <td>1 blk</td> <td>3 8</td> <td>@925.00</td> </tr> <tr> <td>Pomona</td> <td>1 bwf</td> <td>5 5</td> <td>@900.00</td> </tr> <tr> <td>Osage City</td> <td>2 blk</td> <td>5-6 3</td> <td>@875.00</td> </tr> </tbody> </table>	AGE				Perry	2 blk	2	@1710.00	Seneca	1 bwf	2	@1400.00	Clay Center	3 blk	3	@1325.00	Clay Center	1 blk	6	@1310.00	Clay Center	1 blk	2	@1300.00	Manhattan	2 blk	SS	@1300.00	Manhattan	1 Cross	BM	@1225.00	Clay Center	1 blk	SS	@1200.00	Manhattan	1 blk	BM	@1200.00	Clay Center	1 blk	OO	@1110.00	AGE BRED				Wamego	3 blk	3 8	@1220.00	Wamego	1 blk	2-3 8	@1175.00	Clay Center	2 Cross	3 8	@1125.00	Osage City	1 blk	6 6	@950.00	Wamego	1 blk	3 8	@925.00	Pomona	1 bwf	5 5	@900.00	Osage City	2 blk	5-6 3	@875.00
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EARLY CONSIGNMENTS FOR JUNE 1

- 40 Angus & Angus cross str & hfrs, smaller weaned 60 days, bigger weaned 120 days, 500-700 lbs, 3 rds shots
- 35 home raised blk str & hfrs, 2 rds shots, 475-550 lbs
- 16 Angus str & hfrs, 2 rds Bovishield Black Leg, weaned 2 months, 650-750 lbs
- 45 choice homeraised blk & bwf str, long weaned, 2 rds shots, 650-800 lbs

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Kansas Hay Market Report

Hay market trade activity is very light, while demand remains very good for all types of hay. Prices for all hay mostly steady. Kansas received some good news in the form of precipitation. In addition, first cutting of alfalfa is under way. Tonnage is anticipated to be down due to poor growth in response to cool weather and lack of moisture. According to the U.S. Drought Monitor, areas from northeastern Colorado into central and southern Kansas recently received moderate to heavy rain (one to three inches) and netted reductions in drought intensity and coverage. The most significant improvements were made in south central Kansas, where a large area of 2 to 4 inches of rain (locally more) fell on areas of Severe (D2) to Extreme (D3) Drought. The abnormally dry (D0) category decreased to 97 pct, moderate drought (D1) decreased to 80 pct, severe drought (D2) decreased to 50 pct, extreme drought (D3) decreased to 22 pct and exceptional drought (D4) decreased to 4.5 pct. Pasture and range conditions rated 9 percent very poor, 22 poor, 44 fair, 23 good, and 2 excellent. If you have hay for sale, and/or need hay here in Kansas, use the services of the Internet Hay Exchange: www.hayexchange.com/ks.php.

Southwest Kansas

Dairy alfalfa, grass hay, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: horse, small squares 240.00-250.00. Dairy, .95-1.00/point RFV, Supreme 180.00-190.00, Premium 165.00-175.00, Good 150.00-160.00. Stock or Dry Cow alfalfa, 175.00-185.00. Fair/Good grinding alfalfa, 155.00-165.00. New crop grinding alfalfa 155.00-165.00 at the edge. Instance of all cuttings of new crop alfalfa at 185.00-195.00. Ground and delivered locally to feedlots and dairies, 165.00-195.00 with two instances at 200.00. Grass hay: Bluestem large squares 80.00-90.00, large rounds 70.00-80.00. The week of 5/13-

5/19, 7,483T of grinding alfalfa and 1,499T of dairy alfalfa were delivered. Sorghum ground and delivered 105.00-115.00; wheat hay ground and delivered 125.00-135.00; Cornstalks: large rounds 55.00-65.00, ground and delivered 70.00-80.00.

South Central Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay, alfalfa pellets steady; movement slow. Alfalfa: horse, small squares 190.00-200.00. Dairy, .95-1.00/point RFV, Supreme 180.00-190.00, Premium 165.00-175.00, Good 150.00-160.00. Stock cow alfalfa, 145.00-160.00 delivered. Fair/Good grinding alfalfa, 130.00-150.00. Ground and delivered locally to feedlots 165.00-175.00 with an instance at 185.00. Alfalfa pellets: Sun Cured 15 pct protein 190.00-205.00, 17 pct protein 190.00-210.00, Dehydrated 17 pct 240.00-250.00. The week of 5/13-5/19, 3,305T of grinding alfalfa and 475T of dairy alfalfa were delivered. Grass hay: bluestem, large squares 90.00-100.00, large rounds 75.00-85.00; Brome, large squares 130.00 delivered; Oat hay, large squares 85.00-95.00, Sudan large rounds 75.00-80.00. Cornstalks: large rounds 60.00-65.00, cornstalks ground and delivered 70.00-80.00, Straw large rounds 70.00-75.00.

Southeast Kansas

Dairy alfalfa, horse/goat, stock cow alfalfa, grinding alfalfa, ground/delivered, grass hay steady; movement slow. Alfalfa: horse or goat, 215.00-225.00. Dairy .90-1.00/point RFV. Stock cow alfalfa 140.00-150.00. Fair/Good grinding alfalfa, none reported. Ground and delivered, none reported. Grass hay: bluestem, premium small squares 110.00-130.00 with an instance at 150.00. Good, mid and large squares 90.00-105.00 with an instance at 120.00, large rounds 70.00-80.00 with an instance at 90.00-100.00. Brome: small squares 6.00-8.00/bale. Good, mid and large squares 100.00-120.00 with an instance at 135.00, large rounds none reported. Oat hay, large rounds 85.00-95.00, with an instance at 130.00 delivered. The week of 5/13-5/19, 1,174T of grass hay were delivered. Straw, mid and large squares 50.00-60.00. Mulch, large rounds 50.00-55.00.

Northwest Kansas
Dairy alfalfa, grinding alfalfa and ground/delivered steady; movement slow. Alfalfa: small squares, 6.00-7.00/bale. Horse or goat, 220.00-230.00. Dairy, Premium/Supreme .90-1.00/point RFV. Stock cow, fair/good 120.00-130.00. Fair/good grinding alfalfa, 100.00-120.00. New crop alfalfa 110.00-120.00 in the field. Ground and delivered locally to feedlots and dairies, 120.00-130.00. Cornstalks, large rounds 70.00-75.00.

North Central-Northeast Kansas

Dairy alfalfa, grass hay, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: horse, premium small squares 9.00-10.00/bale, good small squares 8.00/bale. Dairy .95-1.05/point RFV, Supreme 175.00-195.00, Premium 170.00-185.00, Good 150.00-170.00. New crop dairy, Supreme 200.00. Stock Cow, good 120.00-125.00. Fair/Good, grinding alfalfa, 110.00-120.00 with an instance at 150.00. Ground and delivered, 140.00-150.00 with an instance at 175.00. Grass hay: bluestem, small squares 5.00-6.00/bale, large squares 105.00-115.00, large rounds 90.00-100.00. Brome: Good, small squares 6.00-8.00/bale, mid and large squares, 125.00-130.00, good large rounds 85.00-95.00. Sudan large rounds 60.00-70.00; Straw: small squares, 4.00-5.00/bale, large squares 75.00-85.00, large rounds 65.00-75.00.

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

*CWF Certified Weed Free

*RFV calculated using the Wis/Minn formula.

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

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

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"MANY DIESELS IN STOCK"

Timber management for wildlife and profit

By Jeri Geren, Diversified Agriculture and Natural Resources Agent, Wildcat District

In the eastern part of the state, when it comes to trees or wooded areas on agricultural land, there are usually two types of people, those that fire up a chain saw every opportunity they have, and those who see all trees as potential wildlife, primarily deer, habitat. Neither side can quite understand the opposition's view towards trees. In both cases, timber management can be beneficial for numerous reasons.

Whether the objective is for wildlife or profit, timber harvest can be a good way to provide a source of income while increasing wildlife habitat. Proper timber harvests regenerate wildlife food and cover while keeping a constant supply of timber growing. A timber stand improvement removes inferior trees to improve the rate of growth or quality of the more valuable trees. Trees that are beneficial to wildlife by providing food include oak, pecan, walnut, hickory, and mulberry. A timber stand improvement plan can be used to thin a forested area around the desirable trees while decreasing the overall canopy, thus allowing in more light and opportunity for more diverse plant growth.

Research done on the diet of the whitetail deer has shown that forbs (weeds) and browse (woody species) make up the largest percentage of their diet. Combined, these contribute to over 80 percent of the total intake. Grasses make up more than 10 percent of the diet. In order for a wooded area to support and maintain good quality trees, shrubs, forbs and grasses, it is best to decrease or maintain the canopy cover to less than 20 percent. Harvesting timber is often recommended for increasing the quality of whitetail deer in an area.

Whether the objective is for wildlife or profit, timber harvest can be a good way to provide a source of income while increasing wildlife habitat. Proper timber harvests regenerate wildlife food and cover while keeping a constant supply of timber growing. A timber stand improvement removes inferior trees to improve the rate of growth or quality of the more valuable trees. Trees that are beneficial to wildlife by providing food include oak, pecan, walnut, hickory, and mulberry. A timber stand improvement plan can be used to thin a forested area around the desirable trees while decreasing the overall canopy, thus allowing in more light and opportunity for more diverse plant growth.

Timber management can be a great way to supplement income or an effective way to benefit and enhance numerous wildlife species. It's important to have personal goals and objectives in mind before developing any forest management plans. Understanding the needs of desired wildlife and plant species can also help to create a well-managed, high quality and profitable wooded environment.

For more information, contact Jeri Geren, Diversified Agriculture and Natural Resources, jlsgle@ksu.edu, (620) 331-2690.

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AUCTION

SATURDAY, JUNE 9, 2018 — 10:05 AM

445 E. 15th Street — RUSSELL, KANSAS

East of the corner of 281 Hwy and 15th St. Signs will be posted.

TRACTOR: 2014 New Holland T 4.75, MWFD, 3pt. PTO, hyd. w/New Holland 655 TL loader, ONLY 26.1 hrs.; Land Pride RB 2596 back blade, 8' to be sold separate.

SIDE BY SIDE: 2008 Arctic Cat Prowler XT 650, 1499 mi.

MOWERS: Deines Magnum 2000, 20hp, 72" deck, 48 hrs.; Deines Marty J 1800, 18hp, 60" deck, 453 hrs.; Deines Marty J DI 850T, 18hp, 50" deck; JD push mower; MW front tine tiller.

GUNS: Winchester 1897, pump, 12 ga., SN 317072; Remington 870 Wingmaster, pump, 12 ga; Stevens 20 ga.; HSB + Ruso Chicago, .410-44 cal.; US Cavalry Limited Edition, mdl 3082, lever action, 30-30 w/scope; Remington mdl 550-1 bolt action, 22 cal; Remington mdl 510 bolt action, 22 cal; Winchester mdl 12, pump, 12 ga.; Marlin mdl 88, semi, 22 cal; single shot 12 ga.; Marksman air rifle; Raven Arms mdl MP-25, .25 cal handgun; Beretta corto-Brev 950, 22 cal handgun; Iver Johnson, 8 shot revolver, 22 cal handgun; Liberty single action, 22 cal hand gun; Stevens mdl 87 B, 22 cal semi; JC Higgins mdl 101-85, .410 cal. bolt; asst. ammo; Military & other knives; gun cabinet 8 guns.

COLLECTIBLES: Coors telephone in working cond.; Coors ash trays; Schlitz beer signs & lights; Falstaff clock; Polaroid

AUCTIONEERS NOTE: Boss was very particular with his stuff, so all the items have been well taken care of and stored inside. Watch for a video on Friday before the sale. Gun buyers will be required to fill out Kansas gun certificate. Lunch.

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THE WAY WEST

By Jim Gray

Showdown at Council Grove

Throughout the later part of the summer of 1867, negotiations were made between frontiersmen and plains Indians. Groups of Comanche, Cheyenne, and others met at Jesse Chisholm's trading post at the mouth of the Little Arkansas River (Wichita). There was quite a bit of movement between that post and Chisholm's post on the North Canadian River in Indian Territory.

The object of all that activity was a peace treaty between the United States government and all the

plains tribes, especially in relation to the use of traditional hunting lands in Kansas. George Bent described the scene in his book *Life of George Bent*. "The great camp was in a beautiful hollow through which flowed Medicine Lodge Creek, with its lovely wooded banks. This was a favorite place for the summer medicine-making of the Indians and also for their winter camps."

The Arapaho's camp was 170 lodges, the Comanches 100 lodges, the Kiowas 150 lodges and the Apache

with 85 lodges. In the center was a grove of elm trees that served as the council grounds. Across the creek from the council grounds the Cheyennes camped in 250 lodges. Approximately 5,000 Indians were in camp. Indian ponies covered the hills and valleys. Around 600 men represented the United States, supported by 211 vehicles and 1250 animals.

Peace was successfully concluded at Medicine Lodge on October 28, 1867. Captain Albert Barnitz wrote in his diary, "...They have no idea that they are giving up, or that they have ever given up the country which they claim as their own, the country north of the Arkansas (River). The treaty all amounts to nothing, and we will certainly have another war sooner or later with the Cheyennes, at least, and probably with the other Indians, in consequence of misunderstanding of the terms of present and previous treaties."

Not only was the treaty misleading in its intent, it also did not address fighting between tribes. Within days of the treaty Kaw

(Kansas) warriors conducted a raid for horses against the Cheyenne. Seven Cheyenne men were killed and scalped. The Cheyenne traditionally warred with the Kaw, Osage, Pawnee, and Utes, all living on the boundaries of Cheyenne territory.

With winter coming on, intertribal raiding came to a halt. But, with the coming of spring grass, old resentments were renewed. Chief Little Shield of the Arapaho reported to Fort Hays with over 200 warriors intent on attacking the Pawnee along the Saline River north of Hays City.

The Cheyenne outdid the Arapaho by traveling east into settled territory to avenge last fall's deaths at the hands of the Kaw Indians. Joined by elements of Arapaho, Kiowa, and Comanche war societies, the Cheyenne war party was estimated at 400-500 warriors but may well have been only half that many. At Council Grove the Cheyenne would have their showdown with the Kaw.

As they passed Marion and Cottonwood Falls,

alarmed residents spread the news. On June 3, 1868, the Kaw ambushed the wild tribes as they advanced through a grove of trees. A battle raged for several hours, resulting in one wounded Kaw warrior and three wounded Cheyennes. Cheyenne Chief Little Robe sent a demand to his enemy for the return of the scalps of the seven Cheyenne men killed the previous fall. The Kaw refused. With that, the Cheyenne war party turned and began its return journey to the plains.

Several settlers' homes were raided for beef cattle, chickens and turkeys. The raid unfortunately created a very bad impression of the Cheyenne people across the settled parts of Kansas. At Fort Harker, Little Robe explained that due to the lack of wild game, his people were starving and needed food. The trail boss of a passing Texas trail herd cut out four head of cattle from his herd for them to butcher.

Citizens in Morris, Lyon, and Chase Counties armed themselves but having no prepared militia the men

found themselves entirely without organization. General Philip Sheridan, who had just assumed military command in the district, dispatched cavalry units to the Council Grove area from Fort Riley and Fort Harker. Fifteen thousand rounds of ammunition were made available to Governor Crawford for distribution to frontier settlers and the organization of a state reserve cavalry. A line of defense was set up for cavalry patrol from Fort Harker south to the confluence of the Little and Big Arkansas Rivers (present-day Wichita). All the while new settlers were pushing the frontier farther and farther west.

The stage was being set to drive the wild tribes from the land of their ancestors. A reckoning was coming on The Way West.

"The Cowboy," Jim Gray is author of the book *Desperate Seed: Ellsworth Kansas on the Violent Frontier, Executive Director of the National Drovers Hall of Fame. Contact Kansas Cowboy, P.O. Box 62, Ellsworth, KS 67439. Phone 785-531-2058 or kansascowboy@kans.com.*

Good and getting better: report for consumers, influencers notes key improvements being made by cattle industry

A beef checkoff-funded report is highlighting the commitment cattle producers demonstrate in the areas of animal welfare, beef quality, sustainability and community involvement. The Cattlemen's Stewardship Review (CSR) gathers data from an independent 2017 telephone survey of beef producers to deliver a comprehensive profile of the U.S. beef community today. The report and survey were coordinated by the National Cattlemen's Beef Association (NCBA) as a contractor to the Beef Checkoff Program.

The report compares to a 2010 checkoff-funded benchmark survey. It shows that improvements have been made in all four of the cattle industry areas studied. In addition to a national news release to national media outlets,

Fourth man guilty in cattle shootings

AP - A 20-year-old Kansas man has admitted being part of a group that shot and killed several cows in Leavenworth County.

Leavenworth County Attorney Todd Thompson says Christopher Wright, of Overland Park, pleaded no contest to criminal damage to property and animal cruelty.

The *Kansas City Star* reports Wright was one of four people who have been found guilty in the shootings. Twenty-year-old Marcel Timmons, of Manhattan, and two others whose names were not released because they are juveniles, pled guilty last year.

Investigators say the

report and information from it are being presented to key national media by the NCBA communications team, as a beef checkoff contractor.

"We want consumers to know we aren't just farmers and ranchers, but also animal caretakers, nutritionists, small business owners, environmentalists, and members of our communities," said Joan Ruskamp, part owner of J & S Feedlot in Nebraska and Cattlemen's Beef Board chairman. "This report is a way to benchmark our progress, celebrate our successes and identify opportunities for improvement."

Among the findings of the survey, conducted by Aspen Research of a proportionate number of producers to the Agricultural Census, are:

The well-being of cattle shootings occurred in August 2016 in rural Leavenworth County. Several

is the top priority for 95 percent of producers. That commitment is demonstrated by the fact that the Beef Quality Assurance (BQA) program influences more than 80 percent of the U.S. fed cattle supply, according to BQA managers;

Ninety-seven percent of cattle farmers and ranchers believe producing safe beef is crucial to the future of the industry. Producing the best beef possible is supported by nearly a century of research-based improvements funded by the industry in nutritional value, beef quality and safety assurance;

About 95 percent of producers say conservation of land is extremely important to them, while 86 percent manage their operations in a way that protects the quality of natural resources, including

al cows on two separate properties were found dead of gunshot wounds.

wildlife and biodiversity; and

Beef is produced in all 50 states by a diverse group of men and women of all ages who have different backgrounds and production methods, but who share the same core values. The CSR found that more than nine of ten cattle operations are family owned, and 78 percent of farmers and ranchers say

they intend to pass their operations on to future generations - with 58 percent of current operations being in the family for at least three generations.

"When consumers understand the level of care that goes into the produc-

tion of their beef, they feel better about enjoying it," said Ruskamp. "This report helps show that our attention to the needs of our animals, land and relationships parallel the concern our customers have for the beef they eat."

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AUCTION

SATURDAY, JUNE 9, 2018 — 10:30 AM
Located at 201 Pine Street — PERRY, KANSAS
(from stop light at Cedar St. & Hwy. 24, South on Cedar, then East on 2nd)

2009 Buick Lucerne CX, 4 dr, power, cloth, 66,600 mi., Nice; 1985 Toyota pickup, somewhat rough; 7 vintage quilts; green water set; 5-pc. BR suite; modern oak cabinet; selection of vintage purses, ladies hats, shoes, etc.; wooden Fairmont crate; good asst. of costume jewelry; 3 jewelry boxes; vintage sled;
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FURNITURE & APPLIANCES: Queen Sleigh bed w/box springs & mattress; twin trundle bed w/mattress; Queen Thomasville BR set, headboard, footboard, triple dresser, chest of drawers; oval dinette table w/4 chairs; Oak Mission style BR set- headboard, footboard, nightstand & dresser; Oak 2 drawer file cabinet; antique side table; folding table w/4 chairs; table lamps; TVs; computer printers-Epson; Bunn coffee maker; Kenmore sewing machine; coffee roaster; Tiffany Lamp; metal storage cabinet; rotisserie; upright freezer; 2 apart. size refrigerators. **GLASSWARE & COLLECTIBLES:** 1917 Fort Riley Military yearbook; 1950s Roy Rogers toy telephone in box; 1900s Junction City HS yearbooks; 1910 Central National Bank Book; 1949 Kansas City phone book; Falstaff Beer stein; lighted whiskey sign; Budweiser sign; Canadian Club Whiskey canoe shaped cooler; adv. pens & pencils; Norman Rockwell cups; dynamite box; vintage Boy Scout trunk; older Auto wall art; 1950s 5 gal. Mobil Oil can; model cars & airplanes; die-cast cars & road maps; 1935 Greyhound Bus Line book; Holiday Barbies; collectible dolls; vint. ladies hats; whiskey decanters; Christmas decor. **TOOLS, PHOTOGRAPHY, CRAFTS & MISC.:** 1940s US Army elec. system tester; tool boxes; ammo boxes; elec. & gas leaf blowers; battery chargers; shop vac; metal work bench; motorcycle luggage; ladies leather riding jacket; Carousel slide projector; studio light stand & reflectors; digital 8mm movie camera; Light Impressions & Document Preservation materials; beading supplies & materials; sewing items; soap making materials; **MANY MORE ITEMS TO NUMEROUS TO MENTION.**

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Wilsey, 1 blk	1160@90.00	Tampa, 1 blk	1515@61.00
Durham, 1 blk	1380@89.00	Lincolnville, 1 blk	1415@61.00
Herington, 1 bfw	1115@88.00	Lehigh, 1 blk	1445@61.00
Durham, 1 gry	1010@88.00	Lincolnville, 1 bfw	1500@60.50
Herington, 1 bmf	1125@87.00	Delavan, 1 red	1275@60.50
Herington, 1 rfw	1210@85.00	Herington, 1 blk	1455@60.00
Hillsboro, 1 blk	1095@84.00	Herington, 1 blk	1640@60.00
Lehigh, 1 blk	1105@80.50	Herington, 1 rmf	1255@60.00
Lost Springs, 1 bfw	1460@70.50	Marion, 1 mix	1420@60.00
Ramona, 1 blk	1120@65.00	Lost Springs, 1 blk	1455@60.00
Herington, 1 blk	1470@63.50	Lincolnville, 1 blk	1410@60.00
Herington, 1 blk	1635@63.00	BULLS	
Herington, 1 blk	1335@62.50	Lehigh, 1 blk	475@146.00
Wilsey, 1 blk	1380@62.50	Wilsey, 1 blk	1530@80.50
Herington, 1 bfw	1440@62.00	Tampa, 1 blk	1930@78.50
Durham, 1 blk	1700@62.00	Hillsboro, 1 blk	1895@77.50
Delavan, 1 red	1515@62.00	Delavan, 1 red	1545@77.50
Delavan, 1 red	1560@62.00	Tampa, 1 blk	2085@77.00
Herington, 1 red	1325@61.50	Herington, 1 blk	1010@76.00
Durham, 1 blk	1685@61.50	Lost Springs, 1 blk	1725@76.00
		Herington, 1 blk	2065@75.50

Lost Springs, 1 blk 1870@75.00

STEERS
Junction City, 4 mix 443@176.00
White City, 3 red 583@155.00
Tampa, 3 blk 717@136.00
Hope, 61 mix 875@129.00
Lincolnville, 59 mix 886@128.00
Hope, 59 mix 889@127.25
Sylvan Grove, 4 blk 625@126.00
Tampa, 7 blk 846@125.00
Lost Springs, 2 blk 803@120.00

BRED COWS - BY THE HEAD
\$930-\$1,025

HEIFERS
Hillsboro, 6 mix 453@185.00
Junction City, 3 mix 372@153.00
Hillsboro, 6 mix 393@151.50
Hillsboro, 8 mix 465@148.00
Enterprise, 2 blk 1278@105.00

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AUCTION

SATURDAY, JUNE 2, 2018 — 10:00 AM
Auction will be held in the 4H building at the Republic Co. Fairgrounds at the North side of BELLEVILLE, KANSAS

CAR
1996 Toyota Camry XLE 4 door car, moon roof, V6, loaded, leather, 127,000 miles.

ANTIQUES & COLLECTIBLES
Oak dish cupboard; oak 2 door wardrobe; JP Coats 4 drawer desk top spool cabinet; pine dry sink; pine ledge front cupboard; oak serpentine dresser; oak commode; maple kitchen cabinet; 48" square oak table; cast iron bed; camel back trunks; pine youth chair; oak lamp table; oak fern stand; floor lamp; hall tree; Sunshine metal store display; assortment good pictures; assortment of good advertising inc.: FR Bachelor Belleville, Red Goose Farmers Union, many other pieces.

Note: This is a very large auction, with many quality and unique collectibles. Esther had collected for many years. Many very unique collectibles. Check our web site for pictures at www.thummelauction.com.

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tins; Christmas decorations; checker boards; post cards; 12 gal Monmouth crock w/lid; 2 gal Western crock; cast iron book-ends; jars; tins; kitchen collectibles; cookie cutters; sprinkling can collection; yard art; cream can; well pumps; yard chairs; weather vane; gazing balls; Pioneer sack; coaster wagon; planes; hames; **modern items inc.:** couch & chair; recliner; assortment modern tools; several ladders. **This is a very large auction, many more items we have not listed. Assortment coins inc.** Wheat pennies, Buffalo nickels, Presidential dollars; dimes, quarters; assortment costume rings & necklaces.

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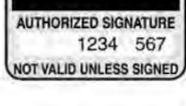
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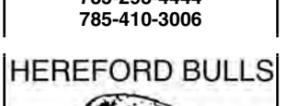


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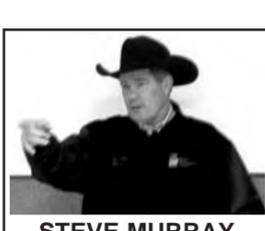
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MACHINERY

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2011 Case IH Farmall 65A MFD, ldr. 2413 hrs.
'01 Case IH MX220 MFD, 6,060 hrs
'41 IH Farmall A w/ Woods belly mower
MISCELLANEOUS
'14 Case IH 5130 Combine, 4wd 760 engine hrs, 510 sep. hrs
'10 Case IH RB564 twine/ net
'09 Case IH RB564 3600 bales
Vermeer 604M
2- 2012 Case IH 1250 planter, 16x30
Case IH 955 12 row, VF on caddy, liq. fert.
'06 Case IH 1200 PT 12/30 planter
'15 JD 2210 FC 34'
'02 Case IH 4300, FC 27'
GP Turbo-Till 3000
'07 Case IH 340 25' disk
'08 Case IH 375 disk, 34'
'18 9' chisel, 3pt
'82 JD 6620, 3200 hrs, 4WD
'94 JD 915 flex
'87 Case IH 1020 15'
'89 Case IH 1020 25'
IH 863 cornhead
1990 JD 1219 mower conditioner
IH 430 sq. baler twine tie
Tonutti 8 wheel rake
Bush Hog RDTH 72 finish mower
MF 14A plow 2x14

NEW EQUIPMENT
Case IH WD2504 SP Windrower w/ RD 163 disk header
Farmall 35A series 2 w/loader
Farmall 35C series 2, MFD w/ldr
Farmall 120U MFD, cab
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 • (T#2187) NH 488 9' haybine
 • (T#2177) NH 499 12' haybine
 • NH dual rake hitches
 • (T#1505) NH 910 SP swather w/o cab 14'
 • (T#1945) NH 630 (small) large round baler
 • (T#1124) NH 114 hydro swing swather, 14'
 • NH 1010 bale wagon, hauls 56 bales
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 2015 Case IH WD2104 w/16' 65 hrs \$118,500 (S)
 1995 MacDon 9000T w/16' 1813 hrs \$24,500 (W)
 2004 Case IH RBX562 5x6 \$9,500 (M)
 2007 Case IH RBX563 5x6 \$7,850 (W)
 1988 JD 530 5x6 . \$4,500 (W)
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TRACTORS:
 2012 Case IH Magnum 340 2676 hrs \$137,500 (H)
 1999 Case IH MX220, 4101 hrs \$66,500 (W)
 2014 Case IH Magnum 220, 76 hrs \$169,500 (C)
 2001 Case IH MX200, 5903 hrs \$59,500 (M)
 2010 Case IH Magnum 190 w/ldr, 2826 hrs \$89,500 (S)
 2016 Case IH Maxxum 150 w/ldr, 537 hrs \$103,500 (C)
 2010 Case IH Steiger 435 Quad 2159 hrs \$189,500 (C)
 2001 Case IH STX375 Quad 5587 hrs \$108,500 (H)
 2013 Case IH Steiger 350

TRACTORS/SKID LDERS

2005 JD7820 MFD, 4200 hrs
 2005 Case IH MX 255 MFD, 4300 hrs
 1997 NH 8870 2WD, 7900 hrs
 2014 JCB205 skid loader
 2015 JCB 280 skid loader, 105 hrs.
 2015 JD 323 E track skid loader, 140 hrs.
 Cat 8' roll out bucket, off 928G
 2013 JCB260 skid loader
 2008 JCB 536-60 Agra telehandler 2,800 hrs
 2013 JD 323D track skid loader, 560 hrs.
HAY EQUIPMENT
 2003 Hesston 956A, 6700 bales
 Vermeer M7040 9' rotary disk mower
 New MacDon R116 Moco.
 New H&S 1660 16 wheel Hi Cap rakes
 1997 Hesston 565A round baler

COMBINES

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 2004 Case IH 2366
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 New Parker 839 grain cart
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 '99 Gleaner R72\$75,000
 '95 Gleaner R72
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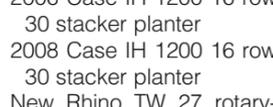
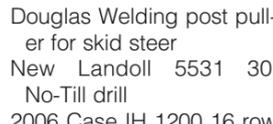
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 Case IH Maxxum 125 MFD
 Case IH Farmall 100C MFD
 Case IH Farmall 120U MFD
USED TRACTORS
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 2013 Case IH Maxxum 125 MC
MISCELLANEOUS
 2016 Kubota SSV75 w/ cab & AC
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 2008 Bush Hog 2720 20' cutter
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 1988 Case IH 8330 Moco
 1981 NH 852 round baler



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- VR-8, 10, 12 wheel rake

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- '12 JD 1790 24/20\$106,500
- '16 DB20 8/15".....\$84,500
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- '10 Kinze 3660 16/31 ..\$69,500

COMBINES

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- '13 JD S680 4wd\$209,500
- '17 JD S680 4wd\$319,500
- '16 JD 670\$219,500
- '12 JD 5670\$144,500
- '14 JD S670\$239,500
- '14 JD 670\$189,500
- '17 JD S670 4WD.....\$319,500
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MACHINERY

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83 JD 4450\$34,900
75 JD 4430\$16,900
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MACHINERY

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MACHINERY

USED IMPLEMENT

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R190 Gehl skid loader
Gehl 4240 Skid loader
Ford 900 tractor
Gehl 1870 rd. baler
2014 Gleaner S77 combine
2012 Gleaner S-77
1998 Gleaner R72
Gleaner 8200 30' w/air reel
Gleaner 800 30' flexhead
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KCA to host regional meeting in McPherson

Kansas Cattlemen's Association (KCA), in partnership with PrairieLand Partners-John Deere, will host a regional cattlemen's meeting in McPherson to discuss industry topics on the evening of June 5, 2018 at 6:00 p.m. The meeting will take place at the PrairieLand Partners-John Deere dealership. The meeting will include Dr. Justin Smith, Kansas Animal Health Commissioner, and Craig Kerbs, SmartLic. The presentations and meal are free and open to the public. KCA will provide a presentation on organization information.

Dr. Smith replaced Dr. Bill Brown as Animal Health Commissioner in May 2017. He has been a valuable part of the agency, leading the animal disease control team, helping organize and execute foreign animal disease preparation efforts, and engaging industry in the work of the division along with

many other duties. Prior to coming to KDA as a field veterinarian in 2011, Smith managed a western Kansas ranch, worked as a private practicing veterinarian and as a livestock Extension agent.

The animal health commissioner serves as the executive officer of the KDA Division of Animal Health, overseeing the agency's three program areas: disease control and traceability, animal facilities inspections and brands, all of which work to ensure the health and welfare of Kansas livestock and domestic animals.

Craig Kerbs with SmartLic, will present "Competition, the Silent Killer." Kerbs will demonstrate how to identify signs that cattle do not have proper access to essential minerals. Additionally, he will discuss concerns of over-crowding of mineral feeders, insufficient number of mineral feeders and salt blocks, and the signs

to look for that indicate it is time to make a change or seek expert advice with mineral feeding.

KCA is actively supporting independent producers in Topeka and Washington, D.C. Their staff will update attendees on current legislative work.

The meeting includes a free USA beef brisket dinner prepared by Meat Rubbers BBQ and Catering. To help ensure enough of the meal for everyone, please RSVP to 785-238-1483.

Sponsors of the meeting include: WaterTight Roofing, State Auto Farm & Ranch Insurance, Zeitlow Distributing Co., Te-Pe Oil & Gas, Farmers' Alliance Mutual Ins. Co., Allan & Deanna Sents, Central Prairie Co-op, SmartLic - New Generation Supplements, PrairieLand Partners-John Deere, Central Livestock, Countryside Feed, LLC., SweetPro Feeds.

Land O'Lakes, Inc. now accepting applications for 2018 Dairy Accelerator Program

Land O'Lakes, Inc. is now accepting applications for the second year of its Dairy Accelerator program, which launched in 2017 and provides support and mentorship to dairy entrepreneurs. The deadline for applications is June 29.

"The inaugural Land O'Lakes Dairy Accelerator was a tremendous success in our eyes. We were thrilled to share our knowledge and expertise with the five participating companies and, in turn, learned equally as much from them, especially about the importance of creativity and agility in innovation today," said Raquel Melo, vice president of Innovation and New Business Development at Land O'Lakes, Inc.

The Land O'Lakes Dairy Accelerator is looking for United States-based entrepreneurs passionate about moving their companies to the

next level. The company must utilize dairy as a primary ingredient but can use any aspect of dairy including but not limited to: yogurt, cheese, whey or other milk-based proteins or ingredients. However, it's highly encouraged that new innovations not focus on butter.

Selected participants will receive a \$25,000 stipend in order to attend, and contribute to the three-month accelerator program in the Minneapolis-St. Paul metro area. The accelerator program will provide mentorship and seminars that focus on several areas, including finance, brand building, manufacturing, sales and leadership development. At the conclusion of the program, participants will be able to present their proposals and new business ideas to Land O'Lakes, Inc. leadership.

Participating companies of the 2017 Dairy Accelerator included Bee-

hive Cheese, Petit Pot, Dreaming Cow, Jouze and Yooli. Of the experience, Petit Pot founder Maxime Pouvreau said, "In a short period of time we really transformed our business. We were ready to make changes, we just didn't have the framework. The Dairy Accelerator provided the seed."

The deadline for applications is 11:59 p.m. June 29, 2018. Applicants accepted into the program will be notified in late July. The accelerator program runs from mid-September to mid-December 2018 and will be held in the Minneapolis-St. Paul metro area. Selected participants must agree to all terms and conditions in order to participate in the Land O'Lakes Dairy Accelerator program. Land O'Lakes does not require equity from the participating companies. More information can be found at www.dairyaccelerator.landlakesinc.com.

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AUCTION

SATURDAY, JUNE 9, 2018 — 10:00 AM
5626 NW Maple Hill Road — ST. MARYS, KANSAS

1975 John Deere 4430 tractor; USAF diesel forklift 20' pneumatic 50HP; Farmall H Tractor with 3pt and front mounted buzz saw, FBH276773 restored.
38' semi-trailer; 42' semi-trailer; Blair 12' feed wagon; 3-3,000 bushel grain bins; 1-10,000 bushel grain bin with sweep auger and aera-tor (90 days to remove bins); 40'6" auger; trailer running gear; 300, 500, & 1,000 gallon tanks; 20-30' Luttitg building trusses; Ideal Dual loader (fits 4430 & others); grapple fork for loader; 2-wheel trailer; blade; shredder; Perfect Tree saw for skid loader; Luttitg feeder; cattle panels; mineral feeders; small Vermill grinder; iron feed bin; 4X4 tool bar 12', 3pt; sprayer tanks; 3 axle mobile home frame & axles; JD #5 sickle bar mower; small propane tank; post auger bits; heavy door track (40'); chain link fencing; hog feeders; 12 volt pick-up bed cube feeder; electric fence posts; 3pt box blade with skid loader attachment; hydraulic wire roller; set of forks for Dual loader; Grazer mower; drill press; air compressor; floor model drill press; several welders; anvil; Craftsman cut-off saw; parts washer; DeWalt thickness planer; Craftsman 12" band saw; 4 conveyor rollers; Craftsman toolboxes; table saw; 2' transfer pump; Poulan chain saw; Lincoln 225 welder with long cables; iron table with vise; floor jack; space heaters; shop fan; pick-up toolboxes; iron racks; scrap & welding iron; boomers; log chains; router table; jacks; bead breaker; electric motors; pipe wrenches; hand scythe; 2 come-a-longs; extension cords; pallet shelving; roll up cover for 2013 Chevy/GMC pick-up bed; assorted lumber; file cabinets; tables; iron wheels; live trap; many parts, bolts; hardware; wrenches; tools; tanks; tires; tires & wheels for semi's; truck parts; Mac truck bumper; semi wet kit; iron; pipe; 404 JD irrigation engine (power unit); irrigation elbows & fittings; 6" irrigation pipe & trailer; Oak (rough sawn).
2 Handicap scooters (one near new); cart for hauling scooters; Parkinson Deluxe walker; washer; dryer; dresser; chest-of-drawers; end tables; couch; 2 rockers; rocker/recliner; bikes; exercise bike; old yard gate; **LOTS MORE!**
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Economic talks between U.S. and China lead to trade war truce

(AP) - The United States and China are pulling back from the brink of a trade war after the world's two biggest economies reported progress in talks aimed at bringing down America's massive trade deficit with Beijing.

"We are putting the trade war on hold," Treasury Secretary Steven Mnuchin said Sunday.

After high-level talks in Washington, Beijing agreed in a joint statement with the U.S. to "substantially reduce" America's trade deficit with China, but did not commit to cut the gap by any specific amount. The Trump administration had sought to slash the deficit by \$200 billion.

Still, Mnuchin said the two countries had made "meaningful progress" and that the administration has agreed to put on hold proposed tariffs on up to \$150 billion in Chinese products. China had promised to retaliate in a move that threatened a tit-for-tat trade war.

He said they expect to see a big increase - 35 to 45 percent this year alone - in U.S. farm sales to

China. Mnuchin also forecast a doubling in sales of U.S. energy products to the Chinese market, increasing energy exports by \$50 billion to \$60 billion in the next three years to five years.

Commerce Secretary Wilbur Ross, who has been part of the U.S. negotiating team, will go to China soon to follow up on last week's discussions, Mnuchin said.

But China's government said that it cannot guarantee trade tensions with Washington can be permanently avoided.

A foreign ministry spokesman, Lu Kang, said Mnuchin's comments showed both sides hope to avoid a "trade war." However, he added, "Given the increasing interaction between the two countries, we cannot assure you they will not encounter more frictions or disputes in the future."

In a statement, Beijing committed to "significantly increase" its purchases of American goods and services, saying the increase would "meet the growing consumption needs of the Chinese people and the

need for high-quality economic development."

Last year, the U.S. had a record \$376 billion deficit with China in the trade of goods; that was the largest by far with any nation.

Trade analysts were not surprised that China refused to agree to a numerical target for cutting the trade gap, but they said the talks probably were more successful in easing trade tensions.

"The Trump administration seems eager to engineer at minimum a temporary peace with China to ensure a smooth run-up to the Kim-Trump summit in June," Cornell University economist Eswar Prasad said, referring to the June 12 meeting scheduled between President Donald Trump and North Korean leader Kim Jong Un.

If there is success in the U.S.-China discussions, analysts suggest it likely would involve the countries' presidents this fall before the November elections.

"Part of the good news for markets: As long as both sides continue to be 'constructively' engaged, imposition of additional

tariffs by either side is very unlikely," analysts at investment management firm Evercore ISI said in a research note. "There is no reason for either side - particularly the U.S. - to destroy the process that both sides are building, which is what imposing tariffs would do."

Sen. Lindsey Graham, R-S.C., praised the administration's efforts with China.

"It's smart to engage China on trade abuses, and it would also be smart to get them more involved in trying to help us with North Korea," Graham said.

Trump campaigned in 2016 on a pledge to get tough on China and other U.S. trading partners. He views the U.S. trade deficit with China as evidence that Beijing is engaged in abusive trading practices and has outmaneuvered previous U.S. administrations.

Last August, U.S. Trade Representative Robert Lighthizer began investigating Beijing's strong-arm tactics to challenge U.S. technological dominance. These include out-

right cybertheft of U.S. companies' trade secrets and China's demands that American corporations hand over technology in exchange for access to the Chinese markets.

Last month, the administration proposed tariffs on \$50 billion of Chinese imports to protest the forced technology transfers. Trump later ordered Lighthizer to seek up to an additional \$100 billion in Chinese products to tax.

China responded by targeting \$50 billion in U.S. products, including soybeans - a shot at Trump supporters in America's heartland. The prospect of an escalating trade war has shaken financial markets and alarmed business leaders.

In a separate controversy, the Commerce Department last month blocked China's ZTE Corp. from importing American components for seven years, accusing the telecommunications company of misleading U.S. regulators after it settled charges last year of violating sanctions against Iran and North Korea.

The ban amounted to

a death sentence for ZTE, which relies heavily on U.S. parts, and the company announced that it was halting operations. A week ago, Trump tweeted that he was working with Chinese President Xi Jinping to put ZTE "back in business, fast." Media reports suggested that the U.S. was offering to swap a ZTE rescue for an end to proposed Chinese tariffs on U.S. farm products.

Sen. Mark Warner of Virginia, the top Democrat on the Senate Intelligence Committee, called Trump's intervention in the case "outrageous" and said that using ZTE "as a bargaining chip ... is not in the best interests of our national security."

White House economic adviser Larry Kudlow said there could be "some small changes around the edges" in the sanctions against ZTE. But Kudlow added: "Do not expect ZTE to get off scot-free. It ain't gonna happen."

Mnuchin and Graham appeared on *Fox News Sunday*. Warner spoke on CNN's *State of the Union*, and Kudlow was interviewed on ABC's *This Week*.

Sustainable Ag: Cover-crop investigations

Wheat growers in the semi-arid central Great Plains commonly leave their fields fallow for months at a time between crops, so moisture

can build up in the soil to help grow subsequent crops. The lack of a crop for those months, however, has its drawbacks. Leaving fields fallow can lead

to soil erosion, organic carbon depletion, degraded soil properties and increased operating costs.

Growing another kind of crop in place of fal-

low between wheat crops addresses some of those drawbacks, but also takes precious moisture out of the soil. K-State Research and Extension crop specialists John Holman and Augustine Obour and colleagues are working to determine if growing another crop, or cover crops, can provide enough benefits to the soil to offset the reduced soil water and inevitable lower wheat crop

yields.

The K-State research examining different types of cover crops grown in a rotation with winter wheat started in Garden City in 2006. Studies have been expanded to K-State's HB Ranch near Cedar Bluff reservoir in 2015 and several privately owned farms in western Kansas.

The research so far shows that net returns were cut by 50 percent to

100 percent by growing cover crops rather than leaving a field fallow between wheat crops, but it depended on what type of cover crops were grown. Net returns were increased 26 percent to 240 percent when a forage crop - one that can be grazed by livestock or harvested as hay or silage - was grown, so integrating annual forages into the fallow period in semi-arid regions has the greatest potential for adoption, said Holman, who is based at the Southwest Research-Extension Center, Garden City.

"The work we are doing is identifying how to sustainably and economically consider growing cover crops in a moisture-limited environment," Holman said. "The research is critical as it is the only real way to learn the long-term effects on cropping systems and soil. The studies also take into account weather variability such as wet versus dry and cool versus hot conditions, which impacts crop growth and effects of growing a cover crop. Long-term research like ours is needed to measure crop responses under a variable climate."

Obour, who is based at the Agricultural Research Center-Hays, said, "Based on results from our studies, we think grazing or haying cover crops (using cover crops for forage) can provide economic benefits to offset the revenue loss associated with decreased crop yields when cover crops are grown ahead of a cash crop."

"Therefore, ongoing research at K-State's HB Ranch is looking at forage production potential of cover crops (grazing or haying of cover crops) and quantifying the impacts of removing the cover crop for forage on weed suppression, crop yields and soil health," Obour said.

That research is also looking at both spring and summer planting windows of cover crops in dryland systems.

AUCTION

TUESDAY, JUNE 5, 2018 — 5:00 PM
1809 Alabama Lane — MANHATTAN, KANSAS

Everett spinet piano & bench; Oak bunk bed; 5pc bedroom suite; nice sofa with wood trim; Maple double bed with chest & mirror; antique 3-drawer Oak chest; kneehole desk; 3 bookcases; Jinny Lind bed; living room chairs; sofa; console stereo; stand table; stereo; 2 arm chairs; dinette table; file cabinet; dehumidifier; 4 Bentwood chairs; wood framed couch & chair; Oak youth chair; Maple end & coffee table; metal desk; file cabinet; cot; hamper; TV trays; octagon table; kitchen table; magazine rack;

patio table, 4 chairs & lounge; chairs; cups & saucer collection; antique cast iron 2-wheel coffee grinder; antique kitchen clock; salt dips; salt & peppers; creamers & sugars; glass basket; silver-plate; teapot; vases; pots & pans; stoneware pitcher; stemware; opry glasses; brass bucket; crockpot; canes; wooden ware; green depression glass; silver-plate; Olsburg, Ks ruby souvenir cup; toothpick holders; cherry pattern berry set; pictures & frames; long burnt wood box; books; Holiday decorations; candleholders;

owls; dishes; glassware; linen; canisters; cookbooks; mixing bowls; food grinder; card table; child's wagon; gun rack; Christmas tree; walker; wood bed tray; record player; older games; Western hat; Norleans & Pope Gosser china pieces; Tupperware; 4pcs Russel Wright; floor & table lamps; records; melmac; puzzles; coolers & thermoses; music; sewing; Dirt Devil; towels; dolly; garden tools; flower pots; BBQ grill; small kitchen appliances; luggage; bedding; old perm supplies; miscellaneous items.

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TRACTORS: JD 4020 D. w/48 Loader, 2 hyd. box/guard; AC D14, new rear tires; MF 275, very nice; IHC 656 gas, WF, parade ready; Ford 5000 D, 3pt., new rear tires.

ANTIQUE TRACTORS & EQUIP.: John Deere 50 Nice; John Deere B; John Deere - D, on steel, looks & runs good; John Deere - A, unstyled, looks & runs good; Hart Parr Oliver 70, runs good; MM - U - looks & runs good; Farmall H - looks & runs good; AC WC - looks & runs good; MF 65 - looks & runs good; AC 40 all crop combine; 2 JD 2 bottom plows, on steel; Dump rake on wheels.

SKID STEERS & ATTACH: Case 1845C, nice; Case XT 60, runs good; Case 1840 D, very good; Bobcat 15C posthole digger w/auger, nice; Brute brush grapple, 55"; Tomahawk stump bucket; Tomahawk pallet forks; Smooth bucket, 84"; Brush grapple, 66-0; Brush grapple, 72-8; HD brush grapple, 72-4; Brush grapple, 84-6; HD rock & brush grapple, 72x3.

DOZER: 1987 International Dresser TD15, very good (shedded).

EQUIPMENT: Rhino TX115 hyd. fold finish mower 10.5'; Matthews L88 A 3pt flail mower; 2 bale carriers, 3 pt.; New 190 heavy duty 9' hyd. adjust blade; NH 499 12' hydro swing, none nicer anywhere; Agco Hesston 3312, center pivot 12' draw bar hitch; disk bine conditioner w/crimper, field ready; Rhino RHP Series H rake, 12 wheel, like new; Rhino 172 3pt. cutter, like new; Bushog 2315 15' batwing mower; New 165 heavy duty 10' blade, hyd. adjust; JD 1508 15' batwing mower; IHC 47 sq. hay baler; AC 302 twin sq. baler; NH 268 T sq. baler; New Idea 484 round baler, 700 lb bale; IHC 1190 swather; Hebron 1090 swather; JD S series bin extension tip tops - complete set, new; Lescon 3 pt. PTO seeder; JD 9770 bin extension tip tops - complete set, new; EZ Trail 475 grain cart; IH 3 pt. 100 7' sickle bar mower; 6' 3 pt. mower;

NH 1010 bale wagon; Lely 12 wheel rake, high capacity; 300 gal. sprayer w/Ace pump, field ready; Burch 8' disk; 5' 3 pt. finish mower; JD 640 hay rake; Land Pride #3 72" 3 pt. blade; Ford 3 pt. 2- 14 plow; JD 3 pt. 6' blade; NH 850 round baler, nice; JD 125 chuck wagon w/top; JD 716 silage wagon; Ford 3 pt. PTO hay rake; JD 643 corn head; JD 350 9' sickle bar mower, 3 pt.; NH 9' pull type sickle bar mower, needs gear box; 2 NH 451 3 pt. sickle bar mower, 7'; JD steerable 4 bottom plow; Case IH 575 tandem manure spreader, new floor; Case IH 496 24' disk, very good; 12' 3 pt. vibra shank; (18) 4 x 34 9-bolt duals; Wetmore belt drive hammer mill; 3 pt. 300 gal. sprayer, 55' booms, hyd. pump.

LIVESTOCK EQUIP.: 2002 Trailman, 7x24 gooseneck stock trailer, very good; (25) 25' free standing panels; (60) 20' continuous panels, 6 rail w/unions & clamps; (2) 12' HD port. coral panels; (2) 12x20 steel livestock shelters, new; HD 10' working cattle tub, heavy duty, sheeted; HD 10' adj. ally, heavy duty, sheeted; palpation cage; Bar F port. squeeze chute, all steel w/auto head gate & wheel cart; port. creep feeder - 2 sided w/ fold down racks; Heider auger wagon w/top, very good; gooseneck hay trailer, 12 bale wagon, double basket dump, like new; (2) 6x20 gooseneck stock trailer; cattle panels; 100s of T-post; feed bunks; 7 lg. corner hedge posts; shop built port. panel trailer; 6x16 bumper hitch stock trailer, vg.

CARS & TRUCKS & TRAILERS: GMC K 3500 4x4 454, flat-bed, auto, 25,000 mi. on motor & 15,000 on trans, new tires, very nice & no rust; 1997 GMC K2500 4x4, reg. cab, 181,000 mi, GM rebuilt trans, 20,000 ago, GM rebuilt transfer case 2,000 mi ago, *from the Alice Wessel Estate*; 1999 GMC K1500 ext. cab 4x4 5.7, auto trans, 198,000 mi, good truck & cold air, *from the Alice Wessel Estate*; Ford F-150 4x4 ext. cab, short bed, flare side, 170,000 mi.; 2003 Taurus, 176,577 mi, 4 dr; 1995 Ford F-800 5.9 Cummings w/ Allison auto 10' box & hoist, drives & runs good; 2003 Chevy Tahoe Z71, 150,000 mi, 4x4 nice leather interior; 1973 Ford 700 - 10 wheeler, 20' bed & harsh hoist, 390 motor, 5 & 2 transmission.

MISC.: 2005 Dodge dually alum. wheels; drill press; bench grinder, new in box; HD Ruger 6000# eng. hoist, hyd.; Stihl 039 chainsaw; new trailer axles; 110 fuel tank w/elec. pump; roll of 4' wide conveyer belt; scaffolding w/alum. walk boards; Weather-guard alum. tool box; several antique steel wheels; (2) 15'x2' new steel culverts; concrete culverts - (3) 15'x8', (6) 18'x8', (6) 24'x8'; plastic culverts - 12'x16'; wire roller for 4-wheeler; (3) 10' tallx9' wide insulator for garage door; L-shaped alum. tank w/elec. pump; 100 lb. propane tank; older 220 welder; 14' V-bottom boat; manual tire machine; Heil 14' dump truck bed, good.

ATV: 2008 Polaris 500 Sportsman AWD, very nice; Polaris Outlaw low miles, need throttle cable; Suzuki Hx 400 4-wheeler; 2013 Honda rancher, 2200 mi.

GUNS sell at 12:00 pm: Browning 22 cal, semi automatic, new in box, never fired; Remington 770 300 windmag, w/scope & strap, nice; Winchester 1300 semi automatic, 12 ga. shotgun, nice; New England Pardner SBI 20 ga, 3 in mod, nice SS; Savage 220, 20 ga, 2 3/4 SS, nice, engraved; Mossberg 20 ga, 2 3/4 model 185 D-C w/adj. choke BA; Remington 12A 22 pump rifle; *From the Estate of James (Russell) Spencer:* NH 492 PT swather, very nice; WR 1108 Fronteer 8 wheel rake, nice; IHC 540 manure spreader; NH 851 chain baler w/new fence; AC 4 bottom plow; 3 pt. chain roller; Gaskell built big bale hay trailer; 7x14 wooden box wagon w/ gears & hoist; gravity wagon & gear; wheat drill w/seeder; 3 pt. seeder; 10' disk; pickup bed trailer.

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000 SPRING CREEK RD. (NEW YORK HILL)




OPEN HOUSE: Sunday, June 10 2-4 PM

TRACT A: Home on 6 acres in Beautiful Spring Creek Valley. **DESCRIPTION:** Unique turnkey home on 6 acres in the beautiful Flint Hills! New York Hill, as this property was once called, was a working quarry many years ago. Come see it now. It is a beautiful hill top with a wood frame metal exterior "Wick" building that houses a very comfortable living area on one side and an open garage area on the other side. The living area has 1 bedroom, living, kitchen and a 3/4 bath. The home has a private well and septic system. This property is protected from the west & north winds with the views to the south and southeast that are spectacular of the Spring Creek valley and the surrounding hills. Just think of it ... Six acres on the top of the serene Flint Hills with a breathtaking 360-degree view ... the possibilities are endless for time of reflection, relaxing and making this home!

8:00 PM • Seller: McNEE FARMS
409 OAK ST, COTTONWOOD FALLS, KS 66845




OPEN HOUSE: Sunday, June 10 2-4 PM

TRACT B: 409 Oak St. is a Morton 60'x56' Garage w/living area possibilities & 413 Oak St. is a 2 bedroom home. **DESCRIPTION:** A modern Morton building. Built in 2014, the landscaping and modern style sets off the property before one even steps inside. The cement drive enters through an 18'x8' automatic door, or a front, patio area has a covered entry. Once inside, one realizes what a nicely constructed building it is. Yes, it was used for storing collector cars, but once inside you can see all the potential for other uses. There is a partitioned area that was used for an office, and there is a 1/2 bath. The building is fully insulated with metal exterior and finished interior metal walls. The flooring is sealed cement. The climate control is heat & air and also an exhaust fan in the cupola for ventilation. Make no mistake, this is a very well-insulated and comfortable building which could easily be converted into a living space, hobby space, storage or potentially light commercial or any combination thereof. Next to this building is 413 Oak St. a 2-Bedroom, 1 bath slab home with 660 sq. ft. It is heated by a wall furnace. The home is made up of wood siding and composition shingles. A great starter or additional guest house to complement the Morton building.

AUCTIONEER'S NOTES: Both Tract A & Tract B offer very unique experiences either in the country or rural county seat town of Cottonwood Falls, KS. Both in the heart of the Flint Hills! **Come to the OPEN HOUSES, Sunday, June 10, 2-4 pm. We look forward to seeing you!**

Pics & terms at: www.GriffinRealEstateAuction.com

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Orders are now being accepted for 2019 Angus Black Book calving books

For years, Angus producers from across the country have kept herd records using the pocket-sized Angus black books. Stacks of the books, some dating back more than 30 years, contain handwritten information about the producer's cattle, memories of where their operations have been and where they are today.

Every detail counts when it comes to managing a profitable herd, and the American Angus Association

is now accepting orders for the 2019 edition of the black book.

"Black books can be the most cost-effective herd management system for your operation," says Ginette Gottswiller, Association director of commercial programs. "They are a popular item with both registered and commercial producers of all sizes."

The 2019 books are available in any quantity for \$3.25 each and can

be customized, free of charge, with purchases of 100 or more. Customized orders may include the operation's logo and contact information foil stamped onto the back cover, while standard orders feature the Association's logo.

Orders must be placed no later than July 31 and customized orders should be proofed prior to sending in the information.

The black books are a way for commercial cattle producers to collect the

information they need for verification programs such as AngusSource or enrolling in marketing programs like AngusLink. Angus seedstock producers find the black book helpful to record information to submit to the Association office. The books include sections for recording pasture usage, calf information, AI breeding records, supplement and cattle treatment records, in addition to a section for notes and a yearly calendar.

All of the information contained in the black books makes them an easy choice for Angus producers wanting to improve their herds: "Cattle records are critical when it comes to making data-driven decisions to improve overall herd profitability," Gottswiller says. "Place your order today to ensure timely delivery this fall."

Books will be shipped on or around the week of October 15 - just in time to distribute to customers

during the fall marketing and holiday seasons. To place orders, contact the AngusSource department at 816-383-5100 or email blackbooks@angus.org.

"The books are a great way to advertise an operation 365 days a year," Gottswiller says. "They are a simple promotion that can be handed out to customers throughout the entire year, on the ranch or at shows and conventions."

Window closing on opportunity for Musk thistle control

By Keith Martin, Livestock and Forage Agent, Wildcat Extension District

We are nearing the end of the time period to control Musk thistle effectively. Musk thistle is primarily a biennial or winter annual species. As a biennial, seed will germinate in the spring or fall and plants remain as rosettes during the entire growing season. Upon surviving a winter, plants will bolt, flower, and produce seeds, taking parts of two growing seasons to complete their life cycle.

Musk thistle reproduces only by seed. Thus, the goal of any control program is to reduce and/or eliminate seed production. Control options include mechanical, biological,

cal, cultural, and chemical methods.

Mowing at the bloom stage will prevent seed production, but it usually takes two or three mowings at two to four week intervals to ensure that musk thistles do not produce seed. Another method to keep musk thistles from producing seed is to cut individual plants two to four inches below the soil late enough in the growing season that they don't have time to produce viable seed. The musk thistle head and rosette weevils can also help reduce seed production.

Cultural control practices are any methods which improve grass vigor and grass cover and would include prescribed burning and good grazing man-

agement. Burning by itself will not kill musk thistle but can remove excessive amounts of litter that prevent good coverage when spraying. Areas with musk thistle should be sprayed about ten to 14 days after burning. Proper burning stimulates warm-season grasses that compete more favorably against musk thistle. Proper grazing that maintains and/or improves the vigor of competing vegetation can also help keep musk thistle populations down.

Musk thistle plants are most easily controlled by herbicides applied during the seedling and rosette stages of growth. Common herbicides such as 2,4-D, dicamba, and picloram as well as those that contain metsulfuron, chlorsulfu-

ron, and aminopyralid are very effective controlling musk thistles in the rosette stage.

Once plants begin to bolt, products with aminopyralid, picloram, dicamba and metsulfuron will need to be used. Most of the previously mentioned products are available in combination with 2,4-D and are also excellent in controlling annual and perennial weeds. Examples of these would include: Escort XP, Graslan L, Grazon Next, Weedmaster, Chaparral, Cimmaron plus and Cimmaron Max.

Always read the label with particular attention to precautionary statements, grazing/haying restrictions, and rates of application.

I would be glad to visit with you about your options in managing this and

other pasture issues. I can be reached at the Wildcat Extension District office

at (620) 784-5337 or you can email me at rkmartin@ksu.edu

Rapid growth of blockchain brings opportunity, change to agriculture

As agribusiness interest increases and use-cases for blockchain technology become more prevalent, agriculture stands to benefit by lower transaction costs, optimized logistics, increased traceability, enhanced food and safety protocols, and potentially greater value creation across the supply chain, according to a report from CoBank's Knowledge Exchange Division.

Blockchain, which is an information storage technology that allows people to record transactions in a digitized, decentralized data log maintained on a network of computers, is already being put to use by major technology companies and some commodity merchandisers.

"This technology offers an opportunity for revolutionary change in food traceability, tracking of commodities and grain trading," said Tanner Ehmke, manager of CoBank's Knowledge Exchange Division. "The new uses of blockchain may be met with initial resistance, but those who break through and adopt the technology early stand to benefit the most."

According to the report, the technology will force supply chain partners to adapt as interest grows in direct-to-farmer marketing channels.

"Tools to connect farmers to the agriculture supply chain via blockchain are already in the works," said Ehmke. "Some of those developments have the ability to transfer the ownership of grain immediately."

In the intermediate term, the adoption of blockchain by retailers and merchandisers could pressure others in the supply chain to utilize the technology. Over the long term, it could hasten bifurcation of the agricultural industry, where those who utilize the technology would increase their influence globally, and those who don't could have access to fewer markets.

AUCTION

THURSDAY EVENING, JUNE 7, 2018 — 5:30 PM

As I am retiring following sells at 9609 15th St. — PERRY, KS
(from stop light in Perry at Hwy. 24 & Cedar St., 2 mi. West on Hwy. 24, 1 mi. South on Thompsonville Rd., 1/2 mi. West on 15th)

Case 995 dsl tractor, fenders, roll bar, hi-lo trans., 3 pt., WFE, 3978 hrs., good rubber; Savage Equip. Model 2138 pecan shaker, 3 pt., SN23189145; Brillion Sure-Stand seeder model 55961, 3 pt.; Cimarron 7' disk, 3 pt.; automatic mist blower, 3 pt., good; Big Ox 7' box blade, 3 pt.; Bush Hog 206 & Woods DS96 rotary mowers, 3 pt.;

NOTE: Most in good to excellent condition. In case of rain most can sell inside. INSPECTION DAY OF SALE ONLY, PLEASE ... Beginning at 3 PM. Concessions available.

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AUCTION

SUNDAY, JUNE 10, 2018 — 11:00 AM

LOCATION: 601 S. Hanover Street — HANOVER, KANSAS

CAR: 2004 Pontiac Grand Am, 4 dr., good tires, needs timing chain.

CONCESSION TRAILER & EQUIPMENT: Newer funnel cake concessions trailer, complete; snow cone machine; cotton candy machine.

PRIMITIVES, ANTIQUES & COLLECTIBLES: Primitive wood cabinet w/shelves; parlor table; 2 hand cwn shellers; pedestal round oak table; 6 dining chairs; wood boxes w/ advertising, all shapes & sizes; wood house doors; screen doors; loveseat; music cabinet; wooden rocker; storage chests; wood stools; reed seat chair; large wood tool chests; crock butter churn; (2) 15 gal. Red Wing crocks; small glazed crock; 5 gal. Acornwares crock jug; other crock items; wood kegs; 5 tokens for 5-cent cigar from Louis Prall, Bremen, KS; 2 tokens for 5 cents off merchandise, Louis Prall, Bremen, KS; 5-cent token for bar; large buzz saw blades; 2 Maytag wringer washers; Autocrat coal burning cook stove; coffee grinder; dishes; spittoon; straight razors & cases; pocket knife collection; box for Humphrey's Homeopathic remedies; 21 Pony Express buttons, 1986-2000; 5 Western ties; feed sacks; school desks; fuel & oil cans; 50+ canning jars; tobacco cans; 50+ advertising tins; kerosene lamps; animal traps; wood canes; scales; many whet stones; calendars 1944-1970, '75; galv. buckets; galv. wash tubs; enamelware; chicken feeders; garden cultivators; double egg case; scythe; some harnesses; painted wood kitchen step stool; pickle jars; irons; Bissell's Grand Rapids sweeper; iron kettle; wood bowl & utensils; carriage lights; some Native American artifacts; wood planes; light fixtures; picture frames; antlers; Griswold Dutch oven; reclaimed lumber; cistern pump; large grinding stones; camping chairs; round house windows; china doll head; guitar; cut limestone blocks; large wrenches; lots of old bottles; milk bottles; 15+ cigar boxes; pipe collection; 2 copper boilers; "Story of the Wild West & Campfire Chats" by Buffalo Bill; car & screws jacks; wood-working tools; 2 reel mowers; all wood rake & pitch fork; 1950s era girls bicycle & tricycle; lots of wood ladders; lots of hinges, locks & hardware; many wood splitting wedges; Thinker statue; 1909 clothing catalog; checkers & board; music bench; (4) 2-man saws; many large saws; 45 rpm vinyl records & vinyl record albums; **many other items too numerous to mention.**

FURNITURE & HOUSEHOLD: Queen Anne style dining set w/1 leaf & 4 chairs; glider rocker; chest of drawers; microwave cabinet; hospital bed w/Sleep Number mattress; dining table & 4 chairs; twin size mattress; sm. table; wood desk; wood computer desk; 2 office chairs; wood desk; Oreck vacuum; bed frames; wheel chair; walkers; TV trays; linens craft supplies; ice chests; kitchen utensils & appliances; Kenmore stand mixer; treadmill; Kenmore sewing machine & table; Electrolux canister vacuum; cookbooks; blood pressure cuff; electric razor; Pampered Chef apple peeler/corer/slicer; jig saw puzzles; rock tumbler; 50+ canning jars; skeet bass game table; scooter umbrella; other items.

TOOLS & MISC.: Roto tiller; Craftsman 20" 4.5hp mower; Ariens snow blower, 2.7hp; wet saw; Weed Eater trimmer; old pickup bed trailer; like new wheelchair lift for minivan; Craftsman table saw; electric saws & drills; electric hedge trimmers; 100s of hand tools; wheelbarrows; wood saw horses; cement working tools; misc. fencing; fishing poles & tackle; reloading equip.; 14 STP treatment cans; **many other items not listed!**

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AUCTION

SUNDAY, JUNE 10, 2018 — 11:00 AM

POTTORF HALL, CICO PARK (South on Kimball & Avery) — MANHATTAN, KANSAS

COINS

35-50TH Anniversary Kennedy halves (in glass top case); Franklin Mint Charter member card collection 1910-1979 tokens; 38 display boxes of State Quarters with various mints; 12 Indian Head pennies; Wheat pennies; Sacajawea dollars; National Parks commemorative coins; unc. Pennies; UNC nickels & dimes; 21 Kennedy \$1/2; uncut sheets of \$1 bills; 40 rolls unc. Nickels; Lincoln cent books; Flying Eagle & Indian cents; US mint quarter proof sets; Buffalo Proof Tribute collection 9 coins; 1968, 1961 & 2011 Proof set; America the Beautiful commemorative quarters & stamps; half Eagle Proof mint Tribute set 9 coins gold plated bronze; coin books & supplies; SBA \$1 books; UNC 240 Presidential dollars (unc. Ballistic); US Buffalo nickel & stamps collectors panel; Franklin Mint wax seal set; 1986, 2002, 2007, 2008 unc. American Eagle dollars; The Lincoln Bicentennial coin collection vol. 1-3 (1918-2010); \$2.00 bill collection (World Monetary Exchange); 66 bills with Presidents & States; 12 World Reserve Presidential unc. Dollars; State Quarters 1999-2002 (5 coins each); National Parks quarters (13 colorized); wood case with 8 holographic quarters; 3 sets of antique car coins; 40-2005 unc. Buffalo nickels; 16 Mercury dimes; War nickels; 21 Buffalo nickels; 14 V-nickels; 8 Kennedy silver \$1/2; 1921 silver \$; 250 unc. Nickels; 7 Reader's Digest Presidential tokens; 3 silver quarters; 7 Walking Liberty \$1/2; 5 Franklin \$1/2; Jefferson nickels; SBA dollars in case; 2-5 coin nickel sets (2004-2006); book of Presidential "Gold" dollars; World's

smallest gold coin set; 2 Washington \$1/2 commemoratives; 3 silver 2011 Proof sets; 2010 unc. Coin set; Lincoln, steel, wheat penny stamps; Kennedy \$1/2; 4 sets of 4 \$2 uncut bills; World Reserve 1st & last penny showcase; framed Lincoln Memorial coins & flag.

PLATES

9-6" Baseball plates-Babe Ruth, Nolan Ryan, Mickey Mantle; 66 large plates-Yankee Stadium, Babe Ruth, Nolan Ryan, Wrigley Field, Legends of Baseball, Ty Cobb, Joe Montana, Lou Gehrig, Michael Jordan, Super Bowl 35, Mark McGuire, John Kennedy, animals, John Wayne, Elvis Presley, Princess Diana, Marilyn Monroe.

COLLECTIBLES

First Day covers; Gold replica US stamps; Quality Artwork; Replica gold & silver coin certificate; Royal Family framed silver ovals; set of 37 Pewter Presidential figurines & wooden display case; 19 John Wayne figurines; Coke thermometer; Dr. Pepper clock & thermometer; Marilyn Monroe doll, calendar & framed stamps; pewter helmet with Wildcat; Birds in flight American Eagle series; various bells; 10 matchbox size cars; 6 famous Baseball Player steins; pewter 7pc train set; wooden plaques with ballplayers; Baseball Greats picture; John Wayne plaques; Anderson Hall etching; windmill with decorations; saw clock; bowling clock; 1985 Royals World Series Coke bottle; Tony Pena bobble head; wood K-State plaques; pewter Wildcat head; plate hangers; picture frames; KSU stadium; various KSU pictures (Stadium etch); sterling silver with 24kt inlay of Anderson Hall; **Ty Cobb, Babe Ruth & Lou Gehrig framed cards;**

collection of Cross pens 22 colors; 7 Radio Flyer toys; John Deere clock/pen set; marble K-State business card holder; Die Cast scale model cars-55,59,57,61, 53 Chevy cars; Franklin Mint King James Bible; collection of 12 porcelain Baseball cards; Nolan Ryan farewell sculpture; encased Babe Ruth baseball; framed baseball players pictures; Bill Snyder autographed football; Oakland Raiders hard hat; K-State & Chiefs stained glass (16"X17 1/2"); 1980 & 1985 World Series programs; KSU mugs; K-State picnic set; KSU cooler; framed 1993 Copper Bowl ticket; **BELT BUCKLES** 2 KSU final 8 year of Big 8; KSU Bowl game buckles 1982, 1993, 1994, 1995, 1996, 1997, 1998, 1999; 2 KSU Basketball buckles & other belt buckles; cameras; binoculars; new safe; brass fireplace screen; Van Briggle creamer; Vintage Salt & peppers; pocket watches; character & KSU men's watches; men's rings; cuff links; tie bars; pictures; 1856 Benson Bible commentary books; **POCKET KNIFE COLLECTION;** lighted replica of Statue of Liberty & Twin Towers. Toro 6.5HP push mower with bagger; 2-ton floor jack; router; Razor scooter; B&D cordless drill set; Makita cordless drill; Milwaukee jig saw; B&D cordless tool set; Workmate bench; new in box Band saw; Makita disc grinder; payload finish nailer; electric planer; shop vac; router & bits; dado blades; 6' aluminum step ladder; 50pc set of router bits(new); bench grinder & stand; shovels; garden tools; clamps; levels; extension cords; lawn chair cushions; pole saw; air compressor; Solo backpack sprayers.

NOTE: Many Franklin Mint sets of coins, lots of various displayed coins. Many Sports memorabilia pieces. Unique Collection this is a partial list! Come Enjoy! Huge collection-many collectibles, tools & more tools. Very clean Auction. CONCESSIONS!

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After failed vote, Kansas Corn urges House to pass farm bill

The Kansas Corn Growers Association is disappointed with the House of Representatives' failure to pass H.R. 2, the 2018 Farm Bill. KCGA partnered with National Corn Growers Association as well as other Kansas commodity and agriculture groups to encourage the House to turn back attacks on the crop insurance program and any other amendments that

would doom passage of the Farm Bill. The House voted down the damaging amendments, but failed to pass the bill on the floor. The House must pass the Farm Bill before the bill moves to the Senate.

"It's very disappointing, and I think the majority party should be able to work together to pass this key piece of legislation when it comes up again for a vote," said KCGA president Ken McCauley, White Cloud. "We are on a limited timeframe to pass the 2018 Farm Bill before it expires in September. Es-

pecially in these difficult financial times for farmers, we need the certainty of the Farm Bill, and we will continue to work with our Kansas Congressional delegation to get the 2018 Farm Bill to the President's desk."

KCGA's top priority in the 2018 Farm Bill is to protect and preserve a strong and viable crop insurance program as well as the safety net programs which are important to farmers, especially at a time when the farm economy is experiencing a major downturn.

Suicide rate higher in rural areas

For many, the peace and quiet of country living is the American dream. But that dream can turn to a nightmare for those who become isolated and disconnected from their communities, says University of Missouri Extension safety and health specialist Karen Funkenbusch.

May is Mental Health Month. It is a good time to talk with rural family members about increased risks of suicide, says Funkenbusch.

Suicide is the tenth-leading cause of death among Americans and the second-leading cause for adults 25-34. "The time to change these statistics is now," she says.

From 2001-2015, suicide rates were consistently higher for rural residents than urban residents, according to the Centers for Disease Control and Prevention (CDC).

Rural communities have a reputation as tightly knit towns where everyone knows everyone. While this may be the case for many, rural life poses risks for marginalized groups. These groups include racial and ethnic minorities, LGBTQ persons, those living in poverty, and newcomers.

Those at higher risk of suicide include children who witness or experience violence and women in abusive domestic relationships. Alcohol use also contributes to increased suicide attempts. About 40 percent of suicide attempts involve alcohol.

Funkenbusch says rural communities often lack mental and behavioral health services and transportation. Workers in agricultural communities often face other barriers such as access to health insurance. CDC reports that more than half of U.S. counties don't have a social worker, psychologist or psychiatrist. There also may be sociocultural factors such as stigma against seeking help, especially for males, she says. Distance from medical service providers often hampers emergency health care for those suffering from serious self-inflicted injuries or overdoses.

Funkenbusch suggests some ways rural community members can prevent suicide:

Strengthen community economic support systems, especially those that provide stable housing and employment.

Strengthen access to and delivery of mental health care.

Create protective environments. Promote the locking of guns and medicine cabinets. Promote community engagement through activities.

Teach coping and problem-solving skills in school, churches and community groups.

Identify and support people and groups that are at risk.

Finally, have conversations with family members to create a caring culture within the community.

Suicide prevention begins with caring conversations of awareness of those within our communities, Funkenbusch says.

For more information about Mental Health Month, visit mentalhealthamerica.net/may.

LAND AUCTION

SATURDAY, JUNE 23, 2018 — 12:00 NOON
At the farm, the home place at 1144 King Road, 1 1/2 miles north of Diamond Center, northwest of LINN, KANSAS. The personal property will also be sold, starting at 10:00 AM.

480 ACRES WASHINGTON COUNTY, KANSAS LAND
TRACT 1: The NW 1/4, the N 1/2 SW 1/4, and the W 1/2 NE 1/4 35-3-2, Coleman Township.

This farm, 320 acres, more or less, consists of approximately 182 acres gently to moderately sloping terraced cropland, 90 acres warm season grass pasture, 13 acres CRP, with the rest of the farm being waterways and excellent wildlife habitat. The cropland is mostly Crete soils with some Longford. The cropland is planted to soybeans and corn. Bases and yields: 83 acres wheat, 44 bushels; 74 acres corn, 95 bushels; 82.5 acres soybeans, 41 bushels. The 2017 taxes were \$4,358.73. The northwest corner of the farm is the intersection of 13th Road and Jade Road.

TRACT 2: The S 1/2 SE 1/4 25-3-2, Coleman Township.

This farm, 80 acres, more or less, consists of approximately 40 acres gently to moderately sloping terraced cropland, with the rest of the farm being a mix of hay land, timber, and excellent wildlife habitat. The cropland is mostly Crete soils. The cropland is planted to soybeans. Bases and yields: 18.5 acres wheat, 44 bushels; 16.5 acres corn, 95 bushels; 17.8 acres corn, 41 bushels. The 2017 taxes were \$806.50. The southeast corner of the farm is the intersection of 13th Road and Liberty Road.

TRACT 3: The W 1/2 SW 1/4 1-4-2, Strawberry Township.

This farm, 80 acres, more or less, is all grassland, nearly all warm season grass. Formerly, 55 acres was terraced cropland and has mostly recently been in the CRP. The soils are a mix of Crete and Longford. There is a very good, modern, 2 story, 5 bedroom, 2 bathroom home, 2 car garage, a good barn, and mature trees and shrubs. This is a very attractive, well located farmstead. A new water well is being drilled and the water system is being updated. The southwest corner of the farm is the intersection of 11th Road and King Road. The 2017 taxes were \$1,725.08 (est. 75 acres: \$979.08 & 5 acre farmstead: \$746.00)

To see the house and farmstead, call for an appointment, or come to an Open House on Sunday afternoon, June 10th from 1:00-2:30, or on Sunday afternoon, June 17th from 1:00-2:30.

Tract 3 will be offered in 2 tracts, separately and together: the 5 acres with the farmstead and the 75 acres of grassland; and will be sold in the manner that brings the most money.

Terms: Ten percent down, the balance due in 30 days. Possession will be given at closing, subject to the tenants' rights. The Buyers will receive the cash rent for 2018. Possession of the grassland on Tracts 1 and 3 will be given at closing.

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PERSONAL PROPERTY AUCTION

SATURDAY, JUNE 9, 2018 — 10:00 AM

AUCTION LOCATION: 16502 Mourning Dove — HARVEYVILLE, KS

SELLER: The Estate of Jonas "Lee" & Maxine Potter

DIRECTIONS: From the West side of Harveyville, go North on Harveyville Rd. for 2.5 mi. to Headwaters Rd., turn West and continue for 3 mi to Mourning Dove Rd., turn North and continue for 0.5 mi. to the auction site on West side of the road at the T-intersection of Mourning Dove Rd. & Cottontail Rd. **WATCH FOR SIGNS.**

TRACTORS & VEHICLES (Sell at Noon): John Deere 4020 w/ Koyker K5 Loader; Farmall M; JD A, w/ JD 45 Loader; Farmall Super MTA; 1974 Chevy 2500 Pickup, 2wd; 1963 Chevy C/60 Grain Truck; **EQUIPMENT:** Gehl Mix-All Model 55; Vermeer Model 504 G Baler; International 45 Vibra Shank; Case 80 Manure Spreader; 3-pt Big Rhino 8-ft Swivel Blade; 12-ft Disc; JD 100 8-pt Chisel; Liquid Manure Spreader; **QUILTS:** Quilts (25-30+); Quilt Tops (140+); Brother LX-3125 Sewing Machine; Lots and Lots of Sewing/Quilting Material, Pre-Cut Quilt Patterns, Quilt Squares, Misc Items; **ANTIQUES:** Kellogg Oak Phone; Aladdin Green Oil Lamp; Hoosier-Style Cabinet; Dr Machine KKK Dovetail Wood Crate; White Primitive Kitchen Cupboard; Small Oak Drop Front Secretary; Wrought Iron Bed; Retro Red/Chrome Table w/ 4 Metal Chairs; Vintage Angler Fly & Casting Split Bamboo Rod in Orig Case; Single Wash Tub on Stand; Hull Water Lily Vase L-9-8 1/2"; **TOOLS:** John Deere 316 Lawn Tractor [#M00316X365264]; JD Lawn Tractor Blade & 3-pt Box Blade; Troy-Bilt LTX-1842 Lawn Tractor; **HOUSEHOLD:** Estate Refrigerator; Sanyo Flat Screen LCD TV w/ DVD Player; 3-pc Blonde Bedroom Set; **This is just a partial listing, we will run 2 rings the majority of the day. See website below for complete listings!**

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Report from May 23, 2018:

STEERS		HEIFERS		TOP BUTCHER COW:		TOP BUTCHER BULL:	
2	448	175.00	175.00	\$65.00 @ 1,640 lbs.	\$86.50 @ 2,285 lbs.		
3	482	170.00	175.00				
4	503	168.00	175.00				
12	589	162.00	175.00				
7	604	161.00	175.00				
9	622	147.00	175.00				
11	733	137.50	175.00				
5	828	125.00	175.00				
6	856	124.00	175.00				

UPCOMING SALE SCHEDULE

- Wed., June 6th - NO SALE
- Wed., June 13th - Regular Sale
- Wed., June 20th - NO SALE
- Wed., June 27th - Regular Sale
- Wed., July 4th - NO SALE

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

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

Report from May 22, 2018:

STEERS		HEIFERS		TOP BUTCHER COW:		TOP BUTCHER BULL:	
6	455	177.00	173.00	\$67.50 @ 1,805 lbs.	\$94.00 @ 2,180 lbs.		
3	390	192.00	177.00				
4	430	179.00	173.00				
2	495	161.00	173.00				
4	559	160.00	173.00				
2	613	153.00	173.00				
1	805	122.50	173.00				

UPCOMING SALE SCHEDULE

- Tues., June 5th - Regular Sale
- Sat., June 9th - SHEEP/GOAT SALE
- Tues., June 12th - NO SALE
- Tues., June 19th - Regular Sale
- Tues., June 26th NO SALE
- Tues., July 3rd - NO SALE
- Sat., July 7th - SHEEP/GOAT SALE

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Date: 5/23/18.
COWS: \$59-65.50; \$52-\$58.75; \$51 & down.
BULLS: \$83-\$93.50.

BULL CALVES		STEERS	
6 blk	876@118.00	3 mix	375@155.00
5 blk	853@116.00	5 blk	547@168.00
.....428@163.00		3 mix	505@166.00
HEIFERS		4 mix	558@166.00
4 bkbwf.....		3 blk	575@164.00
.....486@157.00		4 blk	609@161.00
5 blk 420@155.00		4 blk	686@143.00
3 mix 553@146.50		13 blk fleshy	
12 mix.....	853@123.50	
.....665@134.00			
3 blk 640@132.50			
3 blk 665@131.00			
4 blk 610@130.50			



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MITCH LANGVARDT
Cell: 785-761-5814

LYNN LANGVARDT
Cell: 785-761-5813



Dairy farmers gain margin protection before new farm bill passes Congress; sign-up deadline is June 1

A new milk price safety net for dairy producers is in place. To take part farmers must rush to their local USDA farm service center.

Milk producers must sign up for the first time or re-enroll by June 1.

Most dairy farmers don't like the original USDA Margin Protection Program (MPP). That's a dairy financial safety net in the current farm bill.

The margin is the difference between the milk price and the cost of making that milk.

Farmers found the

safety net didn't work, according to Joe Horner and Scott Brown, MU Extension economists. "Farmers paid premiums for a few years and got no insurance payments," Horner said.

But MPP has changed. Congress revised MPP this spring and reopened 2018 sign-up. That closes June 1.

"Any dairy farmer who takes time to go to their Farm Service Agency can learn about the program. They will like it," Brown said. "This helps milk producers."

"For dairy farmers selling less than five million pounds of milk it's a no-brainer," Horner said. That's the amount of milk from about 300 head of average Missouri dairy cows.

Producers can cover different margins. Those selecting an \$8 margin for 90 percent of their milk base will receive the highest payment. "That's a safety net," Horner said. Another advantage is coverage goes back to Jan. 1 of this year.

The \$8 level of margin insurance costs less

than 15 cents per hundredweight of milk for the first five million pounds insured. Government payments for February and March are already known and will more than pay for a year's insurance coverage.

"It's like insuring your car after an accident," Horner said.

In one option, producers don't have to write an insurance payment check. Milk dealers will take premiums out of their monthly milk check.

There is still a \$100 administrative fee. But

some farmers get a waiver. That includes veterans starting to farm, and socially disadvantaged and limited-resource farmers.

FSA and Extension urge not waiting until the last day to sign up. A Memorial Day holiday cuts open days.

All producers must sign up, even if they are enrolled under the old program.

"I don't know what milk prices will be at the end of the year," Brown said. "But any drought will make feed prices go up. That shrinks margins

and turns the revised MPP program into the safety net new producers wanted."

Although advisers say join, the FSA program remains voluntary.

As in any government program, there are forms to fill out first. Help is available at FSA local offices.

But two things are needed. Producers must know their margin they want to protect. Calculators and FSA advisers help with that.

Most important is to not miss the June 1 deadline.

U.S. beef imports to Taiwan increased 20% in first quarter

Despite having a population of just 23 million, Taiwan consistently ranks as one of the leading destinations for U.S. beef, according to the U.S. Meat Export Federation (USMEF).

In 2017, the U.S. captured 75 percent of Taiwan's chilled beef market — the highest share of any Asian destination — and market share continues to increase in 2018.

"The average price per pound of U.S. beef entering

Taiwan is higher than any international market except for the European Union, where we face additional costs due to the EU's import restriction," said Joel Haggard, USMEF senior vice president for the Asia Pacific region.

"Taiwan looks really promising for future growth, as millennials and generation Z consumers love to eat beef, either as steaks, in Korean barbecue houses and hot-pot restaurants, or even as burgers when they dine

out — and they dine out often," he said.

Surveys showed that, prior to USMEF establishing an office in Taiwan in 1999, more than one-fourth of the population didn't eat beef at all. But the island has developed a very strong appetite for beef. The country has no significant domestic beef cattle production, so it relies entirely on imports including the U.S., Australia and New Zealand. Read more at tinyurl.com/Taiwan-US-Export.

Review animal health challenge areas to assess feed hygiene

By Buffy Uglow, Rock River Laboratory Inc.

As new and different farm management schemes are adopted and new ensiling technology

continues to emerge to improve feed fermentation across all sectors of the agriculture industry, the opportunities for improved feed hygiene also grow. The term "feed hygiene" refers to the anti-nutritional factors that affect the purity and sanitation of feeds — from the field, to fermentation and through feeding. Even while knowledge in the sector of anti-nutritional factors continues to grow and management factors that contribute to poor feed hygiene are identified, an easy solution to combat all of these aspects remains unfound.

"We are recognizing bacterial loads in feedstuffs to a far greater extent than ever before, and they are appearing in more places than ever before," says John Goeser, Rock River Laboratory animal nutrition, research and innovation director. "For instance, clostridia outbreaks are usually re-sign to just haylage, but we can also find these bacteria in corn silage and even TMR (total mixed rations)." Goeser explains that when anti-nutritional factors, like fungi or pathogenic bacteria, are present in feed, it is a sign of contamination.

"These anti-nutritional factors arise from feed contaminations and management practices like dirty buckets, tracking dirt into feed, spoiled feed polluting fresh feed in mixers, and bird excrement, in addition to being field-borne," explains Goeser.

Four contributors

Regardless of how the contamination occurs, Goeser explains that animal

health challenges likely spawn from multiple compounding factors. He focuses upon four major contributing categories.

"The first thing producers and their consultants should do is identify what they are dealing with," advises Goeser. "Review the four contributing areas, then utilize analysis and on-farm assessment to determine what the animals are up against."

1. Fungal contamination from mold, yeast and mycotoxins

"Mold, yeast and mycotoxins are relatively well-understood compared to other factors here, but there is always more to learn," says Goeser. He recommends analyzing feedstuffs that are suspect for any of these anti-nutritional factors. "Depending on the analysis chosen, a producer can determine the level of the mold, yeast or mycotoxin in the feed, and in some cases, even identify the species."

2. Environmental and management stress

"Temperature swings, overcrowding, poor cow comfort or anything else that stresses animals can contribute to a less-than-optimal immune system response," explains Goeser. He shares that when an animal is stressed, cortisol is released, which in turn suppresses the immune system's ability to fight pathogens, ultimately showing up in the form of a sick animal.

3. Nutritional stress

"Nutritional stressors such as variations in feeding, inconsistent feed delivery or slug feeding, not pushing feed up frequently enough, delivering the wrong diet, or poor starch digestibility can really wreak havoc — especially on ruminants," states Go-

eser. He explains that ill starch digestibility can result in an influx of grain into the hindgut.

"If it doesn't digest in the rumen, compensatory digestion in the small intestine takes place, which may provide an environment for pathogenic, opportunistic fungi or bacteria."

4. Pathogenic or efficiency-robbing bacterial load

"A successful fermentation should wipe out many bad bacteria," says Goeser. "For example, enterobacterial populations, which are generally undesirable, have been shown to be completely eliminated by a successful silage fermentation."

He adds that keeping bacteria at bay or killing them off is part of the fermentation process. However, inadequate fermentation from oxygen infiltration via poor seals or plastic damage, aerobic feed spoilage, or feed contamination at feedout (i.e., mud or manure getting into the TMR) can result in the presence of bad bacterial loads.

Every farm is different

"Each farm is a petri dish, and each farm is different," says Goeser. "Producers should consider that which they can't see — there is a lot more going on than meets the eye."

Goeser cites various areas as possible contrib-

utors to the continually growing feed contaminations, including greater anti-nutritional factors in the fields following changes in tillage practices or warmer and wetter conditions. Rock River Laboratory has also recognized a seemingly linear increase in log counts of feedstuff fungal measures for the past five to seven years.

"Cows can usually fight off the low-level factors without an impact on their health," says Goeser. "But increased contaminant intakes with today's high-producing herds, combined with mycotoxins or stress, are bringing high-production cows to breaking points."

Merging veterinary and nutritional science

As bacterial challenges arise and grow into clinical outbreaks, a veterinarian's insight may be needed to assess and provide antibiotics, etc., in addition to a nutritionist's assessment. Goeser advises producers to work with both their nutritionist and veterinarian to minimize or rid the herd of the animal health challenges.

"Develop a strategy with your veterinarian and nutritionist to combat the identified subject," recommends Goeser. "Consider running a TMR hygiene diagnostic test and put a strategy in place with a goal to greatly diminish or completely banish all on-farm feed contamination."

Poor feed hygiene combined with compromised animal immune status and feed management lapses packs a punch, with the potential to put large groups in the sick pen. Regardless of the type of animals fed, producers should proactively monitor feed visually and with analysis to assess risk factors that are

either obvious or invisible to the human eye. By putting protocols in place for successful fermentation, the risks of anti-nutritional factors are reduced, but more often than not, proactive nutritional management strategies should be followed as more and more detriments to good feed hygiene surface.



Central Livestock
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www.centrallivestockks.com

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

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

Results From May 22nd Sale:

Holstein Steers			
300-400	\$58.00-\$90.50	700-800	\$68.00-\$78.00
400-500	\$76.00-\$92.00	800-900	\$71.00-\$88.00
500-600	\$71.00-\$91.00	900-1000	\$70.00-\$74.50
600-700	\$74.00-\$89.00		

Sat., June 2nd- Horse & Tack Sale
Tues., June 5th- Cattle & Hay Sale
Tues., June 12th- Calf/Yearling Special
Sat., June 16th- Hog/Sheep/Goat Sale
Tues., June 19th- *NO SALES*****
Tues., June 26th- *NO SALES*****
Tues., July 3rd- *NO SALES*****
Sat., July 7th- Horse & Tack Sale
Back to Normal Weekly Schedule
Starting July 10th

Eureka Livestock Sale

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

Sale Every Thursday at 11:30 a.m. Sharp
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On Thursday, May 24, we had 417 head of cattle on a good market.

STEERS		HEIFERS		6 wf	820@115.00
8 blk	464@172.00	2 bwf	240@160.00	6 bkbwf	1035@114.50
2 bkbwf	665@155.00	22 bkbwf	428@155.00	BULLS	
5 bkred	520@151.00	4 bkChr	316@151.00	6 blk	407@162.00
2 bkbwf	640@144.00	8 blk	488@142.00	8 blk	468@160.00
10 bkbwf	798@139.50	5 bkrd	485@138.00	3 blk	367@160.00
5 bkred	721@135.00	8 blk	656@129.00	3 blk	477@148.00
25 bkbwf	975@119.25	4 Chr	664@125.00	3 blk	538@144.00
22 bkbwf	1160@115.75	4 blk	959@118.00	5 bkgry	702@115.00

Butcher Cows: \$40-\$71.50, mostly \$55-\$64, steady to \$2 higher.
Butcher Bulls: \$50-\$97.00, mostly \$83-\$88, steady to \$2 higher.
Selling on a very active market.

BUTCHER COWS			1 blk	1950@92.00
1 blk	1135@71.50	1 blk	1685@91.50	
1 Char	1185@70.00	1 blk	1785@91.00	
1 blk	1330@68.00	1 blk	2205@90.50	
1 blk	1235@66.50	1 Limbo	1610@89.50	
1 blk	1675@66.50	1 blk	1780@89.50	
2 Char	1498@66.00	1 blk	1975@88.50	
1 blk	1230@65.00	1 wf	2010@88.50	

BUTCHER BULLS
1 blk 1985@97.00

EARLY CONSIGNMENTS FOR MAY 31

- 100 mostly blk hfrs, 700-900 lbs, off the grass and open
- 110 mostly blk str, 800-925 lbs, off the grass
- 50 blk red str & hfrs, 500-700 lbs.
- 40 blk str & hfrs, 450-600 lbs, long time weaned & vac.

EARLY CONSIGNMENTS FOR JUNE 14

- 130 blk bwf & few Char X cows from 1st calf hfrs to 8yrs, all home raised. Bred to Angus and red Angus bulls. Start calving Sept. 1. Complete dispersal, very top set of Fall calving cows.
- 130 Angus & red Angus str & hfrs, 600-750 lbs, off these cows.

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Mobile Cell 620-750-0123
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Mobile Cell 620-750-0222

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2595 SE Highway 54, P.O. Box 622,
El Dorado, KS 67042

Market Report - Sale Date 5-24-18. Head Count: 438.

300-400 lb. steers, \$130-\$181; heifers, \$136-\$164; 400-500 lb. steers, \$125-\$172; heifers, \$125-\$147; 500-600 lb. steers, \$120-\$164.50; heifers, \$120-\$136; 600-700 lb. steers, \$120-\$155; heifers, \$100-\$137.00; 700-800 lb. heifers, \$100-\$132.75. Trend on Calves: Steady market on a light test. Trend on Feeder Cattle: Not enough big cattle to test market. Butcher Cows: High dressing cows: \$51-\$65; Avg. dressing cows: \$40-\$53.50; Low dressing cows: \$25-\$40. Stock Cows: Bred cows, \$825-\$1190. Butcher Bulls: Avg. to high dressing bulls, \$65-\$88. Trend on Cows & Bulls: Steady.

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

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

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*****STARTING TIME: 12:00 NOON*****

MARKET REPORT FOR TUESDAY, MAY 22, 2018
RECEIPTS: 1119 CATTLE
VIEW FULL RESULTS ON OUR WEBSITE.

STEERS		HEIFERS	
2 blk char str	295@190.50	2 bwf hfrs	300@175.00
3 bwf rwf str	383@185.00	3 blk hfrs	406@168.00
10 blk bwf str	426@180.00	7 blk hfrs	437@165.00
2 blk str	512@171.50	3 blk hfrs	421@159.00
3 blk bwf str	508@170.50	2 red hfrs	512@155.50
10 blk str	550@168.25	2 blk bwf hfrs	535@155.00
7 blk red str	557@164.50	5 blk bwf hfrs	500@154.50
10 blk bwf str	484@164.50	6 blk red hfrs	525@152.50
5 blk str	607@160.00	8 blk red hfrs	538@148.50
5 blk str	630@157.50	5 blk red hfrs	501@146.00
5 blk red str	639@152.00	3 blk hfrs	583@144.50
5 bwf rwf str	655@148.50	15 blk bwf hfrs	626@139.50
6 blk char str	689@143.00	3 blk hfrs	570@139.00
8 blk char str	773@129.00	5 blk bwf hfrs	592@138.50
18 bwf rwf str	795@128.50	3 blk bwf hfrs	575@133.50
13 blk bwf bulls	776@122.00	6 red rwf hfrs	681@130.50
59 mix str	905@119.75	4 blk hfrs	661@127.00
52 mix str	961@117.00	4 blk hfrs	773@125.25
52 mix str	990@117.00	35 blk hfrs	810@123.00
18 blk char str	962@116.50	5 rwf bwf hfrs	756@122.25
3 hols str	478@87.00	5 blk hfrs	818@119.75
8 hols str	628@86.00	3 red blk hfrs	813@116.00
6 hols str	772@69.00	7 blk char hfrs	1025@115.00

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U.S. pork industry is focused on safeguarding natural resources

In light of a recent court ruling in North Carolina regarding hog production, the National Pork Board is sharing the strong record the U.S. pork industry has on the environment and sustainability efforts.

"Sustainability on the farm is an ongoing commitment by pig farmers today," said Terry O'Neel, National Pork Board president and a Nebraska pig farmer. "As an industry, farmers are committed,

through ongoing environmental sustainability efforts, to safeguard natural resources for future generations."

Over the last decade, the U.S. has played a leading role in advancing animal agriculture's environmental and conservation efforts. Respect for the earth and its natural resources is part of the U.S. agricultural heritage and America's pork producers are dedicated to preserving that legacy. Long-term

efforts have helped pig farmers raise more pork using fewer natural resources than ever before.

A key reason is new technology in place on farms across the country which improve sustainability and air quality, preserve soil quality and reduce land, water and energy use. In a 50-year look-back completed by the University of Arkansas in 2012 – and which is currently being updated with data through 2015 –

U.S. pig farmers had reduced land use by 78 percent, reduced water use by 41 percent, and had a carbon footprint that was 35 percent smaller. Preliminary data over just the past five years shows continued progress.

Additionally, pig farms throughout the U.S. carefully manage the manure that is produced, and do so according to the requirements of all environmental permits and regulations. Manure is a valuable

nutrient resource for the production of all crops, and is applied to fields in accordance with agronomic needs of the crop and according to state and federal regulations.

"Pig farmers learn from the examples of others and we routinely share best practices," said O'Neel. "That's the motivation behind the development in 2008 of our We Care platform and its six ethical principles of

production."

We Care, which marks a decade of commitment this year, includes steps to:

- Produce safe food
- Protect and promote animal well-being
- Ensure practices to protect public health
- Safeguard natural resources
- Provide a safe work environment
- Contribute to a better quality of life in our communities

K-State takes Reserve Champion Sweepstakes Award at major national conference

The combined placing of nine agricultural competition teams at the 2018 North American Colleges and Teachers of Agriculture Judging Conference has earned Kansas State University reserve champion in the Sweepstakes Award for the four-year division. This was the first time that K-State has entered enough contests to qualify for the sweepstakes challenge.

The conference was hosted by Northeast Community College in Norfolk, Nebraska, April 19-21. A

total of 27 four-year and 16 two-year schools competed with 767 individual contestant entries in 13 different contest areas. K-State hosted the NACTA Judging Conference last April.

K-State teams placed first in Equine Judging and Precision Agriculture, second in Crops, Soils, Knowledge Bowl, Dairy Judging, Agriculture Sales/Communications, and Computer Applications, and third in Livestock Management. Several students competed on more than one team.



Kansas State University students won the 2018 Reserve Champion Sweepstakes Award – 2018 North American Colleges and Teachers of Agriculture (NACTA).

Iowa State University was the sweepstakes champion by a slim margin.

Top three overall individual awards were earned by Emily Hudson, Troy, Missouri, first place, Ashley Hoffman, Basehor, second, and Christian Callihan, Colby, third in Equine Judging, Clint Koupa, Lincolnville, first in Precision Agriculture, Nicole Sudbeck, Seneca, second in Crops, and Abby

Friesen, Colby, third in Computer Applications.

In addition to the 1-2-3 sweep of the individual awards by Hudson, Hoffman and Callihan, the Equine Judging team took first place in all three contest divisions: halter, performance and oral reasons. The fourth team member was Caitlin Dreher, Iola.

Joining Clint Kroupa on the Precision Agriculture

team were Chris Weber, Hoxie, Will Moreland, Medford, Oklahoma, and Keren Duerksen, Newton. The team placed first in the exam and analysis sections, and second in component identification.

Crops team members in addition to Nicole Sudbeck were Chris Weber, Keren Duerksen, and Sarah Zerger, Cheney. Alternates were Nate Dick, Inman, Kaylin Fink, Chapman, Trent Frye, Belleville, Tyler Marr, Formoso, and Katie Fross, Hays. The team placed first in the lab practical component and second in identification, agronomic exam and math practical.

Members of the Soils team were Keren Duerksen, who led the team with seventh place overall, Chris Weber, Sarah Zerger, and Katie Fross. Alternates were Abigail Kortokrax, Azle, Texas, Jagger Borth, Meade, and Paul Glover, St. George.

Members of the Dairy Judging team were Lance Coe, Soldier, Ryann Allison, Fort Scott, Jessica Hanson, Ulysses, and

Molly Roach, Rantoul. The team placed first in oral reasons and second in placings.

The Knowledge Bowl team consisted of Nicole Sudbeck, Sarah Zerger, Will Moreland and Jenna Chance, Lebanon, Indiana. Chris Weber was the alternate.

The Agriculture Sales/Communications team included Leah Giess, Pierz, Minnesota, Chelsie Callihan, Colby, Mary Marsh, Arbuckle, California, and Tarra Rotstein, Ocala, Florida. The team placed second in both the exam and the written media plan components.

Joining Abby Friesen on the Computer Applications team were Nicole Sudbeck, Will Moreland and Jenna Chance. The team placed second in both the general knowledge and application sections.

The Livestock Management team was led by Jenna Chance who placed first in the exam component. Other team members were Will Patterson, Holton, Olivia Harrison, Saybrook, Illinois, and Morgan Scilacci, Baker City, Oregon. The team placed first in knowledge exam and second in problem solving.

Kevin Donnelly served as coach for the Crops, Knowledge Bowl, Precision Ag, and Computer Applications teams. Mickey Ransom and Erin Bush coached the Soils team. The Equine Judging team was coached by James Lattimer and Rachel Sorensen. Jarrod Blackburn was the Dairy team coach and Audrey King coached the Ag Sales/Communications team.

AUCTION

SUNDAY, JUNE 10, 2018 — 10:30 AM
703 3rd Street — AXTELL, KS • 2 blks W. of the High School

SHOP EQUIPMENT

Wood splitter 26 ton w/8.5 HP Briggs & Stratton eng.; Lincoln 225 AMP stick welder & helmet; cutting torch w/bottles, cart & gauges; Huskee riding mower, 42" cut 16 HP; Huskee 6 HP tiller; rear tine tiller, not running; portable air compressor, 20 gal.; AMF snow blower, 5 HP, 26"; battery charger, chop saw, hydraulic floor jack, shop vac; Porter cable air finish gun, handyman jack, high speed grinder; 3/8" & 1/2" drill, 1/2" impact wrench; chain hoist, tap & die set, Craftsman jig saw; Craftsman miter saw, Craftsman belt or disk sander; Ryobi 10" wood planer; Skil band saw, 10"; Craftsman floor mount drill press; Delta table saw; radial arm saw; power washer – 1500 psi; 2 wheel dolly; 40" wood lathe; Stihl 041 chain saw, 16" bar; Homelite chain saw, 24" bar; router table; propane space heater, 50,000 btu; 52 piece socket set: 1/4, 3/8, 1/2"; wire stretchers; receiver hitch, ball hitches; 3 wood hand planers; wheelbarrow; yard fertilizer spreader & yard aerator; 3 strap hoists; 4 furniture clamps; 2 lineman crimpers; 1/2" & 3/4" rigid bender; misc. tools & electrical supplies; 4 furniture clamps; tree trimmer.

COLLECTIBLES

Fairbanks Morris Hit & Miss Motor w/cart; 2 railroad jacks; hand corn sheller; 2 cast iron seats; 2 wooden chicken crates; ice tongs; 2 wooden apple boxes; neck yoke; cob fork; 4 snow sleds; Cain's grocery metal sign 3'x5'; 5 wooden chairs; bird bath; yard art; small school bell; steel wagon wheel; copper boiler; butter churn; old quilts; misc. lanterns; cherry pitter; meat grinder; Minute Tapoca wooden box; picnic basket;

MISCELLANEOUS

2 rolls of snow fence; approx. 25 steel post; 12 electric fence post; 1 new roll of barb wire; cattle rub; cattle probe; live trap; misc. fishing poles & tackle; alum. extension ladder; homemade wood stove; 4 pieces of metal scaffolding; junk iron; cedar & walnut sawed lumber; pistol grip syringe

TRACTOR & MACHINERY

1944 Farmall A WF, good rubber, hand crank; 1 bottom plow; 1 row lister; 24" rear tractor chains; Diamond belt driven corn grinder; 5' shredder, pull type; 2-wheel trailer; Lone Star 14' boat & trailer w/motor & oars.

FURNITURE

Patio table w/5 chairs; china hutch; Oak dining table w/4 swivel chairs; recliner; roll top desk; cedar chest; dresser, 4 drawer; glider swing; lift chair; folder chairs, 8; ping pong table top, 5'x9'; Gibson deep freezer, chest; quilt rack; fish tank; 2 Singer sewing machines.

WOODEN WALL PHONE (PARTS);

1894 The Breeders Gazette Book (poor condition); coffee grinder; coal bucket; 2 suicide cut outs for 2300 volts; 1 1/2 gal. crock jug; buggy foot warmer; 2 old Ford hub caps; misc. old axle caps Ford & Essex; cistern pump; Perfection heater; pressure cooker; 3'x6' chalk board; 2 ice cream makers (White Mountain); silverware set – 12; globe.

GUNS

Remington 243, Model 788 w/ scope; Mossberg 12 ga. pump; 410 single shot; Mossberg 410, Model 183D-C; Springfield 20 gas., Model 67BR; Stevens 22, Model 15A single shot; Remington 22, Model 550; Winchester 22, Model 1906; Daisy pellet gun; misc. shells & shell boxes; metal gun cabinet, 8 gun.

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CHECK US OUT ON

GRASS & GRAIN

AUCTION

SATURDAY, JUNE 9, 2018 — 10:00 AM
At the house, 108 East Elm — HANOVER, KANSAS

WHEELCHAIR CONVERSION VAN & OTHER HANDICAP EQUIPMENT



2003 Chrysler Town & Country Limited, Entervan conversion, 3.8L V-6, auto, heated leather, power doors/hatch, only 61,000 miles, light blue, very nice.

American Stair Glide Porch Glide Vertical Platform Lift, 500 lb. capacity; Serta Motion Perfect queen sized hospital bed; motorized wheel chairs; other wheelchair; other handicap equipment.

APPLIANCES, FURNITURE, ANTIQUES, HOUSEHOLD ITEMS
TERMS: Cash or good check.

MARILYN HASSLER

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AUCTION

SATURDAY, JUNE 2, 2018 — 9:00 AM
11770 Anderson Avenue — RILEY, KANSAS

TRACTORS & MACHINERY, TOWERS, 2001 FORD F-150, FURNITURE, LUMBER, SHOP TOOLS & EQUIPMENT, GUNS

See last week's Grass & Grain for listings!

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Sell At St. Marys

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

We sold 427 cattle May 22. Steer and heifer calves were in good demand at steady prices. There were not enough feeder steers and heifers to test the market. Cows and bulls sold steady to \$3.00 higher.

STEER & BULL CALVES

1 bwf bull	260 @ 190.00	1 blk str	705 @ 138.00
2 char str	413 @ 183.00	5 blk/bwf str	720 @ 130.00
12 x-bred str	485 @ 182.00	14 blk/char str	827 @ 126.25
6 blk/bwf str	518 @ 181.00	2 blk str	908 @ 120.00
2 blk/char str	538 @ 175.50		
9 blk str	483 @ 174.00		
1 x-bred str	485 @ 172.00		
1 char str	330 @ 171.00		
4 brang str/bulls	504 @ 162.00		
7 blk/red bulls	498 @ 159.00		
2 bwf/red bulls	548 @ 155.00		

STOCKER & FEEDER STEERS

1 bwf str	550 @ 169.00
3 blk/bwf str	595 @ 156.00
6 blk str	608 @ 154.00
3 brang str	653 @ 145.00
7 blk/red str	686 @ 142.50
10 blk str	690 @ 140.00
1 shnt str	690 @ 139.00

STOCKER & FEEDER HEIFERS

4 blk hfr	558 @ 146.00	1 wf hfrt	975 @ 73.00
1 blk hfr	555 @ 140.00	1 sim cow	1080 @ 69.00
1 blk hfr	660 @ 138.00	2 wf/blk hfrts	920 @ 68.50
2 blk hfrs	608 @ 137.50	1 blk cow	1175 @ 66.00
1 blk hfr	645 @ 137.50	1 blk cow	1410 @ 65.50
2 blk hfrs	608 @ 137.50	2 red cows	1240 @ 65.00
9 blk hfrs	651 @ 136.50	1 red cow	1325 @ 64.50
1 blk hfr	605 @ 135.00	1 blk cow	1425 @ 62.50
1 blk hfr	575 @ 132.00	2 blk cows	1280 @ 62.00
2 blk/red hfrs	615 @ 130.00	1 blk cow	1695 @ 61.50
2 blk/red hfrs	653 @ 127.00	1 blk cow	1210 @ 60.00
4 blk/char hfrs	636 @ 126.50	1 bwf cow	1100 @ 59.00
62 mix hfrs	831 @ 123.00	1 char cow	1640 @ 58.50
10 blk/bwf hfrs	771 @ 120.00	1 blk cow	1370 @ 58.00
12 blk hfrs	807 @ 120.00	1 blk cow	1055 @ 57.00
2 char hfrs	935 @ 106.00	1 wf cow	1390 @ 56.50

COWS & HEIFERETTES

1 red hfrt	1055 @ 95.00	1 blk cow	1125 @ 54.50
1 blk hfrt	1095 @ 93.50	1 blk cow	1285 @ 53.50
1 blk hfrt	1020 @ 88.00	1 red cow	1120 @ 52.50

BRED COWS & HEIFERS

2 blk hfrs	@ 1050.00	1 char bull	@ 1000.00
1 sim cow	@ 980.00	1 blk bull	1905 @ 84.50
1 bwf hfr	@ 930.00	1 char bull	2005 @ 82.50
1 blk hfr	@ 720.00	1 blk bull	1905 @ 82.00
		1 red bull	1590 @ 77.50
		1 blk bull	1940 @ 75.00

CONSIGNMENTS FOR MAY 29:

- 15 blk steers & heifers, 400-450 lbs., vacc.
- 20 blk steers & heifers, 500-550 lbs., vacc.
- 25 blk steers & heifers, 500-600 lbs., vacc.
- 62 black steers, 800-850 lbs.
- 60 black steers, 850-875 lbs.
- 61 black crossbred steers, 925-950 lbs.
- 120 black steers, 900-975 lbs.
- 65 black Charolais heifers, 800-825 lbs.

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

FOR INFORMATION OR ESTIMATES:

REZAC BARN	ST. MARYS, 785-437-2785	LELAND BAILEY	TOPEKA, 785-286-1107
DENNIS REZAC	ST. MARYS, 785-437-6349	LYNN REZAC	ST. MARYS, 785-456-4943
DENNIS' CELL PHONE	785-456-4187	REX ARB	MELVERN, 785-224-6765
KENNETH REZAC	ST. MARYS 785-458-9071		

Toll Free Number.....1-800-531-1676
Website: www.rezACLIVESTOCK.COM
AUCTIONEERS: DENNIS REZAC & REX ARB

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