# Kansas State University, Texas Tech University begin collaborative agreement in beef industry

Kansas State University and Texas Tech University have entered an agreement to bring Texas Tech into the Beef Cattle Institute, which fosters collaboration to deal with issues relating to the beef industry.

The Beef Cattle Institute was established in the Kansas State College of Veterinary Medicine in 2007 under the leadership of Dan Thomson, the Jones professor of production medicine and epidemiology and a Texas Tech alumnus.

The Beef Cattle Institute has become one of the world's premier collaborative centers for research. education and outreach in the beef industry. Texas Tech and Kansas State University are leaders in providing the beef industry, from producers to retailers. with the people and tools needed to succeed both today and into the future, making this collaboration a natural fit.

GRASS

& GRAIN

"An integrated approach between our schools is a smart use of our resources so that collectively, we can better serve the beef industry that provides significant economic infrastructure for our schools and our states," said Thomson, director of the institute. "I look forward to growing opportunities for our faculty and students together through research, outreach and educational opportunities."

By adding expertise from Texas Tech's College of Agricultural Sciences and Natural Resources, these universities can take the Beef Cattle Institute to another level of success and deliver far-reaching solutions for the beef industry, provide expanded opportunities for students and faculty, and better serve citizen interests.

"This partnership not only strengthens the collaborative research between our two universities, but

also elevates the national profiles of each," said Texas Tech President M. Duane Nellis. "Texas Tech and Kansas State boast some of the world's leading researchers in the beef industry and their joint efforts will benefit not only the universities, but also the public for years to come."

Texas Tech and Kansas State University have a shared vision for the service to the beef industry, its many and varied stakeholders and the citizens who benefit from the beef industry, from beef consumers to employees of allied businesses. Moreover, a large proportion of U.S. beef cattle are finished between Lubbock, Texas, and Manhattan, Kansas, which generates substantial regional and national revenues.

"We are excited to partner with Texas Tech University and share a multidisciplinary vision to solving real-world issues the beef industry faces," said Kirk Schulz, president of Kansas State University. "Such valuable and service-oriented collaborations are a crucial part of our land-grant mission and will help Kansas State University become a Top 50 public research university by 2025."

Beef from the region is exported around the world, and Texas Tech's involvement in the Beef Cattle Institute will have global influence

"This relationship with the Beef Cattle Institute at Kansas State is an important step forward in our continuing efforts to serve the livestock industry and grow expertise in a research focus area of animal health, nutrition and welfare," said Michael Galyean, dean of Texas Tech's College of Agricultural Sciences and Natural Resources. "Linkage to the Beef Cattle Institute will benefit faculty and students at both institu-

tions." The Beef Cattle Institute's goal is to provide students and beef producers with the highest quality and most up-to-date education, research and outreach available. The hope is to increase the value of a student's education through work in the institute as well as increasing training for those in the beef industry.

"Through collaboration with Texas Tech University, Kansas State University and its College of Veterinary Medicine are poised to better address challenges facing the beef industry and its constituents," said Tammy Beckham, incoming dean of the Kansas State's College of Veterinary Medicine. "This partnership opens new avenues for education, research and outreach for faculty and students both within the college and across the university as well as nationally.'

# Soybean checkoff introduces young journalists to biotechnology

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Journalism students from Johnson County Community College (JCCC) in Kansas and Arizona State University (ASU) recently won the 2015 Biotech University reporting contest.

It was a follow-up to the 2015 Biotech University seminar, a one-day event designed to introduce the science of biotechnology to 43 journalism students and working journalists from across the country. The United Soybean Board (USB) sponsored the event, with cosponsorships from the ASU Biodesign Institute and Arizona Farm Bureau.

At the seminar, March 27 in Phoenix, Arizona, biotechnology experts explained the science, debated pros and cons, gave hands-on demonstrations, and discussed the scientific, business and political issues surrounding the topic.

'Biotech University continues to be an important program to educate young journalists about the facts of biotechnology," said USB chairman Bob Haselwood, a soybean farmer from Berryton. "Students engage with the subject and learn a lot at this unique educational experience.

Dylan Genis, a sophomore at JCCC in Overland Park, won the grand prize in the reporting contest: a trip to an international biotechnology conference. His winning entry was a broadcast report titled "GMOs in Our Grocery Stores." Genis will attend the Global Biotechnology Congress 2015, July 22-25, in Boston, Massachusetts.

Winning a \$1,500 academic scholarship for second place in the contest was Jacqueline Padilla, a junior in journalism at ASU. Padilla also filed a broadcast report. Hers was titled "GMO Labeling."

Students attended Bio-tech University from various parts of the country, sponsored by the Kansas Soybean Commission and other state soybean boards in Missouri, Delaware, Maryland, New Jersey, North Dakota and Tennessee. Other colleges and universities represented were Kansas State University, the University of Kansas, Wichita State University, the University of Missouri, the College of New Jersey, North Dakota State University and the University of Tennessee.

For additional information about Biotech University, visit http://Biotech-University.com.

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day, June 19	utiful sunny we had a lig	/ day for our sale Fri- ght offering of cattle.	COWS & H	EIFERETTES	— 875-1,700 LBS	BUL	LS — 925-2,	150 LBS.	EARLY CONSIGNMENTS
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Alma	2 blk	450@266.50	Easton	1 blk	1395@109.00	Leonardville	1 xbre	d 11	20@127.00
			Frankfort	1 blk	1220@109.00	Havensville	1 blk	17	′50@126.00
BULLS & FE	EDER STEER	S — 550-700 LBS.	Alma	1 blk	1395@108.50				
Council Grove	4 blk	558@267.50	Vermillon	1 blk	1400@108.00		COW/CA	ALF PAIRS	
St. George	3 blk	628@264.00	Wheaton	1 blk	1345@107.50			Age.	
Wakarusa	6 bwf	603@256.50	Wetmore	1 blk	1275@107.00	Olsburg	1 bwf	8	\$2,350.00
Wakarusa	15 bwf	683@250.00	Frankfort	1 xbred	1395@107.00	Manhattan	1 blk	2 8	\$2,050.00
St. George	6 blk	672@250.00	Manhattan	1 blk	1495@106.50	Beattie	1 bwf	8	\$2,025.00
Junction City	7 blk	633@248.50	Alma	1 blk	1415@106.50		BRFC	COWS	
Olathe	3 blk bulls	593@227.00	Manhattan	1 xbred	1495@105.00			Age Mo.	
Olathe	4 blk bulls	680@218.00	Frankfort	1 blk	1145@105.00	Easton		5-7 8	\$2,300.00
			Frankfort	1 xbred	955@187.00	Alma	1 blk	6 5	\$1,900.00
HEIFER	CALVES - 3	375-550 LBS.	Frankfort	1 xbred	1020@186.00	Easton	1 11011010	57	\$1,800.00
Florence	4 blk	387@286.00	Wetmore	1 blk	895@180.00	Alma	1 blk	SS 6	\$1,625.00
Linwood	5 bwf	418@275.00	Wetmore	1 blk	1030@143.00				
Florence	7 blk	462@274.50	Wetmore	1 blk	1100@135.00	FARI	CON	SIGN	<b>MENTS</b>
Council Grove	3 blk	411@258.00	Wetmore	1 blk	1510@104.00				_
Linwood	2 xbred	462@256.00	Goff	1 blk	1135@104.00	🔰 🛛 🛛 🕹	DAY, J	IULY '	10TH
Randolph	2 blk	485@248.00	Goff	1 blk	1105@104.00		•		
Junction City	4 blk	546@246.00	Manhattan	1 holstein	1610@102.50	90 Choice	Reputatio	on home	raised, Nel-
Council Grove	4 blk	527@240.50	Manhattan	1 holstein	1675@101.00	son gene	tics. blk s	strs & hfi	s. one rd
			Baileyville	1 holstein	1680@101.00				
FEEDER	R HEIFERS —	550-800 LBS	Goff	1 blk	1240@101.00	shots, no	implants	s, 700-80	) Ibs.
St. George	5 blk	611@231.00	Leonardville	1 blk	1325@99.00	40 Choice	Reputatio	on home	raised, Nel-
Randolph	4 blk	612@231.00	Goff	1 blk	1045@99.00	son gene	•		
Wakarusa	4 bwf	646@225.50	Vermillon	1 blk	1215@97.00	-			-
Shawnee	5 bwf	781@203.00	Baileyville	1 holstein	1195@92.50	shots, no	implants	s, 550-65	) lbs.

Leonardville	1 XDre	ed	1120	0@127.00				
Havensville	1 blk		1750	0@126.00				
	COW/C		AIRS Age.					
Olsburg	1 bwf		8	\$2,350.00				
Manhattan	1 blk		2	\$2,050.00				
Beattie	1 bwf		8	\$2,025.00				
BRED COWS								
		Age	Mo.					
Easton	2 blk	5-7	8	\$2,300.00				
Alma	1 blk	6	5	\$1,900.00				
Easton	1 herford	5	7	\$1,800.00				
Alma	1 blk	SS	6	\$1,625.00				
FARIY		ISI	GNN	IENTS				
		<b>U</b>						

### 58 Choice Reputation Hereford strs, off brome, 925-975 lbs. 50 Choice blk strs & hfrs, 2 rds shots, longtime weaned, 550-700 lbs. 25 blk cows, 7 yrs & older, w/ big calves by side 10 bwf strs, 750-800 lbs. 6 blk & bwf strs, weaned 3 weeks, 2 rds shots, 650-750 lbs. 2 blk hfrs, weaned 3 weeks, 2 rds shots, 425-450 lbs. 1 blk Angus bull, 30 months old, Trich & semen tested

14 blk first calf hfrs w/2-4 week calves by side

# NO SALE FRIDAY JULY 3RD

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### FIELD REPRESENTATIVES

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Cell: 785-532-8381	Cell: 620-382-7502	Cell: 785-587-7824	Cell: 785-410-5011	Cell: 785-770-2622	Cell: 785-633-4610	Cell: 785-556-1422	Cell: 785-562-6807	Cell: 785-447-0456	

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# Grass & Grain, June 23, 2015 Kansas Hay Market Report

Hay trade slow. Demand moderate to good for Dairy alfalfa, light for grinding alfalfa and alfalfa pellets and grass hay. Rain accompanied with high humidity and some localized flooding continues to plague Kansas hay and wheat producers. Kansas NASS reported on the week ending June 14 only 66 percent of the first cutting of alfalfa was completed, will behind last year 91 percent. The grinding quality alfalfa market continues to be under pressure. The brome is ready to be cut when the weather will permit. The wheat harvest started in the southern counties of the state, but has stopped due to rain and high humidity, but combines will start to move forward when conditions area favorable. If you have hay for sale or pasture to rent or need hay or grazing, use the services of the Hay and Pasture Exchange: www.kfb.org/ commodities/haypasture/index.html

#### Southwest Kansas

Dairy steady and grinding alfalfa weak to 5.00 lower. Movement slow. Alfalfa, Horse, large squares 250.00, small squares 280.00. Dairy, 1.00/point RFV, Supreme 185.00-210.00; Premium 170.00-195.00, some New Crop alfalfa contracted 100.00-110.00 for all cuttings standing in the field; Dry Cow, Old Crop, Good 120.00-140.00. Fair-Good grinding alfalfa, at the edge of the field 100.00-110.00, mostly 100.00. Ground and delivered locally to feedlots and dairies 125.00-145.00, mostly 135.00. The week of 6/08-13, 6,539T of grinding alfalfa and 750T of dairy alfalfa were delivered. Straw, Good, large bales 60.00-75.00, mostly 70.00 or 80.00-95.00 delivered. Corn stalks 50.00-60.00, ground and delivered 80.00-100.00. CRP, Good, large rounds 70.00, Fair 55.00-65.00. Cane or BMR Sudan, Good large bales 65.00-75.00. \*The average paid by feedlots on June 1 for alfalfa ground and delivered was 153.81/T, up 1.34 from last month. Usage was 768T/day down 1 percent, total usage was 23,798T

### South Central Kansas

Dairy alfalfa steady, grinding alfalfa and alfalfa pellets steady to 10.00 lower. Movement slow, Alfalfa: Horse, large squares 245.00-270.00, small squares 280.00. Dairy, 1.00/point RFV, a little at 1.07 for out of state shipment, Supreme 185.00-210.00, a little New Crop 200.00; Premium 170.00-195.00; Dry Cow, Good 120.00-130.00; Fair-Good grinding alfalfa at the edge of the field 85.00-100.00; Utility-Fair 70.00-90.00. Ground and delivered locally to feedlots, 130.00-145.00. The week of 6/08-13, 2,717T of grinding alfalfa and \*\*623T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 145.00-180.00, 17 pct protein 170.00-190.00; Dehydrated 17 pct 245.00. Straw, Good, large bales 60.00-70.00. Cane or BMR Sudan, Good large bales 60.00-70.00, Fair quality 50.00-55.00.\* The average paid by feedlots for alfalfa ground and delivered was 134.92 down 1.28 from last month usage was 234T/day down 9 percent, total usage was 7271T

### Southeast Kansas

Alfalfa, brome and prairie hay steady. Movement slow. Alfalfa: Horse or Goat, mid squares 250.00; Dairy and Stock Cow 1.00 to 1.07, an instance 1.10/point RFV, Premium-Supreme 200.00. Bluestem: Good, small squares, 120.00-145.00, mid and large squares 80.00-110.00, mostly 80.00-90.00, instance 70.00, large rounds 55.00-65.00, Fair 50.00-55.00; Brome: Good, Small squares 130.00-145.00, mid and large squares 110.00-135.00, large rounds 60.00-75.00. Grass Mulch CWF, large round 45.00-60.00.

#### Northwest Kansas

Grinding alfalfa steady. Movement slow. Alfalfa: Horse, Mid squares 250.00; Stock cow, Fair-Good, 1.00/point RFV. Fair, Grinding alfalfa at the edge of the field 90.00-100.00.

Ground and delivered to feedlots and dairies 115.00-145.00. BMR Sudan and Millet, Good 80.00-95.00.

#### North Central-Northeast Kansas

Dairy alfalfa and grinding alfalfa steady, prairie hay and brome steady. Movement slow. Alfalfa: Horse, 300.00, some 8.00-9.00/small square bale; Dairy, Supreme 185.00-220.00, a little New Crop 1.10/point RFV; Premium, 170.00-195.00; Stock Cow, Fair-Good, 1.00/point RFV, Utility-Fair grinding alfalfa at the edge of the field, 70.00-95.00; Ground and delivered 130.00-145.00. Grass hay: Bluestem Good, small squares, 5.00-6.00/bale, 120.00-135.00, Mid squares 80.00-100.00, large rounds 45.00-70.00, mostly 50.00-60.00. Brome: Good, small squares, 6.00-7.00/bale, 130.00-145.00/T, Mid squares, 100.00-120.00, Good, large round, 25.00-50.00/bale, 60.00-80.00/T; CWF Grass mulch, large round 60.00-65.00. Straw, Good, small squares 4.00/bale or 4.50-5.00 delivered/bale; large bales 60.00-70.00/T. Sudan, Good large round 70.00-75.00, Fair 60.00-65.00.

\*\*\*Prices are dollars per ton and FOB unless otherwise noted. Dairy alfalfa prices are for mid and large squares unless otherwise noted. Horse hay is in small squares unless otherwise noted. Prices are from the most recent sales. \*CWF Certified Weed Free \*RFV calculated using the Wis/Minn formula. \*\*TDN calculated using the Western formula. Quantitative factors are approximate, and many factors can affect feeding value. Values based on 100% dry matter (TDN showing both 100% & 90%). Guidelines are to be used with visual appearance and intent of sale (usage). Source: Kansas Dept of Ag-USDA Market News Service, Dodge City, KS Steve Hessman, Rich Hruska, OIC (620) 227-8881

www.ams. usda.gov/mnreports/DC\_GR310.txt

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

# Poultry stop movement order in Kansas means no contests this year

bird sales and auctions.

More than 46 million

birds across the United

States have been killed be-

cause of HPAI, but that does

not mean they were all in-

fected, Beyer said. The virus

has been found in poultry

flocks in numerous states,

including in northeast

Kansas. In efforts to keep

the disease from spreading,

when the disease is detect-

ed in a flock, the whole flock

the Centers for Disease Con-

trol and Prevention consid-

er the risk to humans from

this particular virus (highly

pathogenic H5N2 avian in-

fluenza) to be low. Poultry,

Although deadly to birds,

is killed.

The Kansas Department biosecurity step, but it of Agriculture's move to protect the Kansas poultry industry from avian flu by issuing a stop movement they complete their poultry order was an important

means more than 2,000 Kansas 4-H members will have to be creative with how projects.

### LAND AUCTION When: Thursday, July 9 • 7:00 p.m. Where: American Legion Building • Marquette, KS Seller: Peterson Family

### 320 acres m/l Elisworth Co. Crop & Pasture

Legal: E2 11-17-6, Langley Township, Ellsworth Co., Kansas.

General Description: Land is 320 acres m/l. 149.90 acres pasture, 144.82 acres crop, 17.28 acres creek and 7 more acres crop on west side of creek. Land Location: Land is located just south of Kanoplis Lake on Ave U and 30th Rd just 2 miles west of the McPherson County line.

Taxes: 2014 \$1,352.70. Possession: Subject to Tenant's Rights. Possession November 1, 2015 on pasture and Buyer receives pasture rent of \$20 per acre. Possession after wheat harvest 2016 on cropland and Buyer receives 1/3 Landlord share of rent at harvest 2016 and 7 acres cash rent on crop west of creek at \$50 per acre.

Terms on Real Estate: 10% down day of auction and sign sales agreement. Balance due in certified funds at closing on or before August 10, 2015. Title insurance and closing cost shared equally between Buyer and Seller. 2015 property taxes and prior years paid by Seller and 2016 taxes paid by Buyer. Mineral rights included to Buyer.



nents day of auction take precedence over p Auction conducted by Omli and Associates, Inc. 604 Barney at Broadway, Salina, KS 67401 785-825-1316 or 1-800-499-6182 • www.omli.com



"Recently, the KDA decided to close all poultry shows where birds are brought together to reduce the chances of spreading highly pathogenic H5N2 avian influenza (HPAI)." said Kansas State University animal scientist Scott Bever, referring to the KDA's June 15 implementation of a stop movement order.

The order means all types of poultry activities where birds from different flocks would be co-mingled are canceled for the rest of the year. That includes poultry competitions at county fairs, the Kansas State Fair, festivals, swap meets, exotic

poultry products, and wild poultry project leaders who birds are safe to eat if they are properly handled and cooked to 165 degrees F, according to the U.S. Department of Agriculture.

"This is good biosecurity," said Beyer, a poultry specialist with K-State Research and Extension, of the stop movement order. "Biosecurity is one of the reasons the U.S. poultry industry began raising birds in confinement. They are a species where wild birds can fly into flocks in open areas and bring potential diseases. That doesn't happen so much with cattle or swine."

When more poultry was raised in open areas, it wasn't uncommon to have death loss of 50 percent in a flock, he said.

Scientists believe U.S. poultry flocks were infected with HPAI by wild waterfowl, such as ducks and geese, migrating from one area to another earlier this year. More infections could occur during the fall migration.

The stop order means more than 2.000 Kansas 4-H members who were already preparing their chickens, ducks and other poultry projects for competitions including county fairs will have to come up with different ways of showing what they've learned, said Daryl Buchholz, K-State Research and Extension associate director. He added that the news is disappointing, but necessary. "I'm proud of our Extension agents and volunteer

are figuring out creative and meaningful ways for youth to exhibit all they have learned through the poultry project without the live bird," Buchholz said, adding that Extension specialists and agents are also working with state fair officials to provide guidance for 4-H members to qualify and represent their projects at the state fair without having the actual birds present. One example for showmanship is to have the 4-H member show a stuffed bird and answer questions to demonstrate what he or she has learned by participating in the poultry project.

"Out of challenges comes creativity," Buchholz said.

The stop movement order should serve as a reminder to anyone who has poultry - whether a few chickens to a backyard flock or a commercial business that good biosecurity continues to be important, Beyer said.

Poultry producers are encouraged to monitor their birds for symptoms of the virus, and notify KDA at 785-564-6601 or HPAI@kda. ks.gov immediately if they suspect problems. More information about HPAI can be found at www.agriculture.ks.gov/avia





NW450', NELY495 ',ALG RD ROW TO POB Lot Width: 495.0 Lot Depth: 450.0 Deed Book/Page 0726/0939 26/4441 0835/0792

3 Bedroom, 2 bath, 1316 sg, foot, carport, central air, forced air gas heat.

TAXES: 889.56

This property is definitely a fixer upper with an excellent location. Just minutes from Manhattan located right along Tuttle Creek Blvd. This home is a 1976 manufactured mobile home. It offers the following language recorded with Riley County register of deeds.

10. Affidavit of Permanently Affixed Manufacture/Mobile Home and Application to Eliminate Title for the 1976 Mobile 9x50 ID# KS131865 m bile home filed June 14, 2013 and recorded in Book 855. Page 4931 in the Office of the Register of Deeds of Riley County Kansas.

11. Affidavit of Permanently Affixed Manufacture/Mobile Home and Application to Eliminate Title for the 1976 Mobile 14x50 ID# KS131865 and KS131864 mobile home filed June 14, 2013 and recorded in Book 855, Page 4933, in the Office of the Register of Deeds of Riley County Kansas.

TERMS: Property sells AS IS, WHERE IS, 10% non-refundable down pay ment is required day of sale by check. Buyers must be able to close on o before August 7, 2015. Cost of Title Insurance and Closing Costs to be spli equally between Buyer and Seller. All announcements day of sale take precedence over written materials. Crossroads Real Estate & Auction LLC is representing the sellers.

# SELLER: LANCE W SHELDON



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# AUCTIO

### TUESDAY, JUNE 30 — 10:00 AM 200 W. Hwy. 24 - INDEPENDENCE, MISSOURI

Maurice has been in this business since 1975. He has sold his building & retiring thus selling all inventory/auto maintenance equipment/fixtures in this auction. Lots of new/used items. View the web site for list, photos & terms.

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ninfluenza.

An Agriculture Today audio interview is available at http://www.ksre.ksu. edu/News/p.aspx?tabid=66 . Scroll to June 15, 2015 "Effects of Avian Influenza on 4-H Poultry Projects."

### UPCOMING AUCTIONS **CONSIGNMENT SALE** 601 S. BROADWAY - SALINA, KS SATURDAY, JULY 11, 2015 AT 10:00

A large consignment of construction equipment from Rolling Hills Ranch along with other consignments. Contact auction staff to consign your items. Consign early and benefit from \$\$\$\$ advertising in newspapers & web sites. Check web site for sale bill.

### **SNAP-ON TOOLS & TIM RATHBUN ESTATE** 1355 AVENUE T, ELLSWORTH, KS SATURDAY, AUGUST 8, 2015 AT 10:00 AM

Tools, tractors & equipment – contents of a nice shop with Snap-On, DeWalt, other quality tools. Watch web site for sale bill.

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# KanEquip, Inc. awarded New Holland's highest dealer honor

KanEquip, Inc. in Wamego has been names to New Holland's exclusive President's Club. Membership in the President's Club, the highest company honor that can be attained by New Holland Agriculture or New Holland Construction dealerships, recognizes smart business management practices and superior dedication to customer service. KanEquip's locations in Syracuse, Neb., Ellsworth, Dodge City, Herington, Marysville, Topeka, Clay Center, and Garden City were also names to the President's Club.

New Holland's President's Club Award winners achieved the highest level of excellence in facilities, business management, sales, parts and service support, training, and customer satisfaction.

"For the past 120 years, the spirit of entrepreneurship has been the hallmark of New Holland. As a President's Club Award winner, KanEquip exemplifies this spirit in their day-to-day business activities. We're very proud to present this recognition to KanEquip. As a President's Club member, they are truly among the best of the best. Anyone seeking to acquire agricultural or light construction equipment will be well served by these exceptional New Holland dealers who have achieved the highest standards," says Abe Hughes, New Holland vice president, North America.



Clay Center salesperson Rex Keister and store manager Lon James receive their award from Jerry Shippers, New Holland Representative.



Matt Strein, Marysville store manager accepts the award from New Holland representative Jerry Shippers.



New Holland representative Jerry Shippers presents the award to Herington store manager Daniel Anderes.

# Honey bee workshop to be held in Columbus

If you want to eat the perfect biscuit, grab it straight from the oven, smother it in butter, and drizzle some honey over the top. Groomed like that, one biscuit calls for one more. The part that makes it complete is the honey and we wouldn't have the honey without the honey bees. The interest in beekeeping is exploding and can be a wonderful hobby or even a business venture. Many people value local honey over the commercially produced honey. However, getting started and maintaining bee colonies is not the simplest thing to do. In an effort to promote beekeeping in the area, Cherokee County K-State Research and Extension will be hosting a free Honey Bee Workshop. The event will take place June has also plagued the bee 30 at 6:30 p.m. located at the Cherokee County 4-H Building. The address is 114 W. County Rd, Columbus. Sharon Dobesh, Kansas State University bee specialist, will present information for both the novice and experienced beekeeper. She will demonstrate equipment used in keeping bees and have an open question and answer period for a host of different topics. Topics

may include feeding bees in the summertime, pest control, plants that make the best honey, expanding honey bee population, to whatever is on a person's mind.

The importance of honey bees should not be underestimated. In addition to producing a delicious condiment, honey bees are important pollinators. Honey bees were imported from Europe during the 1600s. Many of our fruits and vegetables are dependent on the honey bees and others for pollination. However, the honey bees have been under pressure for the last several years to maintain their population. Due to the extreme cold, many hives have not survived the winter. CCD or Colony Collapse Disorder population. There have been other issues such as nutrition during poor drought years, parasites like the Varroa mites, and other pests and viruses. Insecticides have taken some of the blame for the decrease in honey bee numbers. Insecticides are needed to protect crops from certain pests, but may kill beneficial insects such as bees if they are present during

application of the insecticide. For this reason producers are encouraged to spray insecticides early in the morning or late evening when honey bees are not as active.

For some more great information please plan on attending this free workshop



sponsored by Farmers Coop of Columbus and Baxter

Springs. If you have any

questions regarding the

meeting, please contact the

**Cherokee County Extension** 

Office at 620-429-3849. K-

State Research and Exten-

sion is an equal opportunity

Small painted white china cabinet; small dresser with mirror; desk; oak corner curio with door; oak bench; upholstered chairs; ProForm Whirlwind exercise bike; patio furniture; Franciscan Atomic Fireburst dishes; flow blue Royal Doulton china; primitives; glassware; collection of antique lanterns; collection of vintage canning jars & old bottles; baseball & foot ball memorabilia; home decoratives & housewares; some antiques & col ectibles.

### LAWN, GARDEN & SHOP:

Assorted lawn and garden tools; power tools for the yard; NEW Gen-Power 100HV generator; Werner extension ladder; in-bed metal pickup tool box; Craftsman tool chest & roller cabinet; assortment of hand tools wood working tools: Craftsman drill press: Craftsman 10" table saw assorted power tools & shop supplies; fishing tackle; turkey fryer. ALL ITEMS ARE PRICED & READY TO SELL! COME IN & SHOP-PAY FOR YOUR PURCHASES & TAKE THEM HOME! For a complete listing & lots of photos go to: kansasfinderskeepers.blogspot.com QUESTIONS? Stephanie Avery, Sales Manager, 785-632-7304

### Grass & Grain, June 23, 2015 Page 15 Range schools focus on planning beyond this year

"When you are trying to get through the current grazing season, planning for your forage needs this coming winter, and balancing a dozen jobs that need to be done now - it is hard to think about what you should be considering for next year, two years out, or even in ten years," said Tim Christian, state coordinator for the Kansas Grazing Lands Coalition (KGLC). "The 2015 KGLC Range Schools will provide a three-day period when you can begin that thought process."

Mid-/Shortgrass The Range School runs from August 4-6 at Camp Lakeside, Lake Scott, and the Tallgrass Range School is set for August 18-20 at Camp Wood YMCA, Elmdale with the theme Sustaining Rangelands by Leaving A Legacy, Christian said. The 2015 registration fee is \$350 per person and covers course materials, on-site lodging and meals, and other related costs. Ranchers, landowners, and students may qualifv for a \$175 scholarship if they meet eligibility and request one using KGLC's scholarship form.

Agency staffs may qualify for \$125 in scholarships. The form and more information on the Schools is available at www.kglc.org under 2015 Range Schools found in the navigation bar. Scholarship applications must be submitted by July 24 for the Mid-/Shortgrass School and August 7 for the Tallgrass School.

the KGLC partnering individuals, organizations and agencies. Current sponsors include USDA Natural Resources Conservation Service, Kansas State University Research and Extension; U.S. Fish and Wildlife Service Kansas Partners Program; Kansas Section of the Society for Range Management; The Nature Conservancy; William F. Bradley, Jr.; Trust; Richard and Pat Schroder; and Feed-Lot Magazine.

KGLC organized in 1991 as a non-profit educational organization and its vision is to regenerate Kansas grazing lands. This is achieved through the management, economics, ecology, production, and technical assistance programs provided by voluntary methods to reach landowners, ranchers, and others making decisions on grazing lands.

For more information on the 2015 KGLC Range Schools, contact Tim Christian, state coordinator, at 620-242-6440, email to tdchristian@cox.net, You may also go to the web at www.kglc.org.

> Place your Classified Ad Online www.grassandgrain.com

Scholarship financial support comes from many of

### AUCTION - HOME • 41 ACRES • CONTENTS SATURDAY, JUNE 27 - 9:00 AM **POSTPONED FROM JUNE 6**

See Grass and Grain June 2nd for full sale bill 13610 94th Rd., TOPEKA, KS

North from Topeka on Hwy 75 to 94th Rd., (Jackson County line), turn right, property is on your left and adjoins Hwy 75.

REAL ESTATE SELLS AT NOON (Open by Appointment) This is an older country home with 3 Bedrooms, 1 bath, bedroom studio & extras with 2 car attached garage including 41.3 acres. m/l. BIDDERS: Contact Kellner Realty for terms and/or view full sale bill on www.waynekellner.net.

Statements made day of sale take precedence... Seller reserves the right to refuse the last bid.

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NOTE: Sellers have had to move to a care facility and will be selling a lifetime collection of household, contents and tools. Come and spend the day.

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### Page 16 Grass & Grain, June 23, 2015 Wet conditions delay harvest, planting

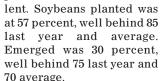
June 14, 2015, warm, wet conditions dominated the weather pattern, according to the USDA's National Agricultural Statistics Service. There were 4.4 days suitable for fieldwork. Topsoil moisture rated 1 percent very short, 7 short, 71 adequate, and 21 surplus. Subsoil moisture rated 5 percent very short, 13 short, 70 adequate, and 12 surplus.

Field Crops Report: Winter wheat condition rated 10 percent very poor, 19 poor. 41 fair, 28 good, and 2 excellent. Winter wheat headed was 99 percent, near 100 for

For the week ending last year and the five-year average. Coloring was at 83 percent, near 80 last year and average. Mature rated 20 percent, behind 26 last vear and well behind 40 average. Harvested was 2 percent, near 2 last year, but behind 18 average.

Corn condition rated 3 percent very poor, 11 poor, 36 fair, 43 good, and 7 excellent. Corn planted was at 97 percent, behind 100 last year and average. Emerged was 89 percent, behind 98 last year and average.

Soybean condition rated 2 percent very poor, 10 poor, 45 fair, 40 good, and 3 excel-



Sorghum condition rated 0 percent very poor, 1 poor, 28 fair, 68 good, and 3 excellent. Planted was 58 percent, near 59 last year, but behind 71 average. Emerged was 28 percent, equal to 28 last year, but behind 42 average.

Sunflowers planted was 44 percent, behind 51 last year and 53 average. Emerged was 12 percent, behind 21 last year and 27 av-

Alfalfa hay first cutting was 66 percent complete, well behind 91 last year and 93 average.

Cotton condition rated 0 percent very poor, 10 poor, 30 fair, 53 good, and 7 excellent. Cotton planted was at 76 percent, behind 91 last year and 86 average.

Livestock, Pasture and Range Conditions: Pasture and range condition rated 2 very poor, 5 poor, 27 fair, 53 good, and 13 excellent.

Stock water supplies rated 3 percent very short, 8 short, 79 adequate, and 10 surplus.



# **USDA opens enrollment** period for ARC and PLC safety-net programs

U.S. Department of Agriculture (USDA) Secretary Tom Vilsack has announced that eligible producers may now formally enroll in the Agriculture Risk Coverage (ARC) and Price Loss Coverage (PLC) programs for 2014 and 2015. The enrollment period began June 17, 2015, and will end Sept. 30, 2015.

The extensive outreach campaign conducted by USDA since the 2014 Farm Bill was enacted, along with extending deadlines, is central to achieving an expected high level of participation," said Vilsack. "We worked with universities to simplify these complex programs by providing online tools so producers could explore how program election options would affect their operation in different market conditions; these tools were presented to almost 3,000 organizations across the country. The Farm Service Agency also sent more than five million educational notices to producers nationwide and participated in over 4,880 educational events with more than 447,000 attendees. I am proud of the many committed USDA employees who worked hard over the last several months to provide producers support to help them make these important decisions."

The new programs, established by the 2014 Farm Bill, trigger financial protections for agricultural producers when market forces cause substantial drops in crop prices or revenues. More than 1.76 million farmers have elected ARC or PLC. Previously, 1.7 million producers had enrolled to receive direct payments (the program replaced with ARC and PLC by the 2014 Farm Bill). This means more farms have elected ARC or PLC than previously enrolled under previously administered programs. Nationwide, 96 percent of soybean farms, 91 percent of corn farms, and 66 percent of wheat farms elected ARC. 99 percent of long grain rice farms, 99 percent of peanut farms, and 94 percent of medium grain rice farms elected PLC. For data about other crops and state-by-state program election results go to www.fsa.usda.gov/arc-plc.

Covered commodities under ARC and PLC include barley, canola, large and small chickpeas, corn, crambe, flaxseed, grain sorghum, lentils, mustard seed, oats, peanuts, dry peas, rapeseed, long grain rice, medium grain rice (which includes short grain and sweet rice), safflower seed, sesame, soybeans, sunflower seed and wheat. Upland cotton is no longer a covered commodity.

SATURDAY, JUNE 27 – 9:30 AM SOUTH END OF WILLARD BRIDGE - WILLARD, KANSAS (3 1/2 MILES SOUTH OF ROSSVILLE, KANSAS) MOBILE HOMES TO BE REMOVED IN 60 DAYS. 1952 FORD SCHOOL BUS; FURNITURE; HOUSEHOLD; TOOLS; MISCELLANEOUS; ETC See last week's Grass & Grain for complete listing ITEMS OF THE LATE DEVERE AND GRACE MILLER **GANNON REAL ESTATE & AUCTIONS** VERN GANNON, AUCTIONEER/BROKER 785-770-0066 · MANHATTAN, KANSAS · 785-539-2316 www.gannonauctions.com

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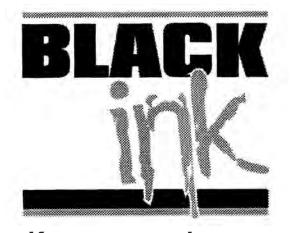
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# Know your unknowns

### By Steve Suther

What you don't know can hurt you. That's obvious when you didn't know there was a snake in the boat, wasps in the mailbox or a bull in that stall. But it applies to many more cases in finance, love and war.

We often click "agree to all terms" before doing a bit of online business, and rarely try to read the 15 pages of fine print. Every day we hear in ten seconds about new drugs that may help if we don't worry about side effects crammed into the next 20 seconds.

The unknown is one of our top fears, mostly because it is linked to the greater dreads of losing control and failure.

Of course, what you "know" can hurt just as much if you never question it. There are at least two ways to get bitten by the familiar. One is by forgetting that things change, and another is by holding onto something that never was true

"It's not what you don't know that gets you in trouble; it's what you know for sure that just isn't so." We don't know who first said that, but many credit Mark Twain or Will Rogers.

Why do we hold on to questionable facts or, say, lines of cattle? We may want them to be valid, a bias based on past actions, statements or investments. Those can be career choices or business decisions like which cows to keep or cull, which bulls to use or buy.

We can come around to the conviction that being wrong, like failure, is not an option - even when changing course is the only option that could avoid failure. We don't want to know.

The bigger the stakes, the more we should question the relevance and validity of assumptions.

Consider the basis for war with Iraq in 2002, when Donald Rumsfeld uniquely laid out the intelligence challenges: "There are known knowns... there are known unknowns ... but there are also unknown unknowns, the ones we don't know we don't know."

Later he noted there are unknown knowns, too, what we know but don't know we know.

The stakes are not as high, but a cow herd contains all of those, from solid facts to the seemingly unknowable, and constant change is a given.

Observation, recordkeeping and market analysis are keys to knowing your current unknowns that may stand in the way of predictably better beef.

Your next calf crop contain should more knowns than unknowns.

If you know a cow is wild or has had more than one poor-gaining or poor-grading calf, cull her and examine the records on her relatives

If you know your calves got sick a few weeks after weaning last year, consult your veterinarian, find out why and how to prevent that this time around.

Consumers have to know as much as possible about beef value at today's prices - they are not willing to buy known unknowns or even unknown knowns.

Next time in Black Ink® Miranda Reiman will consider what would happen if there were no bidders for your calves. Questions? Call 330-465-0820 ore-mail steve@certifiedangusbeef.com.

Grass & Grain, June 23, 2015 Page 17 KDA photo contest now open

As agriculture in Kansas flourishes this summer, pull out a camera, capture the moment, and submit your photos to 2015 Kansas Department of Agriculture's photo contest, which began June 15.

Nearly every aspect of daily life can be tied to agriculture. Be creative with entries; agriculture can be more than the typical pasture, tractor and wheat field. Agriculture is the look in a farmer's eye after a successful harvest, the lines of an irrigation system silhouetted by a sunset, shoots of soybeans breaking through the soil, the fullness of creeks and ponds after a much needed rain or the smile of young 4-H members as they care for a livestock project. Photos showcasing Kansas agriculture, taken any time of the year, are eligible for entry.

KDA serves to advocate for and promote the agriculture industry, the state's largest industry. Photos capturing the beauty of Kansas agriculture can be used to advocate for the state's largest economic driver.

Contest guidelines can be found at: agriculture. ks.gov/photocontest.

After submission, the Kansas Department of Agriculture is granted permission to use any photograph for publications, social media, websites, displays, etc. without payment or other consideration from the photographer.

Follow KDA on Facebook, Twitter, Pinterest and Instagram for more details on contest, including deadlines, divisions and prizes.

# Ashland Veterinary Center celebrates 25-year milestone

On the first day of June 1990, an aspiring veterinarian moved his young family to Ashland to assume ownership of a struggling veterinary clinic. The rural Clark County practice, geographically located in an area where cattle far outnumber people, spelled opportunity for Dr. Randall Spare. Fast forward a quarter-

century and the Ashland Veterinary Center's (AVC) five veterinarians offer extensive services in a four state area. The clinic provides small and large animal services with the majority of AVC's work being large animal, including cow-calf, stocker and feedlot.

Herd health management, nutritional consulting, disease prevention and testing, genomic and reproductive services, equine reproduction and acupuncture are all services offered by the AVC team. The AVC bovine viral diarrhea (BVD) lab tests more than 30,000 samples each year in an effort to eradicate one of the most costly illnesses in beef production. In addition, AVC veterinarians and support staff are responsible for managing the requirements of international exports for cattle shipments to Russia, Canada, Mexico, Egypt and Kazakhstan.

Access to genomic information and a bullish economic environment for cowcalf producers has resulted in the growth of artificial insemination and the use of genomic technology. Today, AVC provides complete reproductive services, including synchronization, artificial insemination, genomic testing and semen sales on more than 5,000 head of cattle, for commercial and registered beef producers, each year.

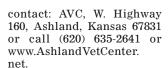
Modern best practice veterinary medicine recognizes the importance of overall wellness and animal welfare, including pain management. The AVC team is sensitive to pain management and includes a certified veterinary acupuncturist for large and small animal treatment to administer alternative treatment as a therapeutic option. Cold laser therapy is relatively new technology used to promote healing and pain management.

As good citizens and responsible veterinarians, the AVC team works closely with area rescue groups and through social media to rescue and rehome abandoned and unwanted pets. All rescue and rehoming cases are given wellness examinations, tested for parasites and vaccinated. To date, many unwanted pets have "furever" found homes thanks to the AVC team and an extensive network dedicated to small animal welfare and rescue.

When asked to comment on the 25 years of progress at AVC, Randall Spare responded, "All businesses are a collection of people.

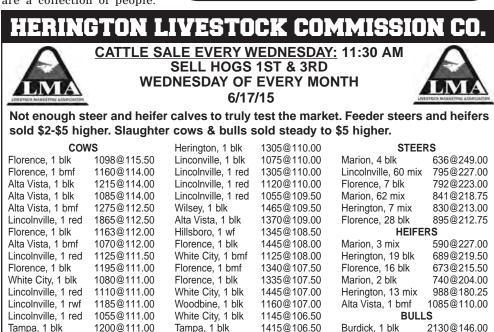
Successful businesses are typically the result of extraordinary people. The growth and progress at AVC is directly connected to our loyal staff. The AVC team works diligently to provide any service necessary for all our clients. Our mission is to develop long-term relationships built on trust. We strive daily to reassure them we care. After all, we aren't just a business. Our entire team is part of a wonderful community in southwest Kansas. We are so grateful for the opportunity to serve and the trust our customers have placed in us for 25 years.'

For more information





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### SUNDAY, JUNE 28, 2015 — 12:00 NOON 5313 TERRA HEIGHTS (WEST OF LAKE) - MANHATTAN, KANSAS

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3-section curved sofa with built-in recliners; electric Spinet player piano; Gulbransen upright player piano & bench; piano rolls; Maytag large capacity washer & dryer; Kenmore side-by-side refrigerator with water dispenser; Samsung 56" flat screen TV & stand; Oak drop-leaf table & pads; 8 Oak dining chairs (2 Captain's); dropfront desk with top shelves; rocker loveseat; armoire chest; 4-door glass bookcase; Craftmatic portable scooter; lift chair (less than one year old); couch & matching loveseat; Oak corner curio cabinet; sleeper sofa; gun cabinet; loveseat hide-a-bed; drop-leaf table; dry sink; chest-of-drawers; 2 lift top coffee tables; 2 rockers; leather rocker & ottoman; couch; bed, dresser with mirror, shelf with drawers, desk with top shelf & 2 nite stand; desk & chair; office chairs; stand tables; Singer sewing machine; step tables; cabinet/shelf; table; cabinet; folding table; 4 4-drawer file cabinets; RCA portable TV; console stereo; 110 window AC; record player & 8-tracks; pictures; floor lamps; Epson copier; wood TV trays; O-zone blaster; heater; nail keg; globe; boom box; baskets; fans; records; 2 dolls(one antique); books; crystal lamp; dishes;

household items; miscellaneous. CLOCK COLLECTION: Ansonia mantel clock; 2 Gilbert mantel clocks; German kitchen clock with cherubs; German clock with Westminster chimes; Burlington mantel clock; Sessions silent chime clock; Bulova clock; Trend clock. MPEX power house total gym; Nordic Track C2100 treadmill; NU step TRS 4000 stepper; Yamaha 5700 watt, M2300 portable generator (used once); DeWalt 250, 10" radial arm saw; B&D 10" miter saw; bench grinder & bench; 2 Lawnboy mowers with rear bagger; Toro push mower; wheelbarrow; lawn carat; lawn wagon; aluminum folding ladder; Stihl 009L & MS 2100 chain saws; Shindaiwa T230X gas weedeater with blade; Shindaiwa gas weedeater; battery starter; Weber grill; smoker; 6 park bench; 2 rocking lawn chairs; step stool; 2-wheel dolly; DeWalt rechargeable drill; floor jack; bench grinder; 2 skill saws; small air compressor; gas cans; garden hose; sprayers; lawn & garden tools; pole tree saw/trimmer (manual); fire wood; air bubble; tarps; extension cords; shovels; axe; hardware; come-a-long; jacks stands; loading ramps; screwdrivers; toolbox; wrenches; levels; lawn & shop items. Yamaha 5700 watt, M2300 portable generator lawn & shop items. 

### NOTE: Very clean well cared for Auction! GENE AND CAROL HOERMAN

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# **NO SALE JUNE 24 & JULY 1 NO SHEEP AND GOAT SALE JUNE 25 BACK WITH REGULAR CATTLE SALE JULY 8**

White City 1 h

Herington Livestock Cafe Now Open: Wednesdays from 6:30 AM 'till 7:00 PM

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

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KFRM AM 550, Every Wed., 8:00 a.m. Barn Phone 785-258-2205 \*Fax No. 785-258-3766

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### Page 18 Grass & Grain, June 23, 2015 Ohlde Seed Farms hires experienced product development lead

Soil Specific Seed varieties, Ohlde Seed Farms for Syngenta Seeds Inc., in couldn't have found a better person than Byron Evers to fill the new role of Product Development and Research Lead. Backed by a Bachelors of Science in Plains," dealt with soil soil science from the University of Wisconsin and a tion. The thesis project in-Masters of Science in agronomy from Kansas State University, Evers has been involved with soils research for more than a decade — most recently as

400-500

500-600

600-700

700-800

800-900

900-1000

2 blk

4 mix

With a market focus on a product evaluation scientist and research associate Junction City. Evers' Masters thesis, titled "Water Use and Conservation of Bioenergy and Forage Crops in the Central Great studies and crop producvolved studies and trials to test the feasibility of growing alternative crops under environmental stress, such as drought and heat. Prior to attaining his Masters de-

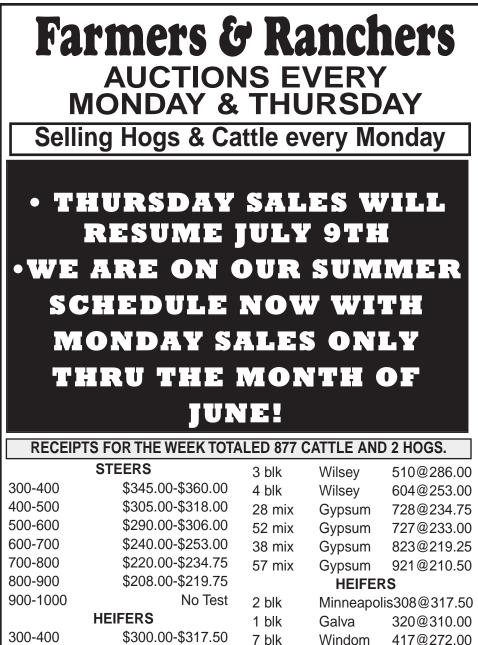
gree, he also worked as a soil scientist with a company in Sheridan, Wyoming, to determine soil suitability for subsurface irrigation through the analysis of soil chemical and physical properties by horizon. "I'm certainly excited about being able to use my past experience in the development of new hybrids and varieties for Ohlde Seed Farms," Evers relates. "As part of my job with Syngenta, I was involved in designing field and greenhouse

experiments to identify, characterize and position wheat varieties across the central and southern plains. However, I also coordinated all aspects of corn mini-strip trials, including field selection, mapping, planting, data collection, spraying, fertilizing and harvesting of yield trials. So I'm looking forward to doing much of the same for Ohlde Seed Farm."

Shane Ohlde, president of Ohlde Seed Farms, insists Evers' knowledge and

experience with soil science and plant development will benefit customers throughout the company's sales territory. "We're excited to have Byron be a part of our team. His primary focus will be the development of new soil-specific varieties, particularly as he works with new technology that is being introduced to farmers at a high rate of speed. Being able to evaluate these technologies and their impact on our cus-

tomers and products is critical moving forward." Ohlde notes. "At the same time, he will be in charge of all plots and research, including planting, harvest and evaluation of prospective varieties. I basically look at it as being a win-win for all of us as Byron and I work together... especially our customers." For more information on Ohlde Seed Farms or any of the Ohlde corn hybrids, call 785-692-4555 or visit www. ohldeseed.com



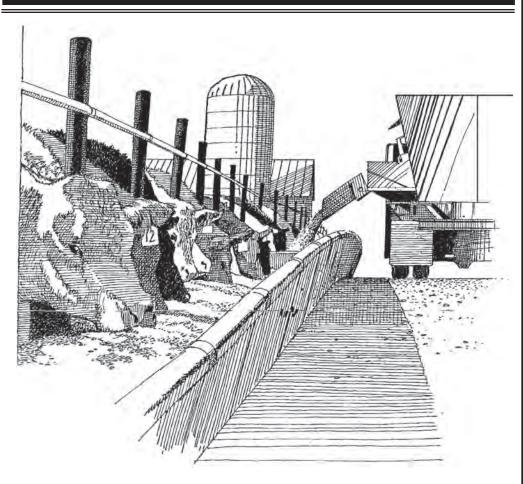
# Livestock Commission Co., Inc. Salina, KANSAS SALE BARN PHONE: 785-825-0211 **MONDAY — HOGS & CATTLE**

Hogs sell at 10:30 a.m. Cattle at 12:00 Noon. Selling calves and yearlings first, followed by Packer cows and bulls.

THURSDAY — CATTLE ONLY Selling starts at 10:00 a.m. Consign your cattle as early as possible so we can get them highly advertised.

> — AUCTIONEERS — KYLE ELWOOD, GARREN WALROD & RUSTY TAYLOR

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



3 blk	Nickerson	382@348.00	32 mix	Inman	811@205.00	1 bwf	Ca
1 blk	Galva	380@345.00		BULI	_S	1 blk	Ha
2 blk	Windom	355@345.00	1 blk	Concordi	a1660@135.00	I DIK	Па
3 blk	Wilsey	357@342.00	1 blk	Claflin	1620@132.00	1 red	Mir
2 blk	Salina	343@332.50	1 red	Holyrood	2210@129.00	1 red	Mi
2 blk	Marquette	330@330.00		CALV	ES	1 blk	Ste
7 mix	Nickerson	481@318.00	1 red	Holyrood	290@1,100.00		010
9 blk	Windom	462@315.00	2 blk	Salina	273@1,100.00		
7 blk	Randolph	513@306.00	2 blk	Oak Hill	258@1,000.00		R

5 blk

2 blk

14 blk

7 mix

4 blk

2 char

36 blk

10 mix

53 mix

Nickerson 480@261.00

Minneapolis478@259.00

Minneapolis526@250.00

Nickerson 603@229.00

520@256.00

556@250.00

733@214.50

713@213.50

720@212.25

Windom

Marion

Beloit

Inman

Assaria

# IN STOCK TODAY

Heavy Duty Round Bale Feeders

	vviisey	250@850.00	TDWT	Linasbor	g 1375@113.00
vf	Canton	180@700.00	1 blk	Longford	l 1245@112.00
k	Hays	165@675.00	1 blk	Hutchins	on1155@112.00
	COW	S	1 blk	Hutchins	on1180@111.00
d	Minneapoli	s1075@113.00	1 bwf	Wilson	1160@110.00
d	Minneapol	is1305@113.00	1 blk	Claflin	1115@110.00
k	Sterling	1380@113.00			

# LY CONSIGNMENTS FOR **MONDAY, JUNE 29TH:** 23 blk fall bred hfrs, Al bred to Gardiner Angus bulls, 1150 lbs.

# PLUS MORE BY SALE TIME!

For Information or estimates, contact:

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\$240.00-\$256.00

\$220.00-\$229.00

\$200.00-\$214.50

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**STEERS** 

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Minneapolis384@352.50

No Test

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

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

Jim Crowther 785-254-7385	Lisa Long 620-553-2351	Cody Schafer 620-381-1050	Kenny Briscoe 785-658-7386	Kevin Henke H: 785-729-3473. C: 785-565-3525	Austin Rathbun 785-531-0042
Roxbury, KS	Ellsworth, KS	Durham, KS	Lincoln, KS	Agenda, KS	Ellsworth, KS
Cattle Sale Broad	cast Live on www.cat	tleusa.com 1150 KSAL,	Salina 6:45 AM -MON.FRI **	****** 880 KRVN 8:40 AM – WEDTHURS. ******550AM P	(FRM - 8:00 am, WedThurs.

FRANKFORT, KS

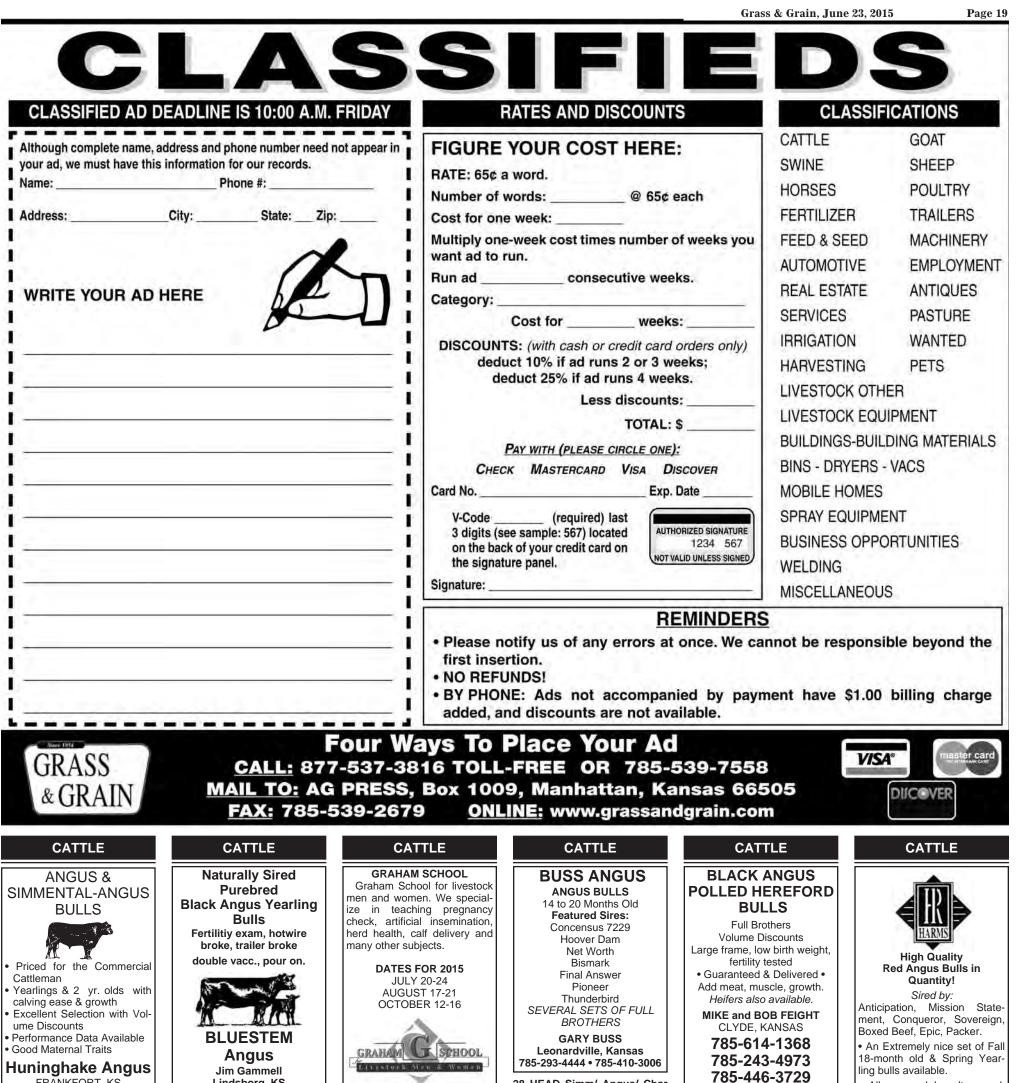
Leo Huninghake

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Cell: 785-556-2648

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polled. Calving ease and

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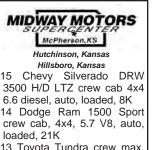
1991 INTERNATIONAL 8200 davcab twinscrew, 14 Cummins maintained.



matic, new 20' stakeless bed harsh hoist, rollover tarp Several Daycabs available Feed Mixers and Manure Spreaders

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max diesel economy manufacturing bale bed bar 6 cub feeder.



13 Toyota Tundra crew max, 4x4, V8, auto, loaded, nice 13 Ford F-150 XLT Super crew 4x4 5.0 V8, auto, 12 Ford F-250 crew 4x4, King

one owner, nice, 39K 11 GMC Sierra 2500 HD SLE ext. cab, 4x4, V8, auto, 49K

khanschu@



### AUTOMOTIVE



F-450 w/11' steel flat 2011 bed, XL, 6.8 V-10 gas, automatic, cruise control, air conditioning, white, 83,908 miles #449



\$24.995 2010 F-450 DRW 4x4 XLT w/hydra bale bed, 6.4 powe stroke turbo diesel, manual transmission, power win door locks dows, power speed control, tilt steering red, #1552A, 96,980 miles 2013 F-250 S/C XL. 4x4. 6.2 gas, power windows, power locks, speed control, tilt steering, 40/20/40 seats, FX4 off road pkg., trailer tow, air conditioning, remote keyless entry, AM/FM stereo/CD, 3 In Stock

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	Grass & Grain, Jun	ne 23, 2015 Page 21
MACHINERY	MACHINERY	MACHINERY
ALVAGING COMBINES N7, L, L2, M, F, G, C, CII, A&E, K Gleaner. 6620, 0, 8820, 7700, 6600, 4400, 0, 105, 95, 55, JD. 915, 0, 1460, 1420, 815 IHC. , 760, 750, 510, 410, 300	USED TRACTORS '12 Case IH FarmAll 50B MFD w/ldr., 285 hrs '11 Case IH Maxxum 125 w/ loader, 550 hrs '98 Case IH 8930 MFD, 4300 hrs	WE ARE DEALERS FOR GEHL BUSH HOG
sey. Several black and or- e Gleaner cornheads. Jack Boyle	<ul> <li>'41 IH FarmAll A w/Woods belly mower</li> <li>MISCELLANEOUS</li> <li>'14 Bushhog 2815 Batwing</li> </ul>	Kelly-Ryan- Kewanee - Westendorf C.E. Attachments H&S
Vermillion -382-6848 785-564-0511	'11 Case IH 3406 corn head '08 Case IH 530C Ecolo-Tiger '07 Case IH RMX340 25'	Just In 10', 12', 14', 16', 18', & 20' GATES
chmaster 10' offset disc \$2,250 e IH 900 6R30" planter 524 front blade\$1,250 n front dozer blade .\$1,000 ill 3000 loader w/JD mts \$1,250 700 grinder/mixer\$2,500 1630 12' disc\$3,500 1163 cornhead\$2,250 B 10' hydraulic blade \$1,800 96 32' disc\$5,500 no TW84 rotary mower \$2,250 te 230 21' field cultivator \$2,250 te 230 21' field cultivator \$3,500 eral Gravity WagonsCall 15' mtd drill 24x7\$2500 mhand 945 XL loader off ase tractor\$2,500 Mallenbruch Machinery Soldier, Kansas	<ul> <li>'09 Case IH 330 turbo 25' Case IH 4300 FC 33'</li> <li>'04 Case IH 2388 4WD, 2715 eng., 2135 sep.</li> <li>'91 Case IH 1680 combine 4WD</li> <li>'02 Case IH 1020 25'</li> <li>'99 Case IH 1020 20'</li> <li>'92 Case IH 820 15'</li> <li>'97 Case IH 1063 cornhead</li> <li>'94 Case IH 1063 cornhead</li> <li>'94 Case IH 1063 cornhead</li> <li>'94 Case IH 1063 cornheads</li> <li>'03 Case IH RBX462 rd. baler, twine/ net</li> <li>'95 Case IH 8465, A. baler</li> <li>'92 Case IH 8480 rd.baler</li> <li>'92 Case IH 8480 rd.baler</li> <li>'92 Case IH WRX 201 10 wheel rake</li> <li>'11 Case IH WRX301 12 wheel rake</li> <li>'93 Hesston 1150 MoCo 12' Tonutti 8 wheel carted rake</li> <li>IH 2001 loader</li> <li>GB 870 loader, fixer upper</li> <li>'60' rotary mower 2 pt. hitch 8' rear blade 2 pt. hitch</li> <li><b>NEW EQUIPMENT</b></li> <li>Maxxum 120</li> </ul>	CORRAL PANELS 10' corral panels\$70.00 12' corral panels\$80.00 14' corral panels\$90.00 16' corral panels\$100.00 HD Round Bale Feeders\$250 SKID LOADERS & ATTACHMENTS New Gehl R190 skid loader New Gehl R190 skid loader New Gehl R220 skid loader New Gehl R220 skid loaders New Gehl S240E, 1100 hours, cab w/heat, very nice 2010 Gehl V270 skid loader, 600 hrs Worksaver walk thru pallet forks 48"\$800 Haugen bale grapple bucket New CEA pallet forks New CEA tooth bars New Lowe and Danuser post hole diggers, skid loader mounts New Bale Spears for big rounds and square
785-834-2541 Cell: 785-305-0234	Maxum 125 TigerMate 28' F.C. 340 disc 28'	NEW EQUIPMENT Enorossi 12 wheel Batman rake
<b>For Sale:</b> trinson County Conserva- District is offering for sale sealed bid two older used ax 812 drills for the price of . Bids must be received by 10 and will be opened on 13. DCCD reserves the t to refuse any and all bids. led bids may be mailed to NE 14th Street, Abilene, 67410.	Several Bush Hog rotary mowers CASE AGRICULTURE ROSSVILLE Truck & Tractor ROSSVILLE, KANSAS 785-584-6195	Enorossi 14 wheel Hi Cap rakes Meyer's manure sprds 350 & 435 Cimmaron 6', 7', & 10' 3 pt. ro- tary mowers 6' Finish Mowers rear dischg. <b>USED EQUIPMENT</b> Danhuser F-8 3 pt. posthole digger 5' King cutter rotary mower 10' Kelly Ryan silage bagger
COMBINES 1 Case IH 7120, 4WD 1 Case IH 7088, 4WD 1 Case IH 3020 flex 30' 7 Case IH 7010 4WD 8 Case IH 2388 4WD 7 Case IH 2186 4WD 1 IH 963 6RN NEW TRACTORS e IH Maxxum 125 MFD e IH Farmall 115U MFD e IH Farmall 85C MFD USED TRACTORS	NEW EQUIPMENT R2800 rake R2300 rake VR1224 BPX 9000 Bale Processor TE170 Tedder MC 3700 USED EQUIPMENT 605 Super M baler 505 Super I Baler R2800 rake M850 Mower Demo	Mensch 6' sand shooter Kuhn 8132 manure spreader 1999 NH TV140 bi-directional, w/ 7614 loader, 2700 hrs AC 170 gas tractor GB 660 loader CIH 5120 & 5130 mountings <b>SENECA IMPL.CO.</b> Hwy. 36 West SENECA, KANSAS Day785-336-2621 Night785-336-2502
1 NH TL70 cab, 4WD 3 Case IH Magnum 340 3 Case IH Magnum 290 2 NH TS 6030, 4WD ldr. 3 Case IH 7140 MFD 2 JD 5420 MFD, cab, ldr. 3 Kubota M 9960 HDC WD, ldr. <b>MISCELLANEOUS</b> 1 Case IH 330 turbo 31' 6 Case IH RMX 370 disc 3'	NOW DEALERS PRAXAIR WELDING SUPPLY Vermeer WINKEL DEWEZE	FRONTIER         ROTARY         rake/           windrow         turner,         \$3,500.           785-466-6545.         \$6,650.           FOR SALE OR TRADE         Gravity Wagons, grain carts.           MF1080 81 HP         \$6,650           Cooter's         785-562-2027           785.562-2027         562.6121
6 Case IH DCX 131, disk ower 1 Case IH 1240 16/31 fert. 0 Case IH 1240 16/31 8 Case IH 1240 16RN, BF	BERG REPAIR 14200 Godlove Rd. Westmoreland, KS 785.457.3534	785-562-6131 JD 455 25' 71/2" spacing plain grain drill. 785-479-0787.
5 Case IH 4800 FC 32' 7 ME 2745, pet/twine	D A	2015 PJ 83"x20' remote quick tilt\$4,350

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Karl

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3) 23635 139th Street, Leavenworth, KS: Prime development on 7 Highway, great 105 acres m/l! Home features 4 bedrooms, super large master suite with private bath, hardwood floors, finished lower level, and vinvl siding. There is also a 2 bedroom 1 bath rental home on the property just to the left of the main entrance. Lots of outbuildings - perfect for farming and cattle! Priced at \$549,950.

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1975 CORNHUSKER 42 ft. cable traps budd wheels \$3000. 620-767-3308



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1995 2007 MF 2745, net/twine 1999 NH 658 twine 1990 Hesston 1150 MoCo 1980 IH 770 plow disk IH 490 disc 25' 2011 BushHog 2715 flex mwr 2004 JD 915-7 ripper



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785-242-1463 Evenings 785-979-2271 www.mcconnellmachineryco.com

1993 JD 930 rigid Fore and Aft, stainless on floor in front of feeder house, nice head, 620-767-5928 or \$4.950. 785-466-6019.

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Grain, June 25, 2015				
MACHINERY	MACHINERY	MACHINERY	MACHINERY	MACHINERY
FOR SALE: 2001 John Deere 925F 25 ft flex head new sickle,	SALVAGE COMBINES ALLIS N7-6, L2, L, M, G, F2,	Gleaner Combines	<b>2002 JD 9650 STS, chopper</b> Maurer extensions, 30.5 80%,	FOR SALE: Farmhand F11 loader, \$1,650; JD 347 twine
guards long dividers, fore aft poly single point contour shafts \$12500. Ph 785-587-5079.	F, CII, AII; JD 8820, 7720, 7700, 6600, 4400, 3300, 105,	830 Hugger CH\$7,950 JD 925 flex head with R series Bish adaptor\$8,500	small wire and round bar con- caves, 2,500 separator hours, nice with 930 flex poly fingers,	square baler for salvage. 785-765-3658.
JD 300 diesel tractor loader,	95, 55; MF 860, 760, 750, 510, 410; IH 1680, 1480, 1460, 915, 815, 715, 503, 403; NH	'99 R62 RWA\$49,500 '02 R62\$69,500	\$63,500. Would separate. 620-767-5928 or 785-466-6019.	JD 680 manure spreader good condition, always shedded
\$4,950. View Topeka Craigslist. 785-336-2067.	TR70-85, 1400, 995, 985, 975. SALVAGE TRACTORS	825, 520, 530 flex HDS GRAVITY WAGONS	PICKUP REEL for 925 JD with	\$6,500. 316-799-2642, 316-737-7121.
NEW EQUIPMENT Bush Hog rotary mowers 5'-15'	ALLIS 7000-7080, 220, 210, 190XT; D17-19; JD 84-8630,	EZ Trail gravity wagons, 230 to 400 bushel EZ Trail grain carts, 490 & 700	mounting & hydraulic motor, very good. 785-366-0021.	GRASS & GRAIN 785-539-7558
Vermeer 605N balers Vermeer VR1224 rake	7520, 6030, 5020, 4630, 4430, 4020, 3020, 720, 730; CASE	bushel		
Vermeer VR1428 rake Vermeer VR2040 rake Vermeer MC3700 mower	1470, 1370, 1270, 1200, 1070, 930, 400; IH 1568, 1466, 1256, 1066, 1026, 806; FORD	Great Plains Tillage Tools 81 Farm Eq. Service	Firestone	D®N'S
USED EQUIPMENT UMC 4500 grain cart	4-5-6-8-9000; MF 2745, 1155, 1100, 90, 85; OLIVER 2150;	McPherson, KS.620-241-3100	FARM TIRES	TIRE & SUPPLY
Vermeer 605F baler Vermeer 605 Super M	MM G1000; WH2-150, 4-150. <b>Mike's Equipment</b>	1-800-357-3101	THE LEADER IN THE FIELD	
2-Vermeer 605 M rebuilt Vermeer R23A Rake	BUHLER, KANSAS 1-800-543-2535	<b>B&amp;B 3 pt. 60 ft. spray booms,</b> foam marker & saddle tanks. 785-799-6039.	21.5L-16 FST rib Imp bolt rims 710/70R42 RAD AT D	\$225
Vermeer	1-600-545-2555		130.5L-32 SAT 23 12PF	R\$1.884
	BRUNA IMPL. CO. COMBINES:	2006 Bestway FPIV 90' \$16,000 (C)	800/70R38 RAD DT 23 TF-866-888-7838	3\$3,585 www.donstire.net
	2009 Case IH 8120 4WD, 1875 hrs\$187,000 (H)	2009 Bestway 1200/100 \$24,950 (C)		ABILENE, KS
G & R IMPL. CO.	2006 Case IH 8010 4WD, 3425 hrs\$125,000 (M)	Schaben Pro 500E 3 pt \$6,900 (S)		
WESTENDORF-BUSH HOG STIHL	2012 Case IH 7230 4WD, 1002 hrs\$216,500 (C)	2006 Case IH SPX3310 90', 1131 hrs\$122,500 (C)		
620-732-3245 or 620-732-2275	2009 Case IH 7120 4WD, 2501 hrs\$178,500 (H)	2012 JD 4830 100', 1499 hrs \$199,500 (C) 1996 RoGator 854 60/80', 6425	Ceta	
DURHAM, KANSAS	2000 Case IH 2388 4WD, 4019 hrs\$65,000 (H) 2003 Case IH 2388 4WD, 2967	hrs\$34,500 (C) 2011 Patriot 4420 100', 1964	HELPING KA	NSAS GROWI
<b>BUSH HOG</b>	hrs\$115,000 (H) 1998 Case IH 2366 4WD, 2527	hrs\$199,500 (S) 1997 Spra Coupe 3440 60',	TRACTORS	13 CIH 2303\$109900(GB)
GRASS & GRAIN 785-539-7558	hrs\$87,500 (M) 1988 Case IH 1688 4WD, 4276	3201 hrs\$30,000 (C) 2005 Spra Coupe 4450 60',	14 CIH S450\$284500(W) 14 CIH S400\$279500(W) 14 CIH F105C MFD\$67000(S)	13 CIH RD193 HD.\$35000(GB) 12 CIH 1903\$92000(W) 11 CIH WD2303\$89000(H)
GNA55 & GNAIN 705-555-7550	hrs\$19,500 (C) 1991 Case IH 1688 4WD, 3744	1186 hrs\$58,500 (W) 2008 Spra Coupe 4460 80',	14 CIH F120-A\$63000(S) 13 CIH S550\$294000(W) 13 CIH S500\$284000(W)	11 NH H8080 SP\$84900(LA) 10 NH H7550 PT\$20000(S) 04 CIH WDX1101\$39000(GB)
ico	hrs\$33,500 (M) 1996 Gleaner R72 4WD, 6322	1680 hrs\$68,000 (H) Tyler Patriot WT 75', 4936 hrs \$47,500 (W)	12 CIH M340\$217000(PR) 12 CIH M290\$199000(S)	GRAIN DRILL 12 CB 40'\$33500(LA)
AENT	hrs\$39,500 (M) HEADERS: 2012 Case IH 2162 40' draper .	Tyler Patriot 150, 4334 hrs	11 CIH S350\$223500(W) 11 CIH S400\$259000(S) 11 CIH M290\$190000(S)	12 CIH SDX40\$160000(LA) 11 CrustB 4030AP\$47000(S) 11 CrustB 4030AP\$45000(H)
'14 JD S670 2WD, 787 hrs, 10778\$262,500 (H)	2012 Case III 2102 40 diaper . \$56,500 (M) 2011 Case IH 2162 35' draper .	\$27,500 (W)	09 JD 9330\$160000(Ŵ) 06 CIH MX285\$126000(GB)	10 CIH SDX40\$105000(H) 08 GP 3S4000 HD.\$55000(GB)
<sup>0</sup> PRE-OWNED GRAIN CARTS <sup>0</sup> Brent 1194, 10162 hrs	2007 Case III 2102 00 diaper . 	Bruna Impl. Co. C - Clay Center: 785-632-5621	04 JD 7920\$90000(GB) 01 CIH MX240\$59000(W) 00 JD 8110FWA\$78500(H)	08 SF 9530\$52500(GB) 08 CB 4000AP\$48000(GB) 07 CIH SDX40 Air\$80000(S)
\$39,500 (E)	\$15,500 (W) 2008 Case IH 1020 25' flex	H - Hiawatha: 785-742-2261 M - Marysville: 785-562-5304	98 AgCo 6690\$26000(H) 87 Case 3594\$20000(W) 58 Massey\$4500(H)	05 SF 9433 40'\$59500(PR) 05 CIH SDX40 Air\$89500(H) 04 JD 455 30'\$29900(LA)
'03 EZ Trail 510, 10667 hrs 	\$15,500 (C) 1998 Case IH 1020 22.5' flex	S - Seneca: 785-336-2111	<b>COMBINES</b> 14 CIH 7230\$299500(W)	03 GP 3S4000\$40000(H) 03 GP 3S4000\$39500(S)
'09 Brent 1194, 10158 hrs \$39,500 (H)	\$14,500 (M) 2001 Case IH 1020 20' flex	W - Washington: 785-325-2232 List of our entire	13 Case IH 7230\$230000(PR) 12 CIH 7230\$221000(H) 12 CIH 8230\$310000(W)	03 GP 3S4000\$35000(H) 03 CB 4740AP\$49000(H) 02 CIH SDX30\$49000(H)
'94 EZ Trail 500, 10792 hrs	\$12,500 (H) 1990 Case IH 1010 25' rigid	used inventory on: www.brunaimplementco.com	10 CIH 6088\$151000(S) 10 CIH 7120\$205000(H)	00 GP 3S3000\$27500(LA) 00 SF 9432 30'\$24500(S)
\$6,500 (B) '09 Brent 1194, 10161 hrs	\$5,250 (C) <b>SPRAYERS:</b> 2008 Bestway FPIV 80'	CASE III	09 CIH 8120\$204500(W) 09 CIH 7088\$165000(S) 08 CIH 7010\$140000(S)	00 JD 455 35'\$26000(S) 98 JD 455\$26000(S) 98 CB 4030\$16500(H)
\$39,500 (H) '12 J&M 1050, 10601 hrs	\$22,500 (W)	AGRICULTURE	08 CIH 7010\$159500(Ŵ) 07 JD 9760\$129000(LA) 05 CIH 8010\$139000(PR)	97 GP 3S3000\$27500(LA) 97 GP 2SF24\$14800(S) 89 GP 45'SS\$14500(W)
E 8th 4820 Vine Street	— ITEMS FOR SALE —	1999 SF 1433-35 disc, nice	01 CIH 2388 RWA\$66000(H) 99 CIH 2388 w/HDR	89 GP 2SP30\$13500(H) PLANTERS
vorth, KS 67439 Hays, KS 67601 522-9600 (800) 658-4640	2005 AgCo DT240A tractor 	blades\$21,000 JD 637 disc Wheatland, nice	\$68000(GB) 99 CIH 2388\$68500(W) 95 CIH 2188\$49000(M)	13 JD 1770\$112500(W) 11 CIH 1250 24R\$135000(W) 08 CIH 1230 16R\$37000(H)
. ,	JD 5010 tractor\$9,500 JD 4430 tractor w/158 loader \$13,500	CALL JD 650 disc 3 ft\$18,500 CIH 496 disc 25 ft\$5,000	93 CIH 1666\$32000(H) 91 CIH 1660\$28500(H)	05 CIH 1200 16RN \$53000(GB) 98 White 6128 8R\$18750(W)
<sup>605</sup> JD 4720\$99,500 <sup>605</sup> Spray Coupe 4450\$47,500 <sup>601</sup> Spray Coupe 3630\$18,900	IHC Super MTA tractor 1954 yr.	Sunflower 1433 disc	91 CIH 1660\$23500(W) HEADERS 14 Mcdn FD75 30'\$69000(H)	JD 7000 12RN\$10000(W) SPRAYERS 14 CIH SPX4430\$299800(W)
<ul> <li>'91 Spray Coupe 3630\$18,900</li> <li>'12 RoGator RG900 .\$184,750</li> <li>'08 Bestway 1200\$15,500</li> </ul>	Belarus 250A tractor\$3,500 AC 7060 tractor\$6,000	Blu Jet ripper 8 shk \$7,500 White 5 btm. plow \$1,500	13 JD 635F 35'F\$25700(H) 13 CIH 2162 40'FD\$70000(H)	13 CIH SPX3340\$27500(W) 13 CIH SPX4430\$229800(W)
'12 New Leader 345 .\$99,500 — <b>TRACTORS</b> —	IH 1086 tractor w/loader, new engineCALL	Kent Series V field cultivator 23 ft	12 CIH 2162 40'FD\$65000(W) 12 CIH 3020FH\$25900(M) 12 CIH 3020FH\$23500(PR)	12 CIH SPX4430\$259000(PR) 12 CIH SPX3330\$195000(GB) 10 CIH PAT 3330\$179000(H)
'09 JD 9430 PTO\$159,500 '08 JD 9430T\$185,000 '08 JD 9430T\$169,500	2001 1254 AgChem rogator	Kent Series V field cultivator 28 ft\$3,500 Orthman cultivator 12R30 CALL	12 CIH 3412\$34000(LA) 10 Mcdn FD70 40'FD \$63500(W)	10 CIH SPX3330\$180000(H) 09 CIH SPX3330\$160000(GB) 07 CIH SPX3310\$125000(H)
000000000000000000000000000000000000000				57 OIT OF A0010φ12000(Π)

 '12 JD 9360 3 pt. PTO\$219,500

 '02 JD 9320T

 '01 JD 9300 PS

 '449,500

'10 JD 1770 16-30" . .\$72,500 '08 JD 1770 16/30" . .\$62,500

'04 JD 1770 16-30" . .\$44,750 '01 JD 1770 16-30" . .\$35,500

. .\$51,500

'07 JD 1770 16-30"

2009 1084 AgChem rogator . . . \$90,000 2012 JD 328 D Skidsteer mechanic special ....\$14,750

16 JJ 770 12:307 5:41.000       10 JJ 9300 FS       3:49:000       11 JJ 8360 FWD       3:24:000       10 JJ 720 16:31       3:40:000       10 JJ 720 177 172 JJ 720	'11 JD 1770 12/30" LF \$76,500	'02 JD 9320T\$117,500	2012 JD 328 D Skidsteer	Hiniker 5000 cultivator 12R30 .	10 JD 635F\$33900(GB)	06 CIH SPX3310\$135000(GB)
1000 gallon 90 11 230 1631544.000 94 JD 1730 1631557.000 19 Kinze 3500 1631545.000 19 Kinze 3500 1631545.000 19 JD 4730 1631557.000 19 JD 4730 MFWD557.500 10 JD 4730 MFWD557.500 10 JD 4730 MFWD557.500 10 JD 474 JD 4780 MFWD557.500 10 JD 4530 mfWD575.500 10 JD 4540 MFWD575.500 10 LH 30 JD 5540 MH575.500 10 LH 30 JD 5540 MH		'01 JD 9300 PS\$49,500	mechanic special\$14,750			
10.0 J 1780 f631584.000       12.0 B335 MEVD 5.220.000       100 galon 96 H pull type	'08 JD 1760 12-30"\$45,000		Great Plains TSF 1090 sprayer	Blu Jet 117 shank\$7,000		00 CIH 4260\$72000 (H)
194 JJ 730 1631 \$44,750       97. JD 8300       77. JD 8000       7	'10 JD 1790 16/31\$94,000		1000 gallon 90 ft. pull type	JD 7200 6R planter, nice		
143       11/201       12/30				\$11.000		
199 JU 1780 Gr11 222.950 90 D890 36 01 5 01 5 01 5 00 w/ bader \$29 950 97 JD 780 Gr11 222.950 97 JD 780 Gr11 222.950 97 JD 780 Gr11 222.950 97 JD 780 Gr12 Gr12 Gr22 Str. 358000(H) 94 JD 780 MFWD 557,500 94 JD 780 MFWD 557,500 94 JD 780 MFWD 557,500 91 JD 641 M 262 5 27 528000(H) 92 JD 780 MFWD 557,500 91 JD 641 M 262 5 27 528000(H) 92 JD 780 MFWD 557,500 91 JD 641 M 262 5 27 528000(H) 92 JD 770 MFWD 557,500 91 JD 641 M 262 5 27 528000(H) 92 JD 770 MFWD 557,500 91 JD 641 M 262 5 27 528000(H) 92 JD 770 MFWD 557,500 91 JD 641 M 262 5 27 528000(H) 92 JD 770 MFWD 557,500 91 JD 641 M WFWD 547,500 71 JD 641 M 262 5 M 528000(H) 92 SF 144 31 St 6500 71 JD 641 M WFWD 547,500 71 JD 970 MWD 5480,000 71 JD 970 HILL GE 71 JD 970 M WD 548,000 71 JD 9860 MH0 522,500 71 JD 970 MH0 5480,000 71 JD 9860 MH0 532,500 70 JD 9860 MH0 538,500 70 JD 9860 MH0 532,500 70 JD 9860 MH0 532,500 70 JD 9860 MH0 532,500 70 JD 9860 MH0 538,500 70 JD 9860 MH0 538,500						13 CIH RM330 31'\$52000(S)
19       19 <td< td=""><td></td><td></td><td></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td></td<>				· · · · · · · · · · · · · · · · · · ·		
12 Kinze 3660 (631 Ki 103 300       94 JD 7600 MFVD. \$\$7.500 94 JD 760 MFVD. \$\$7.500 94 JD 760 MFVD. \$\$7.500 01 JD 645 Mirer 320 7 Jol 770 JD 455 JD 100 JD 970 JD 455 JD 100 JD 970 JD 770 JD 70 JD 70 JD 70 JD 70 JD						
16 Kinze 3560 1631 324200       19 J.D 4750 MFWD. \$\$7,500       10 220 right head\$1,000       2007 J.D 1770 planter NT       554000(H)       99 SF 1443 35 disc. \$17500 (W)       99 J.S 1443 35 disc. \$17500 (W)						
15 Kinze 3050 1631 342:500 76 JJ 0455 117: 179, 2145 342:500 76 JJ 0455 117: 179, 2145 342:500 76 JJ 0455 117: 179, 2145 345:00 76 JJ 0455 117: 175, 200 76 JJ 0455 113, 215, 200 76 JJ 145 104, 115, 220 76 JJ 145 104, 115, 220 76 JJ 145 104, 115, 220 76 JJ 145 104, 115, 210, 210 77 JJ 946 JM 0145 115, 200 77 JJ 946 JM 0145 115, 200 71 JJ 967 110, 215, 215, 215, 215, 215, 215, 215, 215						
105 Kince 3200 12:30 12:30 12:30 12:30 12:30 37       381500       76 JD 4430       381500       78 JD 4430       381500       381500       381500       381500       381500       381500       381500       381500       381500       381500       381500       381500       381500       381500       381500					05 JD 635E 35' \$15000(S)	
303 Kinoze 3700 24.307 sta3.307 04 JD 1690 35:15" 54.300 microader 515.500 01 JD 6410 IFWD .547.500 12 CH 200 KTWD .547.500 12 CH 200 KTWD .547.500 12 D 6410 IFWD .547.500 12 D 6410 MTWD .547.500 12 D 550					05 Mcdn 963 \$32500(PR)	
04 JD 630 35:15" \$43000 0 - COMBINES 0						
<b>Condenses</b>				I		
One Year Power Guard Use Season waiver 2.9% Interest 31 JD Se60         THL Left 200 MirryD         S14,000 31 JD Se60         THL Left 200 MirryD         S13,000 31 JD Se60         S15,000 CH 4300 S1         S17,500 S12 JD Se60         S17,500 Vincin 3400 FC         S17,500 S12 JD Se60         S17,500 CH 1430 S1         S17,500 S12 JD Se60         S17,500 CH 1430 S1         S17,500 S12 JD Se6         S17,500 S13 JD SE7         S18,500 S12 JD Se6         S17,500 S12 JD Se6				I	01 CIH 2208 CH\$17500(W)	
Use Season waiver 2.9% Interest 13 JD S690       Till LAGE       Till LAGE       Krause 1915 21 'disk.       Krause 1915 21 'disk.         13 JD S690       \$31,000 (H 4300 51')       \$35,000(GB) (JD 455 drill 7.5'x30', nice       \$36,000 (JD 456 drill 7.5'x30', nice       \$36,000 (JD 456 drill 7.5'x30', nice       \$36,000 (JD 456 drill 7.5'x30', nice       \$36,000 (JD 450 drill 7.5'x30', nice       \$37,000 (JD 450 drill 7.5'x30', nice       \$36,000 (JD 450 drill 7.5'x30', nice       \$36,000 (JD 450 drill 7.5'x30', nice       \$36,000 (JD 450 drill 7.5'x30', nice       \$37,000 (JD 450 drill 7.5'x30', nice       \$36,000 (JD 450 drill 7.5'x30', nice       JD 450 d						\$13500(W)
2.9% Interest       13 JD 5860       13 JD 510 33       359.900       2006 CH 242 comhead       Spacing       51,000       96 CH 1063 6RCH. S9900(GB)       JD 455 orll 75'x30", nice       96 CH 1063 6RCH. S9900(GB)       JD 455 orll 75'x30", nice       JD 455 orll 75'x30", nice       96 CH 1063 6RCH. S9900(GB)       JD 455 orll 75'x30", nice       JD 450'y15'y15'y15'y15'y15'y15'y15'y15'y15'y15						
13 JD 5870 4WD. \$215.000 13 JD 5870 4WD. \$215.000 12 JD 5870 4WD. \$235.000 12 JD 5870 4WD. \$235.000 12 JD 5870 4WD. \$235.000 12 JD 5870 4WD. \$235.000 12 JD 5870 4WD. \$235.000 13 JD 577 4WD. \$189.500 19 JD 9770 4WD. \$189.500 10 JD 9570 \$180.000 10 JD 9560 Hillco \$15,000 10 CL HZ 388 \$15,000 10 CL HZ 380 \$15,000 10 CL HZ 3						\$3500(GB)
12 JD S670 4WD       .\$215,000	'13 JD S690 \$315.000					DMI 2500 7 shk rip \$10500(GB)
13 JD S660 4WD       \$\$235,000						
12 JD S660					CIH 883 8RCH	IN 1 496 24 disc
11 JD 9770 4WD       \$169,500       '96 JD 566       \$9,950         10 JD 9770 4WD       \$180,000       '101 30 'rigit, \$2,200       '101 30 'rigit, \$2,200       '101 30 'rigit, \$2,200         10 JD 9770 4WD       \$180,000       '101 30 'rigit, \$2,200       '101 30 'rigit, \$2,200       '101 30 'rigit, \$2,200         10 JD 9770 4WD       \$180,000       '101 20 'rigit, \$2,200       '101 30 'rigit, \$2,000       '101 30 'rigi			E-Z Trail 475 Grain Cart .CALL		(4) 1020 30 FH . 312500-317000	
11 JD 9570 Hilloc .\$180,000       \$8 JD 530\$4,000         109 JD 9770 Hilloc .\$180,000       \$8 JD 530\$8,000         109 JD 9770 Hilloc .\$152,500       \$05 Gehl 2880\$8,250         107 JD 9660 Hilloc .\$129,500       \$10,000 S7,100 JD 956\$16,500         109 JD 9770 Hilloc .\$152,500       \$310,000         109 JD 9770 Hilloc .\$152,500       \$310,000         109 JD 9770 Hilloc .\$152,500       \$32,500         109 JD 9660 Hilloc .\$129,500       \$316,500         109 JD 9570\$130,000       \$32,500         100 JD 9570\$130,000       \$32,500         103 LC TF 70R\$99,750       \$316,500         112 LD 9570\$130,000       \$100 DE 310,000         104 JD 9560 SH			Haybuster H-1100 tub grinder .			Hession 2210 22 FC.\$5000(W)
103 JD 9770 4WD       .5199,500         103 JD 9770 4WD       .5199,500         104 JD 9770 4WD       .5199,500         105 JD 960 4WD       .5129,500         107 JD 9660 Hillco       .5129,500         105 JD 9600 4WD       .532,500         105 JD 9600 4WD       .532,500         104 JD 9560 SH       .598,500         104 JD 9560 SH       .599,500         104 JD 9560 SH       .599,500         105 CH 2880       .516,500         112 JD 9670       .516,500         105 CH 2880       .599,750         105 CH 288       .599,750         112 CH 788 JB 245       .516,500         112 CH 288       .599,750         112 CH 288       .599,750         112 CH 288						Salina Kansas (S)
09 9770 4WD       \$199,70       \$199,70       \$199,70       \$199,70       \$199,70       \$199,70       \$199,70       \$199,70       \$199,70       \$199,500       \$152,500       \$152,500       \$200,200,500       \$180,000       \$219,956       \$180,000       \$19,500       \$180,000       \$219,956       \$180,000       \$199,500       \$199,500       \$199,500       \$199,500       \$199,500       \$199,500       \$225,500       \$100,200,500       \$225,500       \$225,500       \$100,200,500       \$225,500       \$100,200,500       \$225,500       \$100,200,500       \$225,500       \$100,200,500       \$225,500       \$200,000,500 <t< td=""><td></td><td></td><td>Haybuster H-1000 tub grinder .</td><td></td><td>BALERS/RAKES</td><td></td></t<>			Haybuster H-1000 tub grinder .		BALERS/RAKES	
10 b 9 7/0 mild:       3.9 12,350       '08 JD 285\$8,250         10 JD 9660 Hillco\$129,500       '08 JD 285\$16,500         10 JD 9660 Hillco\$298,000       '95 JD 9600 4WD\$32,500         10 JD 9570\$130,000       '04 JD 9560 SH\$95,500         11 Cli RB564 Millco\$290,000       '10 Cli RB56500         11 Cli RB564 Millco\$129,000       '10 JD 9570\$130,000         10 JD 9570\$99,750       '10 JD 9560 SH\$99,500         11 Cli RB564 Millco\$290,000       '10 Cli RB5690         11 Cli RB564 Millco\$290,000       '10 LB 856\$99,750         11 Cli RB564 Millco\$110,000       Marion, Kansas (M)         11 Cli RB564 Millco				NEWCALL	13 Sitrex MK 16HC\$15900	
11 JD 9670       \$180,000         07 JD 9660 Hillco       \$129,500         02 JD 956       \$16,500         95 JD 9600 4WD       \$\$32,500         10 JD 9570       \$\$13,000         04 JD 9560 SH       \$\$99,500         13 CAT 760       \$\$290,000         16 CAT 570R       \$\$290,000         16 CAT 570R       \$\$99,750         16 CAT 570R       \$\$99,750         11 CH 5088       \$\$17,5000         11 CH 5088       \$\$175,000         12 NH 7090 Spec RB.       \$\$16,000         14 JD 9670       \$\$16,000         13 CAT 760       \$\$290,000         14 LB 5864       \$\$15,000         14 LB 5864       \$\$15,000         14 LB 5864       \$\$16,000         15 CH 2388       \$\$175,000         14 LB 5864       \$\$145,000(W)         15 CH 2388       \$\$175,000         16 LB 2388       \$\$175,000         16 LB 2388       \$\$175,000         12 JD 4830 100'       \$\$184,750         12 JD 4830 100'<			EZ Trail gravity wagon 300 bu.	Complete listing on our web:	13 H&S HD11 17whl \$22000(S)	
105 JD 9660				www.jonesmachineryinc.com	12 NH 7090 Spec RB	Pratt, Ks. (PR)
105 JD 9660       \$98,000         195 JD 9660       \$98,000         195 JD 9600 AWD       \$\$32,500         10 JD 9570       \$\$13,000         104 JD 9560 SH       \$\$290,000         105 JD 9600 SH       \$\$290,000         106 CAT 570R       \$\$290,000         106 CAT 570R       \$\$299,750         106 CAT 570R       \$\$99,750         106 CAT 570R       \$\$99,750         106 CAT 570R       \$\$99,750         105 CIH 2388       \$\$175,000         111 CIH 5088       \$\$14500(W)         112 CIH 82562       \$\$99,750         105 CIH 2388       \$\$175,000         112 CIH 82562       \$\$99,750         105 CIH 2388       \$\$175,000         112 CIH 82562       \$\$99,00(H)         112 CIH 82562       \$\$99,00(H)         112 CIH 82562       \$\$99,00(H)         112 CIH 82562       \$\$99,00(H)         112 CIH 82562       \$\$99,00(G)         112 CIH 82564       \$\$1,000         112 CIH 825650       \$\$1,000 <td< td=""><td></td><td>02 JD 956\$16,500</td><td>2008 JD 946 MoCo swather</td><td></td><td>\$22500</td><td></td></td<>		02 JD 956\$16,500	2008 JD 946 MoCo swather		\$22500	
195 JD 9600 4WD\$32,500       10 H&S 17 whl\$15,000       10 H&S 17 whl\$15,000       1-877382-2188         10 JD 9570\$130,000       09 Darf 917 rake\$22000(GB)       09 Darf 917 rake\$22000(GB)       620-382-5439 Marlin         10 H&S 17 whl\$15,000       10 H&S 17 whl\$15,000       10 H&S 17 whl\$15,000       1-80773-7012         11 CH 5088\$175,000       11 CH 5088\$175,000       11 CH 238 a\$94,950       10 H&S 17 whl\$15,000       1-800-658-1714         12 COT JD 246 MoCo swather       11 CH 5088\$175,000       11 CH 700 4001/16       12 Stacke\$5,500       10 H&S 17 whl\$15,000       1-800-658-1714         12 JD 4830 100' \$184,750       785-742-7121       HIAWATHA, KS 66434       785-742-7121       Stacke\$35,500       785-282-0432 Cell       785-686-4005       1-800-658-1706	'05 JD 9660 \$98,000			BUY/SELL/TRADE DAILY	11 CIH RB564\$27500(H)	
10 JD 9570       \$130,000         04 JD 9560 SH       \$95,500         13 CAT 760       \$290,000         13 CAT 760       \$290,000         13 CAT 760       \$99,750         10 CAT 570R       \$99,750         10 CAT 570R       \$99,750         11 CH5 5088       \$175,000         11 CH5 5088       \$175,000         12 JD 4830 100'       \$184,750         785-742-7121       HIAWATHA, KS 66434             12 JD 4830 100'       \$184,750             785-742-7121       HIAWATHA, KS 66434             12 JD 4830 100'       \$184,750             13 JD 4800 100'       \$184,750             12 JD 4830 100'       \$184,750             12 JD 4830 100'       \$184,750             12 JD 4830 100'	'95 JD 9600 4WD\$32,500				10 H&S 17 whl\$18500(GB)	
104 JD 9560 SH\$95,500         13 CAT 760\$2290,000         13 CAT 760\$290,000         13 CAT 760\$290,000         13 CAT 760\$99,750         14 JD 9560 SH\$99,750         15 CHT 870R\$99,750         16 CAT 570R\$99,750         16 CAT 570R\$99,9750         17 CAT 760\$99,9750         16 CAT 570R\$99,9750         16 CAT 570R\$99,900(B)         17 CAT 760\$99,900         16 CAT 570R\$99,900         16 CAT 570R\$99,900(B)         17 CAT 760	'10 JD 9570\$130,000					
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### Grass & Grain, June 23, 2015 Page 24 Common interests, water challenges bring Pakistanis to Kansas

**By Mary Lou Peter** Aliya Mohydin came to Kansas looking for ideas on how to grow high-value vegetable crops using the best water management methods available. She left with plenty of ideas and a better understanding of U.S. and Kansas agriculture - and of Americans in general.

Mohydin, who grows offseason vegetables on 62.5 acres in Lahore, Pakistan, was one of nine Pakistani farmers, industry and government representatives who traveled to Kansas and Colorado in May on an 11day educational trip hosted by Kansas State University. The training was funded by the U.S. Agency for Interna-Development tional (USAID) in partnership with World Learning.

"There were several different types of irrigation methods that I saw, starting from basic gravity, gated pipes and siphon tubes to the more expensive sprinkler irrigation like the linear move, center pivot, mobile center pivot, subsurface drip irrigation systems, and surface drip pivot (or mobile drip) irrigation," she said. "Personally, I think all (of the) irrigation methods can be successful in Pakistan, as each has the potential to allow the farmer to create a strong competitive advantage."

Jonathan Aguilar, K-State Research and Extension water resource specialist, along with Dan Devlin, K-State agronomy professor and director of the Kansas Center for Agriculture and the Environment, and Dan Rogers, an Extension irrigation specialist, coordinated the visit, working closely with Nina Lilja, associate dean in K-State's College of Agriculture.

The education went both ways, Aguilar said, adding that he learned Pakistan has some of the oldest functional gravity irrigation systems in the world. They excel in delivering water from the reservoir to the farm, he said, but are eager to learn different application practices, as they are still mostly flood irrigating.

### Similarities between **Pakistan and Kansas**

Kansas and Pakistan are close to the same latitude and both have semi-arid regions, said Aguilar, who is based in Garden City, Kansas. Farmers in both areas face the challenge of growing crops with limited water. Both grow wheat, corn and soybeans.

"Punjab, like Kansas, is a main source of agriculture and has generally flat or plain topography," Mohydin said.

Kansas agriculturists hosting the Pakistanis made sense, as K-State researchers are finding the best crops to grow, as well as improving crops and looking for the most effective water management practices, Aguilar said. Their findings are relevant for Kansas growers, as well as those in other states and countries. "My late mother, Gulshan, was one of the few women who actively practiced intensive agriculture in Punjab and was renowned as a major producer of wheat seed, cotton and sugarcane in the region," said Mohydin, whose family has farmed for generations.

Like Kansas, Punjab pro-

ducers grow wheat, corn and poor quality seeds. (maize), sorghum and cotton as part of their cropping pattern. Dairy farming is also common in Pakistan. especially in Punjab.

**Differences also exist** 

Major differences, Mohydin said, are the size of farms, population and tillage practices. Most farmers in Pakistan own just a few acres and the majority use intense tillage – a trend many U.S. farmers are moving away from.

In 2009, 35.5 percent of U.S. cropland (88 million acres) planted to eight major crops used no tillage, and the rate was growing every year, according to the U.S. Department of Agriculture's Economic Research Service.

Also different is the source of irrigation water, Aguilar said. Pakistan's crops are mostly irrigated with water from reservoirs filled by mountain runoff. Kansas farmers largely rely on irrigation from the Ogallala Aquifer in western Kansas and on precipitation in the eastern part of the state.

Pakistan also grows rice. olives and tree fruits.

Unlike Kansas, physical labor is abundant in Pakistan, Mohydin said, but there is poor technical expertise. There are few vendors of highly automated machinery as well as a lack of resources and after-sales services to maintain equipment that is available.

Frequent, unexpected power shortages and high electric and fuel costs also hamper farming, and adulteration is common, Mohydin said, including fake or non-certified pesticides Working together

K-State wanted to get involved to show countries like Pakistan how farmers in Kansas are using irrigation wisely and profitably, Aguilar said. "We want others to know what we do best and what lessons we have learned along the way. Although Kansas is relatively young compared with Pakistan in terms of irrigation system use, we have made a fast and significant change in our on-farm water management. In more than half a century, farmers have gone from dryland, to irrigated by flood, then to center pivot, and now to drip irrigation technology."

Kansas has drastically improved its irrigation efficiency from a low of 50 percent efficient with flood irrigation, to as high as 95 percent using subsurface drip irrigation, he added.

"The training was designed not as typical classroom-type sessions but rather a mixture of lecture,  $discussion, \ field\mbox{-tour}$  and immersion," Aguilar said. They started with a lecture and tour in Manhattan, then traveled to Scandia, Courtland, Colby, Garden City and back to Manhattan over the 11 days. Although her family has farmed for generations, Mohydin just started in 2013. She applied for a USAID grant which funded four long-life high tunnels to cultivate highvalue, off-season vegetables. She runs the farm with two staff members. Her farm is in a densely populated area surrounding Kasur. She plans to expand the area covered by hightunnels from 0.5 acres to 5

acres by May 2016 and 15 acres by May 2017.

She grows tomatoes, cucumbers, bitter gourd, capsicum, turnips, cauliflower, tumeric, and green chilies as well as seasonal vegetables in open space. Vertical farming is done in the high tunnels where tomatoes, cucumbers, and bitter gourd are grown. Corn and wheat is also grown on the farm.

"Given the high growth rate of Pakistan's fruits and vegetables industry, primarily due to urbanization and a growing middle-class segment coupled with high demand for exports, I am confident that I will be able to achieve my goals," she said. Once the farm is sustainable and profitable, she plans to capitalize on all of her acreage and to contribute to the community.

Mohydin uses furrow irrigation, but plans to introduce surface drip irrigation.

Other changes she expects to make as a result of the training include checks on water quality and soil nutrients; understanding crop water requirements and irrigation scheduling; conserving water by lining open water channels; and efficient use of resources to minimize environmental degradation. She also learned the importance of identifying pests before choosing a pesticide.

She believes that irrigation systems used in the U.S. could be used in Pakistan, but that high energy and installation costs, as well as few vendors, could hinder the adoption of such systems.

"I am confident that if high-efficiency irrigation

systems are customized, powered by cheaper energy and operational and maintenance technical assistance is provided, they could do wonders for the country," Mohydin said. "Especially when we consider that Pakistan is expected to face a major water crisis in the future."

USAID stipulated that the trainees "experience America," Aguilar said, so the schedule included shopping plus water-related visits at Pike's Peak in Colorado, a social evening in Garden City, and visits to Cheyenne Bottoms Education Center near Great Bend, and the Flint Hills Discovery Center in Manhattan.

"I was just awestruck by the landscape, the area known as the breadbasket of USA," Mohydin said in describing her visit. The sheer expanse of (Kansas) with its gentle undulating topography - my first impression was wow! God is wearing green."

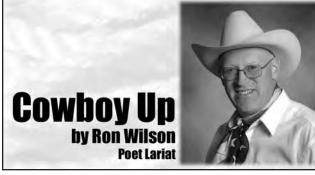
"A visit to Kearny County Hospital, where the commitment of providing quality health care facilities along with taking care of the elderly by mimicking a home-like atmosphere was enlightening," she very said.

"Kansas State University is beautiful and inspirational and it was a privilege to learn about water management and spend time with some of their esteemed faculty members," Mohydin said.

Another group of Pakistani agriculturists is expected to arrive in August or September.



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# Rebirth

There is a life cycle on the farm. Calves are born in through the years. Four early spring and start to grow. Foals are born and start to frolic. Seeds are planted (if the rain ever gave us a break) and we see them germinate and emerge. With time, these crops grow to fruition and come to a time of harvest, and the cycle starts over again.

Maybe this life cycle applies to other things as well. Recently we were part of an interesting transition involving the Zeandale 4-H club.

Zeandale is located on the south side of the Kansas River Valley, not far from our ranch. Zeandale is a wonderful farming community. After all, the name means corn valley. The first part of the town name comes from zea mays (the scientific name for corn) and the second part is dale, meaning valley. It is very appropriate that corn is still raised in this fertile valley.

Another rural institution grew in this valley: 4-H. The



The club was very active generations of some of the founding families were members. But like many rural institutions, the club went through a lifecycle of its own. Demographics changed. Schools closed. There were fewer farm families and fewer kids. The 4-H organization broadened itself to include all kinds of projects and opportunities, but the time finally came that the Zeandale 4-H club had to close.

Stormie Clemens was a member of Zeandale 4-H when she was little. She loved her horses and her other 4-H projects. Stormie and her parents are neighbors of ours, and after we had moved back to the ranch for a while, we got to talking about restarting the local 4-H club. Other neighbors and families joined in. It took a lot of time, effort, and discussion to reorganize the club.

On June 14, 2015, a celebration was held at the Zeandale Community Center. The purpose of the celebra-

### Grass & Grain, June 23, 2015 Page 25 K-State scientists discover temperature's role in Palmer amaranth control

### **By Steve Watson**

A mystery has been solved by Kansas State University scientists, and as a result agricultural producers struggling to control one of the toughest weeds around will benefit.

For several years, agricultural producers and professional agronomists in Kansas had noticed that the effectiveness of a recent class of herbicides in controlling an aggressive pigweed species called Palmer amaranth seemed to depend on temperature. The popular "HPPD-inhibitor" class of herbicides would control Palmer amaranth well under cool conditions (less than 80 degrees F), but often were less effective as temperatures increased into the upper 80s and into the 90s, said Curtis Thompson, K-State professor and weed management specialist.

But why? Were the observations real, or just a coincidence? If real, this phenomenon would have significant implications for spray timing and possibly even crop selection. To answer the question, it was important to discover and explain if indeed any physiological or molecular mechanisms are involved in such response.

K-State scientists have now provided the answer. In a new paper published in the online journal PLOS ONE, K-State assistant professor and weed physiologist Mithila Jugulam and

ranth plants are better able to metabolize mesotrione within the plant. In other words, when temperatures are very warm the weeds are destroying more of the herbicide internally before the herbicide can injure the plants," Jugulam said.

"Also, when temperatures are elevated Palmer amaranth HPPD enzyme activity is increased, making it harder for the HPPD-inhibitor herbicides to block the activity of all the HPPD enzymes in the weed," she added.

Both mechanisms are important in determining how effective mesotrione herbicide will be on Palmer amaranth. she said.

"This explains why the herbicide in the field is more consistent in controlling Palmer amaranth when applied earlier in the growing season, or when applied in the morning rather than the afternoon later in the season when afternoon temperatures are high," Jugulam said.

This is what producers and agricultural service providers see from time to time in the field, Thompson said.

"In general terms, mesotrione seemed to be a little inconsistent in its effectiveness on Palmer amaranth, and we didn't know why," Thompson said. "Mesotrione seemed to be more consistent in controlling Palmer amaranth when used earlier in the season for corn production than when used later in the season for grain sorghum production. We needed to know if we were dealing with herbicide resistance or something else.

"When weeds known to be susceptible to a certain class of herbicides are not controlled by that herbicide, our first thought is often that the weeds might have developed resistance to that class of herbicides. That's not always the case," Thompson said.

If the weeds have become resistant to a herbicide – and some populations of weeds have developed true resistance to HPPD-inhibitor herbicides - then producers have to start using other types of weed control practices on those populations, Thompson explained.

But if the lower level of control at times is just due to environmental conditions or application methods, then producers can adjust their application methods and continue to use the same herbicide, he said.

"Now we know for sure that the temperature at application time is an important factor in the effectiveness of this HPPD inhibitor herbicide on Palmer amaranth, and we can provide a good explanation for why sometimes Palmer amaranth is not controlled. This is a significant finding for everyone in the field trying to control this weed, which has become an ever greater problem in Kansas," he added.

Other K-State scientists from the Department of Agronomy involved in the project included research associates Amar Godar, Vijay Varanasi, and Sridevi Nakka; and professor Vara Prasad.

The PLOS ONE journal article, titled "Physiological and Molecular Mechanisms of Differential Sensitivity of Palmer Amaranth (Amaranthus palmeri) to Mesotrione at Varying Growth Temperatures." can be accessed online at: http://journals. plos. org/plosone/article?id=10.13 71/journal.pone. 0126731

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### Page 26 Grass & Grain, June 23, 2015 USDA begins accepting applications from states for \$100 million biofuels infrastructure partnership

Following an announcement by the U.S. Department of Agriculture (USDA) Secretary Tom Vilsack on Infrastructure Partnership May 29, 2015, the Commodity Credit Corporation (CCC) has announced that all 50 states, the Commonwealth of Puerto Rico and Wash-

ington, D.C. may now apply for up to \$100 million in grants under the Biofuels (BIP). The funding is to support the infrastructure needed to make more renewable fuel options available to American con-

# Kansas cattle on feed unchanged in June report

Kansas feedlots, with capacities of 1,000 or more head, contained 2.02 million cattle on feed on June 1. according to the USDA's National Agricultural Statistics Service. This inventory was unchanged from last year.

Placements during May totaled 345,000 head, down 21 percent from 2014.

Fed cattle marketings for the month of May totaled 375,000 head, down 6 percent from last year.

Other disappearance during May totaled 10,000 head, down 15,000 from last year.

### VALENTINE LIVESTOCK 19 AUCTION CO. Valentine, Neb. **THURSDAY, JUNE 25, 2015** SPECIAL BRED FEMALE AND RÉGULAR SALE S.T.: 9:30 AM on weigh-ups; 2:00 PM on bred females **Red Bred Females** 92 rd Angus & rwf (58 hd) & blk (34 hd) (3-4 yrs) red bred rd Angus (Hueftle & Grill) blk bred blk; 80 hd cf 8-20 for 45 days; balance cf 10-15 for 30 days. Year branded, home raised ....John & Lynn Mundorf (308-546-2784) 70 rd Angus (2-8 yrs) bred rd Angus; cf 9-10 for 65 days. Blazon, Headlin er & 5L genetics. Dispersion of Fall Calving cows... ..Cooksley Ranch (Ben Cooksley, 308-872-1007)

51 rd Angus (35 @ 3-4 yrs) bred rd Angus; cf 8-15 for 30 days. Home raised. Beckton, X-Diamond, Hall Ranch. Year branded... ...Paxton Ranch (John Warren 308-650-9000 Angus or Black Bred Females





sumers. The Farm Service Agency will administer BIP.

USDA continues to aggressively pursue investments in American-grown renewable energy to create new markets for U.S. farmers and ranchers, help Americans save money on their energy bills, support America's clean energy economy, cut carbon pollution and reduce dependence on foreign oil and costly fossil fuels. A typical gas pump delivers fuel with 10 percent ethanol, which limits the amount of renewable energy most con-

sumers can purchase at the pump. Through BIP, USDA will award competitive grants, matched by states, to expand the infrastructure for distribution of higher blends of renewable fuel. These competitive grants are available to assist states, the Commonwealth of Puerto Rico and Washington, D.C. with infrastructure funding. States that offer funding equal to or greater than that provided by the federal government will receive higher consideration for grant funds. States may work with

private entities to enhance their offer.

CCC funds must be used to pay a portion of the costs related to the installation of fuel pumps and related infrastructure dedicated to the distribution of higher ethanol blends, for example E15 and E85, at vehicle fueling locations. The matching contributions may be used for these items or for related costs such as additional infrastructure to support pumps, marketing, education, data collection, program evaluation and administrative costs.

This new investment seeks to double the number of fuel pumps capable of supplying higher blends of renewable fuel to consumers. This will expand markets for farmers, support rural economic growth and the jobs that come with it, and ultimately give consumers more choices at the pump. Applications must be submitted by July 15, 2015, using www.grants.gov. To locate, search by funding opportunity number "USDA-FSA-2015-22."

# Kansas Rural Center board appoints new executive director

The Kansas Rural Center (KRC) Board of Directors announces the appointment of Mary Fund to its executive director position. Fund has been serving as the Interim Executive Director since January 2015, and is a long-time KRC staff mem-

"We are pleased that Mary has accepted the position, and feel that her history with the organization, and her background in sustainable agriculture circles. make her uniquely suited for the job," stated Stu Shafer, KRC board presi-

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SALE EVERY WEDNESDAY IN EMPORIA. KANSAS AT 11:00 AM

620-342-2425 or 800-835-7803 toll-free • Fax: 620-342-7741

**NO SALE TO REPORT 6/17/15** 

**NO SALE** 

IULY 1ST

If you need us to come get a look at your grass cattle,

give us a call! We're not too far off the cattle starting

to move and we would be glad to come and see you!

THANK YOU FOR ALL OF YOUR CONTINUED SUPPORT!

YOUR BUSINESS ALWAYS APPRECIATED!

For Cattle Appraisals Call:

LYLE WILLIAMS, Field Representative, 785-229-5457

WIBW 580 - 6:45 A.M. Thurs:

KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.

emporialivestock.com

**CLAY CENTER** 

**LIVESTOCK SALES INC.** 

Cattle sales Tuesday, 11:00 AM,

GLENN UNRUH, 620-341-0607

LIVESTOCK SALE CO.3

dent. "We look forward to working with her and the other staff to build on KRC's accomplishments and rich history."

Most recently, Fund has been KRC's Policy and Program director and editor of KRC's newsletter. Rural Papers, and the Weekly Legislative Policy Updates.

"KRC has a long history of promoting an environmentally sound, economically viable food and farming system," stated Fund. "In recent years, we have expanded our vision to include greater local and regional food production, promotion of beginning farmer opportunities, and healthy and accessible food for all Kansas citizens. We are committed as an organization to increasing economic opportunities in farming and food-related businesses, and to promotion of a diversified, ecologically based agriculture as the means to feeding ourselves as well as feeding the world."

In her years at KRC, Fund has worked primarily on conservation, natural resource and agricultural policy issues, as well as serving as the coordinator of KRC's Clean Water Farm Project from 1996-2012. She has monitored state and federal farm and resource policy and worked on numerous advocacy projects such as

the 1980s farm crisis organizing project, anti-corporate farming campaign, and on various state water policy issues, serving on a number of water advisory boards. From 2003-2008, she served on the Sustainable Agriculture Coalition (now the National Sustainable Agriculture Coalition) Coordinating Council and as co-chair 2005-2008.

In 2005, she was awarded the John Vogelsberg Sustainable Agriculture Award by the Kansas Organic Producers, and is a current board member of the national Organic Farming Research Foundation.

Mary and her husband. Edward Reznicek, live in southern Nemaha County near Goff and own a 400acre certified organic farm.

# Ceva swine division names technical specialist

Ceva Animal Health announced Andrew J. Holtcamp, DVM, has joined Ceva's swine business unit as technical service manager. Holtcamp will play an integral role in the launch of Ceva's products into the swine industry.

"Dr. Holtcamp has an enthusiasm for the swine industry that is contagious. His experience as an industry leader and his extensive on-farm work will be a tremendous asset for our customers," says Gary Robertson, director, swine business unit.

Holtcamp, who was previously with Bayer Health-Care, has more than 20 years of experience in the swine industry. Prior to joining Bayer HealthCare, he worked for Iowa Select Farms and Prestage Farms. His primary responsibilities with Ceva will be providing technical expertise as it relates to product development and field application as well as customer support.

'We are building our swine team with the customer in mind," says Robertson. "Dr. Holtcamp has the knowledge and experience to provide innovative solutions and act as a true partner for our customers. Ultimately, that's what Ceva is seeking, people who put the customer first.

Holtcamp earned both his bachelor of science in biochemistry and doctor of veterinary medicine de-grees from Mississippi State University.

For more information about Ceva Swine or for career opportunities, visit www.ceva.us

# **UPCOMING SALE SCHEDULE**

- June 24th ... No Sale
- July 1st..... No Sale
- July 8th.....Sale

(Back to Regular Sale Schedule)

# **UPCOMING SALE SCHEDULE**

- June 23rd ..... No Sale
- June 30th ..... No Sale
- July 7th.....No Sale
- July 14th Back to Regu-

lar Sale Schedule

### Visit our new website at jccclivestock.com



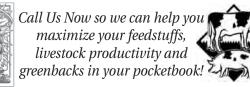


"The Key To Successful Feeding *How do you like your steak?* AN AN IN IN ANAL Well done, rare, medium? Everybody has a personal choice.



How about your livestock feed? Same deal, everybody's situation is different, and we do cater to what you need and want.

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



FOURTH & POMEROY ASSOCIATES, INC. Joseph Ebert, General Manage P.O. Box 516, Clay Center, KS 67432 785-632-2141 • WATS 1-800-432-7423

# Grass & Grain, June 23, 2015 Kansas expands definition of covered farm vehicles

will offer an expanded definition of covered farm vehicles, CFV, and specific exemptions for the farm vehicles.

The change is part of the federal government's Moving Ahead for Progress in the 21st Century Act, or MAP-21.

The exemption applies to both straight trucks and

Starting July 1, Kansas combination vehicles, and the distance involved depends on the size of the vehicle. For vehicles 26,001 pounds or less, the CFV designation applies anywhere in the United States. The weight in MAP-21 is the greater of the Gross Vehicle Weight (GVW) or Gross Vehicle Weight Rating (GVWR).

> A covered farm vehicle is one that is:

• Operated by a farmer or rancher, a family member of the farmer or rancher, or an employee of the farmer or rancher

• Used to transport agricultural commodities, livestock, machinery or supplies to or from a farm or ranch

• Not used for-hire except a tenant hauling the land-owner's products un-

der a crop-share arrangement, and

• Is equipped with a special license plate or other designation by the state in which the vehicle is registered to allow for identification of the vehicle as a covered farm vehicle by enforcement personnel.

For vehicles over 26,001 pounds, the distance limits are anywhere in the regis-

sumers are getting with the

usage of PH oils in many

food applications. The use

of sunflower oil will give

U.S. consumers an even

healthier food supply and

flower oil visit www. sun-

flowernsa.com/oil.

To learn more about sun-

lifestyle.

tration state or in interstate commerce within 150 airmiles (172.6 statute miles) of the farm or ranch.

The form that customers will need to fill out and keep in the cab of the vehicle can be found at http://www.ksrevenue.org/pd f/tr600.pdf or at kcc.ks.gov.

have a valid license plate and a valid International Fuel Tax Agreement registration or trip permit if fuel tax registration is required.

ΞI

A covered farm vehicle is subject to being stopped for inspection to verify that the designation is valid. The vehicles must still follow federal and state equipment safety requirements, traffic laws and size and weight regulations. Drivers must also still enter open Kansas inspection and weigh stations.

The exemptions are in addition to those already in existence per K.S.A. 66-1.129(c)(1)

DORADO

LIVESTOCK AUCTION, INC.

316-320-3212

Fax: 316-320-7159

2595 SE Highway 54, P.O. Box 622,

El Dorado, KS 67042

Reminder!!!

We will be closed for the

next 2 weeks!

Our sales will resume

Thursday July 9th.

Take this break to relax

and enjoy your families.

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

### Sunflower oil a healthy alternative to PH oils market. to replace the trans fat con-

On the heels of the Food and Drug Administration (FDA) determination that partially hydrogenated oils (PHOs), the primary dietary source of industrially produced trans fat, are not Generally Recognized As Safe (GRAS) for use in human food, there is an alternative already readily available: sunflower oil. Mid-Oleic and High Oleic sunflower oil has been a leading solution to replace PH oils in many food applications since 1999.

"High-stability sunflower oil is readily available to the commercial food sector." said John Sandbakken. Executive Director of the National Sunflower Association. "In 2014, NonGMO trans fat free sunflower oil production reached 425 million pounds and we see the demand for sunflower oil, especially high oleic sunflower oil, increasing in light of the FDA's ruling.'

Sunflowers are planted in the central portion of the United States from North Dakota to Texas. It is estimated that U.S. sunflower acres will expand by 30 percent in 2015 to meet growing demand. Sunflower oil production capacity is currently in place that can elevate production by an additional 300 million pounds giving the industry the ability to provide 725 million pounds of non-GMO trans fat free sunflower oil to the U.S

**Agribusiness industry** hosts Applicator Institute

The Kansas Agribusiness Retailers Association (KARA) is proud to announce their summer program, Kansas Applicator Institute (KAI). The fourth annual KAI will be on August 5-6 in Hutchinson at the Kansas State Fairground Encampment Building. This event is a tremendous opportunity with unlimited educational potential and packed with great speakers, exhibitors and hands-on equipment demonstrations. This program will bring producers and industry professionals together for a premier learning and networking event.

The KAI program will focus on how producers and retailers can work together in best utilizing precision technology in crop protection application and spraying. Topics will cover nozzles, reducing spray drift, herbicide mode of action and much more. CEU credits will be offered.

For registration, exhibitor or sponsorship information, please visit www. ksagretailers.org or call (785) 234-0463



"Sunflower oil is stable without partial hydrogenation," said Sandbakken. "It outshines other oils for commercial use by providing optimal healthy benefits, great taste, and superior performance, while remaining trans fat free. Sunflower oil can be used alone

### or added to a blend of oils Houser receives Honorary Kansas FFA Degree

Dr. Terry Houser was recognized with the Honorary Kansas FFA Degree at the 86th Kansas State FFA Convention on the Kansas State University campus on Thursday, May 28.

Dr. Houser is an associate professor in Animal Sciences and Industry at Kansas State University. with areas of specialization in irradiation, meat processing and meat selection and grading. He is also the coach of Kansas State University's meat judging team.

"In addition to his duties at Kansas State University, Dr. Houser serves as the coordinator of the state Meats Evaluation and Technology

market.

3 bk bwf

3 bk

4 bk

6 bk

4 bk

1 bk

1 bk

5 char

5 bk red

STEERS

28 bk char 868@214.75

537@280.00

510@277.00

586@271.00

691@234.00

700@230.50

728@227.50

823@215.50

PREG. COWS: \$1,400-\$2,425 PAIRS: \$1,600-\$3,200 **BUTCHER COWS** 

Eureka Livestock Sale

P.O. Box 267 Eureka, KS 67045

620-583-5008 Office 620-583-7475

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

On Thursday, June 18 we had 538 hd of cattle on a good

HEIFERS

1023@196.75

841@176.00

440@264.00

464@261.00

495@261.00

525@247.00

563@239.00

591@228.00

4 bk bwf

1 bk

4 bk

5 bk

3 bk

2 bk

4 bk

4 bk gray

3 red bk

5 bk bwf

BUTCHER BULLS

52 mix

58 hols

4 red bk

3 bk

3 char

6 wf

1375@122.00

1340@122.00

7 red bk

BUTCHER COWS: \$80-\$122, mostly \$105-\$115, very active BUTCHER BULLS: \$133-\$149.50, mostly \$140-\$147, very active

10 bk gray

Development Event," said Kansas FFA secretary Jeffrey Hadachek. "He utilizes his industry knowledge to consistently look for opportunities to keep the event relevant to both the industry and the

Honorary State FFA Degree always demonstrate what it means to really believe in leadership."

625@227.00

662@219.50

695@209.00

708@207.00

808@206.50

802@200.50

464@288.00

532@263.00

BULLS

1334@109.00

2190@149.50

"Each recipient believes in the leadership and experiences provided by FFA so much, they have continually donated their time and money to the efforts of our organization," Hadachek said. "Recipients of the

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

Chris Locke

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

Cattle Sale Every Thursday 11:00 AM

Holton	Livestoc	k Exch	ange	e, Inc. 🗋
1/2 mil	e East of Holto	on, <u>K</u> S on	16 Higl	hway
Livestock	Auction even	rv Tuesd	av at	12 NOON
Serving the I	Midwest Lives	stock Indu	istrv fa	or 62 Years!
****S	<i>Midwest Lives</i> TARTING TIM	E: 12:00	NOON	****
	r report for			
MATINE		789 CATTL		, 2015
STEE	-	3 blk hfrs		648@222.50
5 blk strs 4 rwf blk strs	286@315.00 452@277.00	3 blk bwf h 8 blk hfrs	nfrs	690@219.50 678@218.00
3 blk strs	545@276.00	17 blk red	hfrs	717@216.75
13 mix strs	516@272.00	19 mix hfr		683@213.00
6 blk strs	611@271.00	10 rwf blk		728@209.50 800@207.75
9 blk strs 17 bwf rwf strs	615@270.00 555@269.00	58 mix hfre 10 bwf rwf		810@189.00
5 blk strs	634@255.00	5 blk rwf h	-	1019@154.00
6 blk strs	668@248.00		W/CALF	
17 mix strs	669@245.00	2 blk pairs	7yr	1385@2,525.00
4 red strs 9 blk strs	700@243.00 711@241.00	5 blk pairs 1 blk pair	5-6yr 6yr	1207@2,500.00 1475@2,475.00
9 blk red strs	594@237.00	3 blk red pairs		1466@2,450.00
8 rwf bwf strs	715@233.00	1 blk pair	ŚŚ	1575@2,400.00
24 blk red strs 12 blk strs	699@231.00	1 herf pair	6yr	1445@2,325.00
7 hols strs	775@224.00 465@223.00	1 blk pair 1 blk pair	SS 7yr	1335@2,150.00 1400@2,075.00
3 blk strs	748@222.00	2 rwf pairs		1065@2,050.00
4 blk strs	635@220.00	3 blk pairs		1180@2,000.00
6 blk char strs	764@219.00		BRED C	
8 hols strs HEIFE	540@211.00	2 blk cows 2 bwf cows	3yr 2pr 5yr 2-3pr	1082@2,400.00 1345@2,085.00
3 rwf hfrs	353@290.00	7 bwf rwf cows		
2 blk hfrs	480@260.00	1 blk cow	6yr 3pr	1405@2,000.00
3 blk hfrs 12 blk hfrs	433@259.50 544@250.00	1 blk cow 2 herf cows	8yr 2pr 4-6yr 2pr	1235@1,950.00 1162@1,950.00
15 rwf bwf hfrs	525@245.00	3 bwf rwf cows		
5 blk hfrs	538@244.50	1 blk cow	8yr 3pr	1380@1,925.00
7 rwf blk hfrs	440@244.00	3 rwf blk cows		1410@1,900.00
5 blk hfrs 6 blk hfrs	536@243.00 534@241.00	1 blk cow 2 blk cows	SS 2pr 5-6yr 1pr	1455@1,825.00 1110@1,750.00
11 mix hfrs	562@234.00	2 red rwf cows		1160@1,750.00
8 blk red hfrs	608@224.50	1 blk cow	2yr 3pr	865@1,725.00
11 blk hfrs	661@224.00	1 blk cow	A 2pr	1210@1,725.00
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Career national event.'

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Page 27

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June 29th- I July 6th- No July 13th- R July 20th- N	egular Sale	<ul><li>July 27th- F</li><li>Mondays</li></ul>	-
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			auctions.com

1 bk 1 bk 4 bk bwf 2 bk 3 bk 3 bk	1360@116.50 1410@115.00 1218@113.50 1203@113.00 1430@112.00 1333@111.00	1 bk 1 brangus 1 bk 1 bk 1 char	2120@147.00 1585@146.00 1825@145.00 2075@144.00 1660@142.50				
NO SALE: JULY 2ND							
SPECIAL STOCKER/FEEDER CALF SALE JUNE 25 24th Anniversary Sale: • 300 blk/bwf steers and heifers, 500-800 lbs., vacc. twice, off the cow							
250 mostly blk steers and heifers, 400-650 lbs., vacc. 1 or 2 times     250 mixed steers and heifers, 700-950 lbs., longtime weaned &     200							
vacc. • 50 wf steers and heifers, 450-600 lbs. • 85 char-x steers and heifers, 500-700 lbs., weaned 45 days & vacc. 3 times • 85 blk/bwf/rbf steers and heifers, 500-750 lbs., weaned 70 days & vacc. twice							
<ul> <li>60 black steers, 500-600 lbs., weaned 30-45 days &amp; vacc. twice</li> <li>45 blk/bwf steers and heifers, 400-450 lbs., weaned 45 days &amp; vacc. twice</li> </ul>							
<ul> <li>75 mix heifers, 800-900 lbs.</li> <li>20 wf fall calving cows, 3-7 yrs old, bred to Angus or wf bull. From Jim Oler Estate from Yates Center, Kansas</li> </ul>							
15 blk/bwf/red first calf heifer pairs. From Doug Hendricks from     Howard. Kansas							
Expecting 1,500 hd by Sale Time							
We appreciate your business!							
1	Ron Ervin - O Home Phone Mobile Cell Austin Evens Mobile Cell	- 620-583-5 620-750-012 son- Field 620-750-022	385 23 Iman 22				
If you have any cattle to be looked at call Ron or Austin							

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Grass & Grain, June 23, 2015

Yard & Garden Tips By Gregg Eyestone

# Select Wildflowers

A couple of our sites on this year's garden tour included perennial wildflower areas. Wildflower is a loose term. The term implies that the plant naturally grows around here when given their necessary conditions. It is probably neither a hybrid nor a selected cultivar. I say, if there is a flower you like, grow it and don't worry about categorizing it. Plants for our area need to thrive despite weather extremes and soil types. Once established, they should require little if any supplemental irrigation. Desirable plants have no pests or at least tolerate them without health decline. Ideally, they provide habitat for wildlife and pollinators.

Most of our "wildflowers" need to be aggressive to make it here. That means they produce lots of seeds or spread quickly to secure space. A wildflower garden can become overgrown or weedy soon after establishment with your planted flowers. The weeds are aggressive when the wildflowers are young and need sup-

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pressed. There are a few plants

that I think make an easy care wildflower area. My favorite is calf slobbers. Gardeners call it spiderwort. It is a cool season plant meaning it disappears during the heat of the season. It comes in blue or purple flowers. Cut the stem and you will find the slimy substance that gives it the "slobbers" name.

Butterfly milkweed should make up any garden. The orange flowers are striking and draw in the Monarch butterflies. Mine has spread but not out of control.

My wife's favorite is the dwarf blue indigo or Baptisia. Blue flowers open up on a spike followed by seed heads that will rattle. White, yellow and shades in between are also available.

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gayfeather Kansas should be in every K-Stater's garden. The purple flowers open from the top down on a stiff leaved stem. There are numerous species of Liatris to use.

A true wildflower area requires a very large space to behave naturally. Some of these plants are refined for landscape uses. I encourage you to investigate wildflowers that will work for your situation.

You can find out more information on gardening by going to Riley County's K-State Research and Extension website at www. riley.ksu.edu/ And you may contact Gregg Evestone at the Riley County office of K-State Research and Extension by calling 537-6350 or stopping by 110 Courthouse Plaza in Manhattan or email: geyeston@ksu.edu

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## **Getty receives Honorary Kansas FFA Degree**

Dr. Kelly Getty was recognized with the Honorary Kansas FFA Degree at the 86th Kansas State FFA Convention on the Kansas State University campus on Thursday, May 28.

Dr. Getty is an associate professor in Animal Sciences and Industry at Kansas State University with areas of specialization in HACCP, meat microbiology, and meat safety and quality. In addition to advising the Food Science Club and Food Science Institute at K-State, she also serves as the state Food Science Career Development Event coordinator consistently working to implement positive changes in the event according to national trends.

"Under Dr. Getty's leadership, the Food Science CDE has become one of the fastest-growing career development events the Kansas FFA Association has to offer," said Kansas FFA secretary Jeffrey Hadacheck.

"Each recipient believes in the leadership and experiences provided by FFA so much, they have continually donated their time and money to the efforts of our organization," Hadachek said. "Recipients of the Honorary State FFA Degree always demonstrate what it means to really believe in leadership.'

# Local FFA members receive Orscheln Farm and Home scholarships

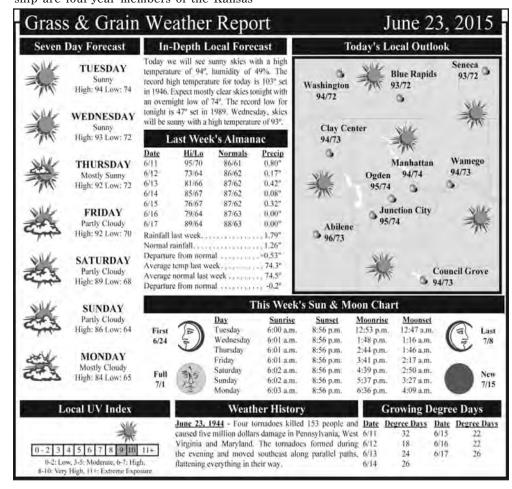
awarded eight scholarships to FFA members from across the state during the third session of the 87th Kansas FFA Convention on May 28.

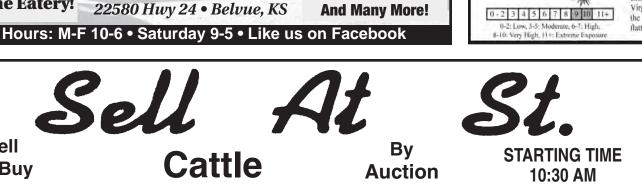
The Orscheln Farm & Home Stores scholarships are awarded to graduating high school seniors of Kansas who plan to attend a four-year program or a two-year program with the intention of transferring to a university or college majoring in agriculture in the state of Kansas.

Students who are awarded the scholarship are four-year members of the Kansas

Orscheln Farm & Home Stores of Kansas FFA Association and have a keen interest in the family farm and its importance to society. Scholarship recipients demonstrate outstanding leadership, community service, exhibit good character and moral traits, and have excelled scholastically during high school.

> This year's recipients are from: Chapman: Milea Anderson; Ell-Saline: Evan Morrical: Holton: Dean Klahr, Karl Wilhelm: Mission Valley: Nikole Cain, Jennifer Coats; Smith Center: Megan Haresnape; Washington County: Gabry-elle Gilliam.







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Website: www.rezaclivestock.com **AUCTIONEERS: DENNIS REZAC & REX ARB**