

Early calf weaning could be cost-control strategy

High fuel and feed costs are pressuring beef producers' bottom line, but there are options to help relieve the financial pressure, a Kansas State University researcher said.

"Early weaning is a cost-control strategy that beef producers might consider," said K.C. Olson, who is a cow/calf nutrition specialist with K-State Research and Extension.

Speaking at K-State's Beef Conference Aug. 7-8 in Manhattan, Olson said that producers may think of early weaning as a last resort. But, a better approach

might be to consider the strategy before the situation is dire.

"Economic damage is almost certain when decision-making is delayed," he said. "The decision to wean early, for example, is most often made when the cow is perilously thin and feed costs are out of control."

Early weaned calves are no more prone to health, nutritional, or environmental problems than calves in conventional weaning programs, Olson said. And, there are well-established benefits in terms of calf performance, forage con-

servation and reduced nutrient requirements for cows.

Weaning calves earlier than usual — at 30 to 150 days of age, rather than the more typical 240 days — takes them off of pastures, which both reduces the stocking rate and halts lactation in the cows. In turn, halting lactation earlier trims a cow's nutritional needs and, therefore, its forage needs earlier.

Because calves are functionally monogastric at birth, some producers may have concerns about whether a calf's rumen can

handle grain consumption early in life. But, studies have indicated that the rumen develops as it needs to, Olson said.

Beyond that, the things to think about when it comes to managing early-weaned calves are the same things a producer should plan for in traditional operations.

Vaccination, parasite control, stress management, disease monitoring and treatment, diet composition and intake management are all important with early-weaned calves — just as they are for later-weaned animals, the researcher said. Considerations for pen layout, sanitation and animal comfort are still necessary, too.

"All aspects of the nutritional management of early-weaned cattle should be geared toward encouraging dry matter intake," he said, noting that this also is one of the biggest challenges: "Overcoming the reluctance to eat is arguably the most important aspect of weaning management."

Early-weaned calves are even more selective about what they'll eat than traditionally-weaned calves are. This makes the composition of feed critical to a success-

ful transition, he said. Palatability factors — moisture content, particle size and ingredients — are all key to the process.

A clean and abundant water supply is also important.

"Early-weaned calves are small, compared to calves weaned at conventional age," warned Olson, who told conference attendees that he'd seen plenty of cattle-watering devices that were the proper height for 600-pound calves, but not for 400-pound calves.

Because calves are not accustomed to eating from bunks, he suggested that producers place an extra feed bunk and watering device in calf pens, perpendicular to the normal feed bunk. When calves circle the pen, they will encounter the feeding and watering devices.

"Once a few calves encounter and use bunks and waterers, those behaviors will transfer quickly from one individual to another within the pen," he said.

Many producers assume that early-weaned calves are lighter in weight and not as marketable, Olson said. Numerous studies have shown, however, that early-weaned calves fed concentrate diets in con-

finement have body weights equal to or greater than those of conventionally-weaned animals at the normal weaning time.

"But the real advantage of early weaning is linked to the performance of the cow," he said.

Data from several studies indicate that following earlier calf weaning, cows' pregnancy rates are higher, the number of days from calving to conception are fewer, and significantly more cows cycle within 85 days of calving. The same research also found body weight at normal weaning time is higher in cows whose calves were weaned early, rather than at the more conventional times.

Olson cited several studies in which cows lost either one body condition score or about 100 pounds of body weight over the course of 60 days. He estimated that producers could save up to \$140 per cow during winter 2008 if they prevent this cow body-weight loss by weaning calves 60 days earlier. Even selling a lighter calf immediately after weaning could bring a greater return (\$40 to \$80) to producer labor and management than waiting for a conventional weaning age.

O'Brien field day features "calm cattle, cow chips and clean water"

How do calm cattle, cow chips and clean water relate to each other? Best management practices relating to those three topics are highlighted on a field day hosted by O'Brien Cattle Company, Hepler. The field day begins at 4 p.m. on Thursday, September 18 at the O'Brien Cattle Company pens located at 724 Calvary Road, north of Hepler in Bourbon County in Southeast Kansas.

The tour highlights the O'Brien Cattle Company's working pens, which were designed and constructed according to low-stress handling guidelines, and the use of grass-based feeding sites, which help distribute manure unlike confined feedlots. Other features include the protective measures for riparian areas and alternative watering sites for the cattle.

"Good cattle managers can be recognized in several ways — such as low-stress handling that keeps livestock calm and healthy; grazing management that produces cow chips flat enough to toss when dried, and clean, fresh water for their animals and downstream neighbors," said Dale Kirkham, Clean Water Farms Project field organizer with the Kansas Rural Center. "All of these and more are used by the O'Brien family to make

their cattle program efficient and productive."

Featured speakers on the field day include: Kerry O'Brien and Jason Sutterby of the O'Brien Cattle Company; Gary Kilgore, K-State Professor Emeritus; Dale Kirkham, KRC Clean Water Farms Project field organizer, and Herschel George, K-State Research and Extension Watershed Specialist.

The tour of O'Brien's cattle operation is sponsored by Marmaton WRAPS; K-State Research and Extension; Bourbon County Conservation District, and the Kansas Rural Center (KRC).

Driving directions to the field day location are: three miles north of Hepler on Kansas Highway 3 then 3/4 mile west OR one mile south of the intersection of Kansas Highways 3 and 39 then 3/4 mile west.

For more information on the tour, contact Herschel George at (785) 229-3520 or Dale Kirkham at (620) 583-5247 or see the KRC website at www.kansasruralcenter.org

The field day will conclude at approximately 8 pm and includes a free evening meal, sponsored by Producers Coop of Girard and Marmaton WRAPS. To reserve a place on the field day as well as supper, please call Kara at (620) 756-1000.

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Bryce Roberts led out the top market steer entry shown at the 2008 Marion County Fair held last month in Hillsboro.



Supreme champion heifer at the Marion County Fair was shown by Ty Goossen. The entry was the champion Angus heifer. He was also the champion beef showman.



Reserve champion market steer at the Marion County Fair was shown by Sam Ehrlich, Marion. Also pictured is judge John Koons.

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HANDGUNS
S & W tip up 22, sn 22545, 3 3/8" barrel, VG; Forehand and Wadsworth 38 revolver, sn 272928, 3 1/4" barrel, G; Forehand M 1901 (by Hopkins and Allen Arms Co) 38 5 shot revolver, sn 2008, 3 1/4" barrel, Nickel plated, VG; JC Higgins M88 22 revolver, 9 shot, 4 1/2" barrel, Fair to Good; British issue Webley 38 revolver, (WWII), sn X9749, 5" barrel, "buffed", Fair; Dan Wesson m 357 Magnum revolver, 6" barrel, sn 233375, some light rust, VG; Lorcin mL380, 380 semi auto sn 070736, 3 1/4" barrel, nickel finish, VG, Bianchi holster; Ruger Police Service 6 38 Special revolver, sn 150-97235, 4" barrel, VG; Lorcin L9MM, 9MM auto, sn 021027, VG; Rohn (W. Germany) M66 22 revolver, 5" barrel, Liberty Mustang, VG; Argentina Rexio 22 9 shot revolver, sn C36060, 6" barrel, VG (or Rex 10?); Iver Johnson 22 supershot 9 shot revolver, sn 11244, 6" barrel, VG; Taurus 357 Magnum, sn 5239331, 4" barrel, Pachmeier grips; Revelation (Western Auto) s 160HS 22 9 shot revolver, sn 2113458, 2 3/8" barrel; Sport King High Standard 22 semiauto, sn 346792, 4 1/2" barrel, VG; Iver Johnson 32 5 shot revolver, 4" barrel, nickel plated, pat dates of 1887, 1888, 1896., Fair; German 22 LR Revolver, sn 353704, 4" barrel, fair to Good.

RIFLES
2-Glenfield M60 22 semiauto rifle, VG; Inland M1 Carbine, gov't issue, sn 3034204, Cross canons cartouche, inland barrel, date of 11-43, no bayonet attachment, with sling and oiler, flat bolt, VG; Sears m23 22 semi auto, sn 5832501, like new; Centurion m120 3006 bolt action rifle, (from German Mauser), Golden States Arm's modification, VG; Winchester m1906 22 short pump, ROUGH; Remington m12 takedown 22 pump, sn 136296, S, L or LR, G; Marlin 36G 30-30 Lever action, sn AA35932, 20" barrel, Savage m63K 22 bolt action, sn P178054, full length stock; Remington M511 22 bolt, clip missing; British Military "U S Property", m70, 3006 Bolt action, sn G1011787, Tasco 4x40 scope; Winchester 250 22 lever action, sn 513168; Marlin m99M1, 22 LR, semi auto, Squirrel emblem, like new; Unknown 22 pump, Octagon barrel, curved steel butt plate, parts gun; "Foreign" m1919 22 bolt LR or 5.4MM, sn 911, "Original Geco Carabiner"; Japanese Bolt action infantry rifle, "Sporterized" with good Chrysanthemum; US Springfield 1873 45-70, sn 253424; Mossbert 30/30 m472SCA, Lever action, sn 906873, Weaver V-9-2 scope.

SHOTGUNS
Winchester m1897, 12 ga. Pump, sn 265951, 30" barrel, F to G; Browning Semi auto Lite 12, Belgium made, sn 90320, Vent rib, 28" barrel; Winchester m12 12 ga. Pump, 2 3/4" 28" barrel, modified VG; Daiwa 12 ga. Semi auto, sn PO1910, vent rib, 28" barrel, hardly shot, VG; Winchester m 12 20 ga. Pump, 2 3/4", 28", sn 1,716,567, VG; Noble m60G 12 ga. Pump, 28" barrel, some fine rust; Remington m1100 semi auto 12 ga Magnum, 3", 30", vent rib, sn MO89175M, VG; Remington 878 12 ga. Auto Master, sn 53930L, Vent rib, 2 3/4", 28"; Eastfield by S&W m 916 12ga. Pump, sn B07578, 3", 30", vent rib, VG; Spanish 16 ga. Single shot, F; Winchester m1200 20 gauge, sn L873243, 2 3/4", 30", screw in choke; New England Firearms m SB1 20 ga. 3" single shot, sn NK425421, Like new; Revelation 410 pump, sn G700228, 26" barrel, VG; FIE mSB, 410 single shot, sn C1454921, G; Westernfield 20 ga pump, sn M550CR, Vent rib, Poly choke, 26" barrel, VG; Central Arms 12 Ga. Double barrel, Rough; Alexander Gun Go 12 ga. Single shot, rough; Wyco 12 ga. Double barrel; Weatherby 82-11202 12ga auto; AGMP Arms Co early 1900's Belgium laminated steel barrel 12 ga.

AMMO & HUNTING ITEMS
Floyderman's gunbook; 10 duck calls; 2-50 caliber shells; 2 bricks 22 shorts; 200 rounds 22 LR; 60 boxes 12 ga.; 10 boxes 20 ga.; 380, 25 auto, 38 special and 38 special reloads, 9 MM and 3006 ammo; Camping lanterns and heaters; Coolers.

BOATS
1977 Renegade 1700 17' boat, Yamaha 70 OB motor, Shoreline single axle trailer; 14' Flat bottom boat with SA trailer; Johnson 9.9 HP motor.

VEHICLE
1977 Chevrolet C10 4x4 Suburban, 79,057 miles, AT, 4 door, good and clean.

FISHING ITEMS
About 80 Rods and Reels include the following reels: 2 Sport Fisher Ultra 450X; 3 Aba Garcia Ambassadors (Sweden); Pflueger 1520; Game fish RM130 fly reel and rod; Shimano 200 ; Zebco XLR40; Pflueger Rocket; Vos 100; Pflueger Silver medalist; Ambassador 5000D; Daiwa GS10; Ryobi 3RM; 2 Daiwa 3RM; Garcia Mitchell 331; Olympic GVO5; Daiwa 2500C; Penn Long Beach Deluxe; 5 Penn 309; 2 Ambassador 6000; Bantam Mag 10X; Shimano2000; Shimano AX100; 20 tackle boxes; Hooks, sinkers, flyrods, oars, dip nets, gun oil, tackle and lures; Sinker molds and hot plate.

MOWERS
Husqvarna YTH1242XO hydro lawn tractor, 13 hp, 42" deck, 57 hours; Murray 14.5 hp 42" Hydrastat lawn tractor.

SHOP & OUTDOOR EQUIPMENT
Husqvarna 36" chain saw; Craftsman 12" chain saw; Lincoln 225 amp 220V Welder; Craftsman torch set, bottles; Small Homelite generator; Large shop air compressor; SMC 1 hp air compressor; Rockwell belt sander; Craftsman 28" lathe; Craftsman radial arm saw; Sears 4" planer; Craftsman 12" electronic band saw, tilt bed; Craftsman metal band saw; Craftsman 6" belt/disc sander; Craftsman 10" table saw; Atlas drill press; 10 amp battery charger; Routers; Work lights; Bottle jacks; Clamps of all kinds; Lots of sets and partial sets sockets and wrenches; 40+ hammers; 1/2" drills; Angle grinders; Air bubbles; Benches; Hi Lift jack; Weadeaters; Extension and step ladders; LOTS AND LOTS OF HAND AND GARDEN TOOLS, if there is 1, there are 3 or 4 of them.

COMMERCIAL MEAT EQUIPMENT
Hobart Meat grinder; Hobart meat band saw; 10" meat slicing saw; Toledo meat saw; Hobart minute steak maker; Meat scale; Gas grill with burner; MUCH MORE.

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See last week's Grass & Grain for full listing.

NOTE: This is a very partial list! Charlie & Julia attended hundreds of Auctions, many items to be discovered.

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Texas meat scientist explains health advantage of high-quality beef

Marbling has become one of the least understood concepts in the beef-consuming world. No wonder, with all the competing and contradictory messages from "experts."

If your blood test shows low-density lipoprotein (LDL) cholesterol levels have jumped, most doctors and nutritionists say cut back on red meat — especially highly marbled beef.

People use a simplistic filter for diet and health news: fat and cholesterol are bad. But facts are beginning to dispel the clouds.

"Intramuscular fat (IMF), or marbling, largely determines beef carcass value; USDA established that decades ago," says Texas A&M meat biologist

Stephen Smith. "Beef with more marbling tastes better to most people. The lower melting point of marbling fat strongly increases palatability and distinguishes the flavor of U.S. beef."

But many health-conscious consumers have denied the call of their taste buds, fearing the guilty pleasure will catch up to them one day.

Relax, Smith would tell them: "No human studies have ever shown that supplementing the diet with beef increases LDL cholesterol. However, studies have shown that oleic acid supplements can decrease LDL."

When doctors warn you away from beef that is not lean, they are probably

thinking about external fat, which is typically trimmed off to a constant level for all grades of beef. "There's a health benefit to eating well-marbled beef, compared to the lower grading kind," Smith says. More marbling means more oleic acid, which means less of the potentially harmful saturated and trans-fatty acids that have given beef a black eye.

Smith's research questions popular nutritional advice. Dietitians choose USDA Select over higher marbling beef to cut back on fat. However, Smith showed Select ground beef had the worst ratio of healthy monounsaturated to saturated fatty acids, at 0.75. Thanks to marbling, Prime beef had a ratio of 1.33.

Oleic acid is a simple (monounsaturated) fat prevalent in olive oil. "It's good for you," Smith says. Oleic acid comes from both endogenous synthesis and dietary fats, and the level can be manipulated. The scientific literature suggests that "you can't eat too much oleic acid," he says, adding that corn feeding increases it in beef.

"There is no scientific evidence that the trans-fat in beef is bad for you," Smith cautions. "But certainly, perception is reality to consumers, who see all trans-fat as bad."

While promoters of grass-fed beef often mention that it has "more" conjugated linoleic acid (CLA) and

omega-3 fatty acid than other beef, there are other ways to look at it.

Trans-vaccenic acid (TVA) is the precursor to CLA, and it comes from the rumen breakdown of forages as well as from the oil in grains. Feeding flax seed can also boost TVA. However, research shows that just 20% of TVA goes to CLA in the human diet. "The other 80% is still floating around, and it may be acting as saturated fat," Smith says. "We don't yet know what TVA does to cholesterol levels. We do know that the more marbling in beef, the less TVA."

Whether the topic is CLA or omega-3, Smith says science has not yet identified cattle or management strategies that can accumulate enough to make a significant difference. "Beef is simply not a reasonable source of these," he says. "It just doesn't work."

The latest research from Smith's team showed that, independent of breed type or feeding method, the brisket excels in its lipid profile, with more oleic acid than other cuts. The plate and flank, sometimes considered among the leanest cuts, contained the most saturated fat in the study.

The marbling levels achieved in Angus cattle used in Smith's research were equivalent to those in the Certified Angus Beef® (CAB®) brand and CAB Prime. He notes that un-

trained consumer panels have been able to distinguish beef by breed type when the ratio of saturated fat is lower, as it is in highly marbled beef.

"We have found that the marbling in premium quality Angus beef has improved functionality, lower melting point and better mouth feel

than commodity beef fat," Smith says. "It also has more oleic acid and less trans-fat than beef from any of the crossbred animals studied. It appears that CAB brisket would be especially high in oleic acid, perhaps as high as Wagyu beef. This is something we'd certainly like to investigate."



Supreme champion junior doe at the Marion County Fair was shown by Ethan Dailey of Goessel.



Supreme champion doe in show at the Marion County Fair was owned by Grady Stultz. Also pictured is judge Shelene Costello of Daykin, Neb.

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TW30 Ford, 3 pt, 3 hybrid outlets, 1000PTO, 20.8x38 factory duals, sinra transmission w/ 600 Koyker Loader, 7' bucket, like new; L-2 Gleaner w/22' header, cab & air, straw chopper pickup reel, Hydrostat 3498 separator hours, Ser. # L-G22621H; 750 Massey-Ferguson 20' header, cab & air, pickup reel, windrow pickup Ser. # 1696-03009; Hesston 6650 Swather w/6665 platform, Hydrostat twin sickle, Perkins 4 cylinder diesel engine, cab & air, less than 10 hours on rebuilt injector pump, rebuilt injectors, new lift pump; Quinstar Followmaster 21'; Miller 18' single fold offset disk w/harrows; Massey-Ferguson 22' tandem disk; Great Plains 13' double disk drill 10" spacing w/fertilizer attach, Ser. # 02170R; 2- 150 IHC Hoe Drills 12" spacing w/fertilizer w/drawbar; 15' Tri-Flex undercutter w/fertilizer tank; New Holland round baler (BR 780) Ser. # 53185; 2000 Titan gooseneck livestock trailer, 6'8"x24ft.; 1994 Ford pickup w/bale hydro bed (needs engine) 250 diesel; 8' Bushhog speed mover.

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	Hillsboro, hol 1680@56.00	Council Gr., 10 mix 1062@100.00	
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Marion, blk 1000@87.75	Hope, 7 mix 479@119.50		
Herington, blk 1020@70.00	Hope, 20 blk 495@119.50		
Peabody, hol 1105@65.00	Hope, 9 mix 592@110.25		
Marion, yell 1125@62.00	Lincolnville, 11 mix 566@109.25		
Herington, red 1330@61.00	Council Gr., 5 blk 559@106.50		
Herington, red 1425@61.00	Council Gr., 6 blk 603@105.25		
Gypsum, blk 1545@60.50	Council Gr., 35 mix 863@105.00		
Herington, red 1430@60.00	Tampa, 7 blk 722@104.25		
Carlton, hol 2005@60.00	Council Gr., 8 mix 683@104.00		
Herington, red 1250@59.50	Herington, 5 blk 728@103.00		
Gypsum, red 1415@59.00	Hillsboro, 62 mix 785@103.00		
Council Grove, blk 1425@59.00	Council Gr., 22 mix 974@95.00		
Council Grove, blk 1420@58.75	STEERS		
Council Grove, bmf 1425@58.75	Herington, blk 493@122.50		
Council Grove, blk 1365@58.50	Galva, 9 mix 617@121.50		
Peabody, wf 1260@58.25	Lincolnville, 10 blk 597@118.25		
Herington, red 1370@58.25	Marion, 56 mix 718@116.60		
Herington, red 1375@58.00	Hope, 61 mix 827@115.75		
Burdick, bwf 1420@58.00	Tampa, 7 mix 836@115.25		
Council Grove, blk 1355@57.75	Council Gr., 10 blk 691@114.50		
Herington, bwf 1670@57.75	Peabody, 46 mix 845@114.00		
Council Grove, blk 1420@57.50	Council Gr., 9 blk 726@113.75		
Herington, bwf 1395@57.25	Peabody, 55 mix 810@113.75		
Council Grove, bwf 1405@57.25	Peabody, 6 mix 668@112.00		
Council Grove, blk 1320@57.00	Lincolnville, 10 mix 749@111.75		
Herington, bwf 1525@57.00	Council Gr., 10 blk 635@110.25		
Council Grove, blk 1145@56.75	Burdick, 60 mix 866@110.25		
Marion, blk 1160@56.75	Peabody, 5 mix 761@110.00		

SPECIAL EARLY CONSIGNMENTS FOR WEDNESDAY, AUGUST 27

200 mixed steers, 850 lbs.
79 mostly black heifers, home raised, 750 lbs.
54 home raised mostly black steers, 550-650 lbs.
25 mixed heifers, 850 lbs.
70 mixed heifers, 750-775 lbs.
65 mixed steers mostly black, 750-825 lbs.
17 mixed steers & heifers, 600-700 lbs.
45 mixed steers & heifers, mostly black, 700-800 lbs.
125 mixed steers, 825 lbs.
60 mixed steers mostly black, 850 lbs.
56 mixed steers, 900-950 lbs.
35 mixed steers & heifers, 700 lbs.
29 black steers, 750 lbs.

Many more consignments by sale time.

Only one hog sale per month beginning on September 3rd. It will be the 1st Wednesday of each month at 10:30 AM

NEED PART TIME HELPER • MUST HAVE SOME KNOWLEDGE OF LIVESTOCK
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TRACTORS

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NH TS110, FWD, Cab
NH TN65, 4WD, Open
NH TC21D
Ford 7700/Ldr.
Ford 7710, Cab, 2WD
Ford 901/Ldr.
Ford 5000, Diesel
Ford 4000
Ford 3000
Ford Jubilee
Ford 8N
Case IH MXU130, MFD
Case MXU115
Case JX95, FWD, Ldr.
Case 1030
Case 1370
Case 1690
Allis Chalmers 200
JD 4320/Ldr
JD 2640
JD 4630
MF 1135
IH H
IH 350U, Ldr.
Cat MT745

COMBINES & WAGONS

NH TR98, FWD
NH TR89, FWD
Case 2388, FWD, 2004
Case 2388, FWD, 1998
Case 1660
Bradford 528 Cart

PLANTERS & TILLAGE

2 - IH 5100 Drills w/Hitch
Case IH 530B Ecolo Tiger
Kewanee 1020
Kinze 3650 16/31
Kinze 2600 12/23
Kinze 2500 8/15
JD 7000 6 Row
JD 331 Disc
Krause 41' field cultivator

HAY TOOLS

NH BR780 R. Baler
NH 456 9' Sickle
JD 285 10' Discmower
JD 704 14Wh
Vermeer WR20 Rake
Vermeer WR22 Rake
Vermeer WR220 Rebel
Gehl 1710 Baler
Hesston 3982 12Wh

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Bob Kickhafer - 785-258-2880
Dave Bures - 402-766-3743
Eugene Just - 620-382-3583 home • 620-382-6152 Cell
Gene Schafer - 620-732-3670 • 620-381-1292 Cell



Reserve champion supreme heifer at the Marion County Fair was an entry shown by Cade Harms of Lincolnville. The heifer was also the champion Charolais.



Grand champion market hog at the 2008 Marion County Fair was shown by Ethan Frantz of the Tampa Triple Ts. Also pictured is judge Greg Thompson of Hutchinson.



Reserve champion market hog at the Marion County Fair in Hillsboro was shown by Aaron Klassen.



Ethan Frantz outlasted the competition to earn bragging rights and the trophy buckle in the 2008 Round Robin Showmanship contest at the Marion County Fair. The buckle was sponsored by Chisholm Trail Store in Newton and Brad and Becky Vannocker, pictured left. He also received a \$100 savings bond sponsored by KanEquip, Inc. Reserve champion honors went to Lauren Geis. Her custom chair was sponsored by Serena Pankratz, pictured far right.

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2005	2388	656	\$164,500	C	2005	2388	1142	\$139,000	C
2005	2388	439	\$168,500	M	2002	2388	1138	\$122,500	C
2005	2388	1119	\$139,000	W	2000	2388	2108	\$101,500	W
2005	2388	413	\$177,950	W	2000	2388	2479	\$79,500	W
2005	2388	510	\$173,500	W	1997	2188	2922	\$56,250	M
2005	2388	592	\$168,500	W	1996	2188	2440	\$77,250	W
2005	2388	1182	\$144,500	M					

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AGRICULTURE

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at the ranch, Wellsville, KS

September 8, 2008 • Equipment - 9 a.m.
Cattle - 10 a.m.

- | | |
|---------------------------|--------------------------------------|
| 4 - Feed Trucks | Hay Grinder |
| 1 - Pickup | 6 - Hay Wagons |
| 2 - Dually Trucks | 8 - Creep Feeders |
| 1 - 3 Horse Slant Trailer | Hay Rings |
| 2 - Cattle Trailers | 2 - John Deere Gators |
| John Deere Brush Hog | 3 - Suzuki Quad Runners |
| Rhino Brush Hog | 2 - Lawn mowers |
| John Deere Round Baler | Case Skid Loader |
| John Deere Rake | 3 - John Deere Tractors, 2 w/loaders |
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(2) 98 Freightliner semis; 1997 Peterbilt Ultracab semi ; 1957 D6 9U Caterpillar dozer; International loader/backhoe; (2) Hobbs 45' Semi Trailer; (6) Great Dane 45' semi trailers; 1993 Towmaster 12' tandem axle material trailer; 1997 CZ 20' tandem axle trailer; Verneer Triple Axle 20' Trailer/Mitsubishi 25 gas 5,000 lb fork-lift; 1994 Chevrolet Astro cargo van; John Deere 9' 3 pt blade; SUN 1762 Computerized Wheel Balancer; Outback "Billy Goat" 24" self propelled brush cutter; construction storage containers.

Items added daily. Check website. Taking consignments.

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NOW: \$26,995 OR 0% FINANCING*

*Rebates to dealer. Financing with approved credit. Not all customers may qualify for all rebates. Rebates may vary by make and model. See dealer for details. Offer ends 8-19-2008

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- 2006 Chevrolet Z-71 35K
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- 2005 Chevrolet Crew LT 41K
- 2005 Dodge Ram Reg. 17K
- 2005 Chevy 2500HD Diesel
- 2004 GMC 3500HD Diesel

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4x4, PW, PL, 5.3 V8, Z-71



MSRP: \$35,630
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SAVE OVER \$7000! OR 0%*

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NOW: \$32,995*

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- 2004 Chevy 2500HD Reg. 63K
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- 1 - 7'x20' Metal Top Gooseneck Trailer
- 1 - 6'8"x24' Canvas Top Gooseneck Trailer
- 1 - 25' Contractor Flatbed Trailer with 5' Self Clean Dovetail
- 1 - 750 lb. Trip Hopper Feeder

Receipts for the week totaled 4,668 cattle and 189 hogs. Butcher hog top on Monday was \$60.50. Compared with last week: Steers, 300-550 no test; 550-750 steady to \$1 lower; 750-1,050 steady to \$2 lower. Heifers, 300-500 no test; 500-750 mostly steady; 750-1,000 steady to \$1 lower.

Livestock Commission Co., Inc.

SALINA, KANSAS

SALE BARN PHONE: 785-825-0211

MONDAY — HOGS & CATTLE

Hogs sell at 9:30 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

119 mix, Gypsum 130 mix, McPherson 21 blk, Beverly 35 mix, Sedgwick 50 blk, Abilene 13 mix, Bennington 7 mix, Durham 81 blk, Sterling 4 blk, Solomon 58 mix, Halstead	770 @ 109.60 719 @ 109.50 618 @ 109.25 737 @ 109.00 750 @ 108.50 811 @ 108.50 809 @ 107.50 800 @ 107.25 839 @ 107.00 907 @ 104.35	1 char, Wells 1 bwf, Ellsworth 1 bwf, Delphos 1 blk, Claflin BULLS 1 blk, Hutchinson 1 blk, Geneseo 1 blk, Junction City 1 blk, Longford 1 red, Wilson 1 char, Alta Vista 1 blk, Longford HOGS 19 mix, Miltonvale 19 mix, Tescott 30 mix, Tescott 17 wht, Glen Elder 14 mix, Abilene 1 wht, Waldo SOWS 1 wht, Sylvania 1 wht, Concordia 5 mix, Hutchinson 8 mix, Hutchinson 1 wht, Waldo 1 blk, Moundridge 1 hamp, Waldo PIGS 6 bkmx, Sylvania 1 wht, Lindsborg 7 bkmx, Sylvania 9 bkmx, Sylvania 3 bkmx, Sylvania 4 wht, Lindsborg
COWS 14 blk, Pine Bluff, WY, fall bred, 3-5 yrs. 50 blk, Pine Bluff, WY, fall bred, 3-5 yrs. 59 blk, Pine Bluff, WY, fall bred, 3-5 yrs. 10 blk, Bennington, fall bred, 3-5 yrs	@ 1320.00 @ 1310.00 @ 1300.00 @ 1290.00 HOLSTEINS 17 hol, Durham 4 hol, Durham 10 hol, Conway Springs CALVES 2 bwf, Hutchinson 6 bwf, Ellsworth 6 mix, Ellsworth 1 bkmx, Hutchinson 1 blk, Durham 1 blk, Ellsworth 2 mix, New Cambria	1300 @ 58.50 1355 @ 58.50 1185 @ 58.00 1435 @ 58.00 1970 @ 82.00 2115 @ 82.00 2060 @ 81.50 2110 @ 81.00 2025 @ 80.50 1775 @ 79.00 2030 @ 78.75 260 @ 60.50 244 @ 60.10 251 @ 60.00 270 @ 59.50 278 @ 59.50 245 @ 59.00 505 @ 53.00 505 @ 50.00 627 @ 50.00 573 @ 50.00 540 @ 49.00 555 @ 48.25 455 @ 47.25 106 @ 37.00 125 @ 36.00 36 @ 23.00 42 @ 22.00 63 @ 20.00 78 @ 16.00

Early Consignments for Thursday, August 28th

95 steers & heifers, 700-725 lbs.; 75 black steers & heifers, 650-800 lbs.; 110 steers, 850-900 lbs.; 75 Charolais cross steers & heifers, 550-650 lbs.; 48 steers & heifers, 650-700 lbs.; 25 steers, 900 lbs.

Many more consignments by sale time.

For Information or estimates, contact:

Mike Samples, Sale Mgr., Cell Phone 785-826-7884
Kyle Elwood, Asst. Sale Mgr., Home Phone 785-825-1598, Cell Phone 785-493-2901

Jim Crowther 785-254-7385 Roxbury, KS	Don Long 785-472-3927 Ellsworth, KS	Ron Bearnes 785-283-4757 Tescott, KS	Kenny Briscoe 785-524-4048 Lincoln, KS
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1150 KSAL, Salina 6:45 AM - MON-FRI
880 KRNV 8:40 AM - WED-THURS.
550AM KFRM - 8:00 am, Wed.-Thurs.

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

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Proposals should be submitted to: kislingfarms@stcelcom.net or Rt. 1, Box 65 Burlington, OK 73722 by September 15, 2008

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PUREBRED AUSTRALIAN Shepherd puppies for sale. Call Brad. 785- 366-0962.

GRASS & GRAIN 785-539-7558

PETS

ASCA AUSTRALIAN Shepherd pups, 4 males left, Blue merle and black tris/ \$175; Jackrat puppies for sale, 2 females/ \$75, 2 males/ \$50. 785-363-2197 or 785-747-6763, leave message.

REGISTERED BORDER Collie puppies 8 weeks old, black and white, and merles, 4 females, 3 males, shots, \$150. 785-736-2766.

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CORN SILAGE harvesting, have JD 5830 with 6 row Kemper and 2 twin screw trucks. Within 40 miles of Blaine, Kansas preferred. Evenings, 785-457-3651. 785-457-3440.

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1998 854 Rogator 80' booms SS tank. 785-479-3753. 785-263-3037.

Great Plains TA500 Sprayer, tandem axle, 500 gal, 45 ft manual booms, Hyd pump, foam marker, Raven 440 spray controller, \$5900. 785-658-2461.

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Someone to cut 400 acres of soybeans. Beattie, KS area.
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 - Satisfaction Guaranteed. No surprises.
 - Damaged wheat, corn, soybeans, milo or feed products in any condition. Poor quality, mold, odor, low test weight, etc.
- Call MGM Marketing at Ph# 800-214-7788

WANT TO buy used sickle mower prefer pull type. 785-238-5067, leave message.

WANTED
JD Combines - 7720, 9500, 9600, 9610, 9650, any hours
Tractors, Small Square Balers. Silage Cutters, Dairy Equipment, Milk Coolers
Any type of Farming Equipment
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WANTED
4420 - 6620 - 7720 - 9500 JD combines and heads, skid loaders, any condition or any other equipment.
402-920-3289
402-923-0163

WANTED TO buy hedge firewood. 785-539-6360.

656, 706, 806, International diesel tractor, good condition. 620-794-7669. 620-794-5437.

Looking for a Gleaner LM header, rigid or flex in good condition 20 or 22'. Call 785-739-5367

MISCELLANEOUS

FOR SALE: Windmill tower, used steel culverts, steel pipe. 785-539-1980, leave message.

DIXON LAWN mower model 4515K hydro with new 17 HP Kohler motor, 42" cut, ready to mow. 785-562-8592. 785-562-3896.

WANTED: GUITARS, Basses, amplifiers, effects etc. working or not. 1980's and older. Cash paid, anything considered. Call 785-293-5258 evenings ; email kevinm@twinvalley.net

300 GALLON steel fuel tank, stand, hose, nozzle, \$250 OBO. Manhattan. 785-539-4448.

MISCELLANEOUS

HAIL DAMAGED evergreen colored tin 45 sheets, 20' 10" long, some shorter lengths 40 square total. 785-632-0061.

To save, make restaurant-style meal at home

Preparing a meal to eat at home rather than at a restaurant can typically trim food costs, a Kansas State University nutrition specialist said.

Cooking together as a family also offers opportunities to nurture relationships with each other and to help children and teens learn about food, nutrition, health, and basic food and food safety skills in the kitchen, said Sandy Procter, Kansas State University Research and Extension nutritionist.

Eating at home doesn't need to mean eliminating restaurant-style food favorites, either, said Procter, who recommends Extension resources for learning more about planning and preparing meals quickly and easily.

Free information is available at county and district K-State Research and Extension offices and on the Extension websites at www.oznet.ksu.edu/humannutrition and www.oznet.ksu.edu/food-safety.

Such K-State programs and information demonstrate the U.S. land-grant university system, which was designed to extend the resources and expertise of universities to the people.



Bill Burton and Roger Potter (pictured) topped the grandstand heifer division at the 2008 BeefFest held recently in Emporia. The pair won a plaque and a check for \$700. The Grandstand judges for this year's contest included Chad Breiner and Keith Bryant.



Spring Creek Ranch owned by Debbie and Joe Reinert of Cassoday won a check and bragging rights for owning the champion pen of steers in the grandstand division of the BeefFest contest.



In the grass futurity contest, heifer division, the top placing set of calves in the 2008 BeefFest went to Woodbury/Lusk Cattle Co., Pictured from the left are John Woodbury, Ann Lusk, Howard Woodbury and Ryan Arndt, BeefFest vice-president.



Big winners at the 2008 BeefFest were the Anderson Ranch — Julia, Mark and Matt Anderson. They owned the overall grand champion entry and were first place in the grass futurity steer division and third place in the heifer grandstand show.



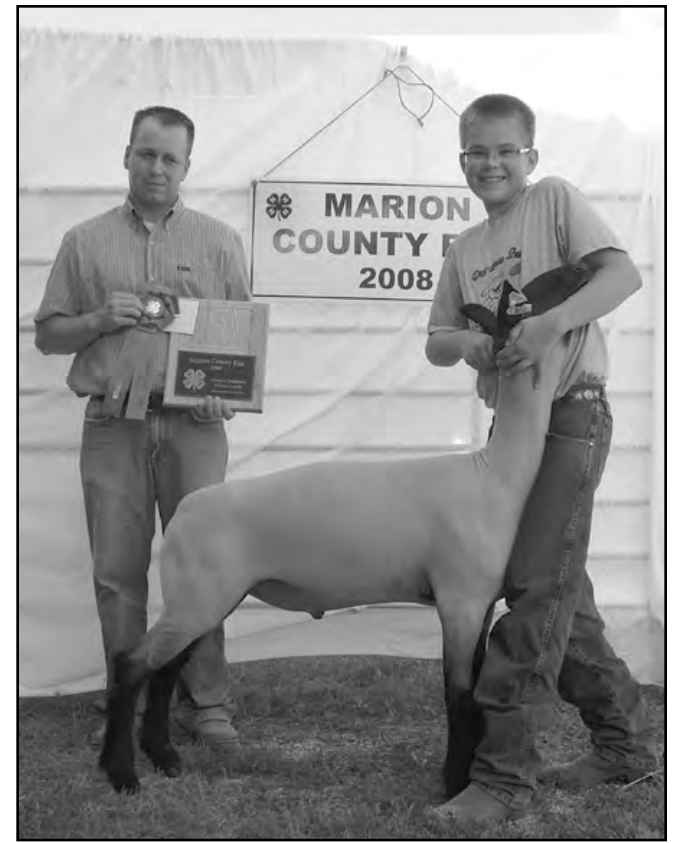
Grand champion heifer entry at the 2008 BeefFest went to Linsey Farm, Ronald, R.D. and Landon Linsey of Lebo. They received a buckle, \$500 check and plaque from Ryan Arndt. They also owned the second place grass futurity heifer pen, the fifth place grass futurity heifer pen and the fifth place grandstand steers.



Champion market meat goat at the 2008 Marion County Fair was an entry shown by Karl Riffel, Tampa.



Reserve champion meat goat at the Marion County Fair was shown by Kent Duerkson Goessel.



Champion market lamb at the Marion County Fair was an entry shown by Bryce Roberts. Judge for the show was Bill Disberger of Hutchinson.

PRE-OWNED EQUIPMENT SALE!!

Combines

CIH AFX8010, Approx. 900 Sep. Hrs.\$185,000(W)
 (2)CIH 2388, Approx. 550 Sep.Hrs...\$182,500(W)
 NH CR940, Approx. 600 Sep. Hrs.....\$149,500(M)
 GL R65, Approx. 800 Sep. Hrs.....\$125,000(M)
 GL R72, Approx. 2100 Sep. Hrs.....\$78,500(M)
 CIH 2166, Approx. 1530 Sep. Hrs.....\$74,900(W)
 NH TR97, Approx. 2100 Sep.\$39,500(W)
 NH TR97, Approx. 2825 Sep. Hrs.....\$36,500(C)
 IH 1420, Very Good Cond.....\$9,950(T)
 GL L2, Corn/Soybean, Chopper.....\$7,500(W)
 CIH 1660.....Coming Soon(W)
 CIH 2166.....Coming Soon(W)

Corn/Row Crop Heads

JD 1293, 12 Row, Hyd. Deck Plates.....\$45,000(W)
 GL 630, Hugger.....\$14,900(M)
 GL 2,995630, Fit L/M SeriesCombine...\$5,950(M)
 IH 963, 6 Row.....\$5,950(W)
 JD 653, Row CropHead.....\$1,950(T)
 JD 653A, Good Condition.....\$1,250(M)
 NH 974,Coming Soon (T)
 JD 653, Row Crop Head.....Coming Soon(C)
 JD 853A, Row Crop Head.....Coming Soon(W)

Grain Heads

CIH 1020, 30', Flex Head, Very Nice....\$24,500(W)
 NH 74C, 30', Flex Head, Exc. Cond....\$24,500(W)
 NH 74C, 30', Flex Head.....\$19,000(W)
 CIH 1020, 20', Flex Head, Good Cond...\$8,950(W)
 GL 700, 27', Rigid Head.....\$7,950(M)
 CIH 1020, 20', Flex Head, Field Track....\$6,900(W)
 CIH 1020, 20', Flex Head, Shedded.....\$6,325(W)
 GL 320, 20', Flex Head, Good Cond.....\$4,450(W)
 GL 400, 25', Rigid Head W/Trailer.....\$4,250(M)
 NH 973, 20', Flex Head.....\$2,600(H)
 GL 18',\$2,500(W)
 IH 820, 22' Head.....\$2,000(C)
 IH 820, 15' Head.....\$1,950(T)
 GL 318, 18', Flex Head.....\$1,450(M)
 (2)CIH 1020, 20', Flex Head.....Coming Soon (W)
 CIH 1020, 20', Flex Head.....Coming Soon(T)

Tractors

NH TJ325, Approx. 1440 Hrs.....\$121,900(M)
 CIH MX210, Loader, Exc. Cond.....\$115,000(W)
 NH TG210, Loader, Deluxe Cab.....\$105,000(M)
 NH TG210, 4 Remotes, Deluxe Cab....\$99,500(W)
 CIH MXM175, Approx. 450 Hrs.....\$89,500(W)
 CIH MX200, Approx. 3050 Hrs.....\$84,500(W)

Tractors

CIH MXM130, Loader, 3 Remotes.....\$69,500(T)
 CIH MXM120, Loader, Very Nice.....\$65,900(W)
 CIH 8910, Approx. 1850 Hrs, Nice.....\$59,500(T)
 CIH MX120, PowerShift, Good Cond...\$52,500(W)
 CIH MX110, Loader, 3 Remotes.....\$52,500(C)
 CIH MX100, 2WD, PowerShift.....\$50,000(T)
 NH 8560, Approx. 3300 Hrs.....\$47,500(H)
 Ford 8630, Loader, Exc. Cond.....\$36,900(W)
 Versatile 876, Just Rebuilt.....\$32,500(W)
 CIH 5130, Approx. 4600 Hrs, Loader...\$32,000(M)
 Ford TW20, Very Clean.....\$19,000(H)
 Deutz 7120, FWA, Approx. 4525 Hrs....\$19,000(M)
 JD 4030, C/HA, Quad Range.....\$17,900(W)
 IH 5488, 2WD, C/H/A.....\$16,500(W)
 IH 5088, Loader, 540/1000.....\$14,500(T)
 JD 4630, PowerShift, Loader.....\$13,900(H)
 Case 2390, Good Cond.....\$12,000(W)
 IH 766, Loader, Diesel.....\$11,900(W)
 JD 4230, 540 PTO, 2 Remotes.....\$11,000(M)
 White 2-155, 2 Remotes, Overhauled...\$11,000(M)
 JD 4020,\$10,000(H)
 IH 1586, C/H/A, Newer Tires.....\$9,500(M)
 JD 4100, Loader, Diesel, Belly Mower...\$9,500(T)
 JD 2940, Approx. 4700 Hrs.....\$9,000(H)
 IH 784, Diesel, Very Good Cond.....\$8,950(W)
 Ford 9600, C/H/A, Runs Great.....\$8,500(M)
 Ford 7000, Diesel, Loader.....\$8,500(W)
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 JD 3010, Gas, 540/1000, New Paint.....\$7,500(H)
 Case 1175, 2 Remotes, C/H/A.....\$7,500(H)
 IH 826, Cab, 540/1000.....\$6,950(W)
 AC 185, Diesel, Cab.....\$6,950(W)
 Ford 4600, Diesel, 3Pt, 1 Remote.....\$6,950(T)
 Ford 861, Gas Tractor, Loader.....\$6,800(T)
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 AC 170, 2WD, Nice Unit.....\$6,000(W)
 Ford 3000, Diesel, 3Pt, 1 Remote.....\$5,500(W)
 Ford 1210, Belly Mower, Turf Tires.....\$4,500(T)
 Ford 2N, Runs Well.....\$2,100(T)
 IH 400, Narrow Front, Gas.....\$1,950(W)
 CIH DX55, Loader, Exc. Cond.....Coming Soon(W)
 Case 2390,Coming Soon(T)
 Case 2394,Coming Soon(H)
 CIH 7210,Coming Soon(H)
 CIH 7240,Coming Soon(H)
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 CIH WDX 1101, App. 920 Hrs.....Coming Soon(W)
 NH HW320,Coming Soon(M)
 NH HW325,Coming Soon(M)

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 HE 1014, 14', Hydra Swing.....\$2,000(M)
 HE 1014,\$2,000(M)
 NI 5312, 12', Disc Mower.....Coming Soon(W)
 JD 1380, 14', Hydra Swing.....Coming Soon(M)
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 NH 664, Bale Command, Good Cond..\$12,500(W)
 GE 2880, 5x6, Twine, Hyd. Pickup.....\$12,000(H)
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 CIH RS561, Good Cond.....\$10,500(W)
 NH 660, 5x6, Bale Command, Twine...\$8,900(M)
 CIH 8460, Monitor.....\$5,950(T)
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Kansas 4-H members to help Greensburg 4-H'ers

Kansas 4-H encourages youth to practice leadership, citizenship and service, and it succeeds. The Kansas 4-H Youth Council has now voted to contribute \$5,000 to help rebuild the 4-H Livestock Pavilion at the Kiowa County Fairgrounds, said Shane Oram, a Kansas State University student and the state 4-H council's president.

The council's leadership group includes 12 members elected at the Kansas Youth Leadership Forum each November and up to 12 of the state's National 4-H Conference delegates. The group's charge is to plan leadership development opportunities for Kansas youth.

Oram describes the council as "thankful" that it was able to make a gift to help Kiowa County 4-H members, who themselves are raising money and soon to host a barn raising to rebuild the 4-H Livestock Pavilion, destroyed by the tornado that struck Greensburg last spring.

Staging the barn raising was the suggestion of Jeff Parness, representing The

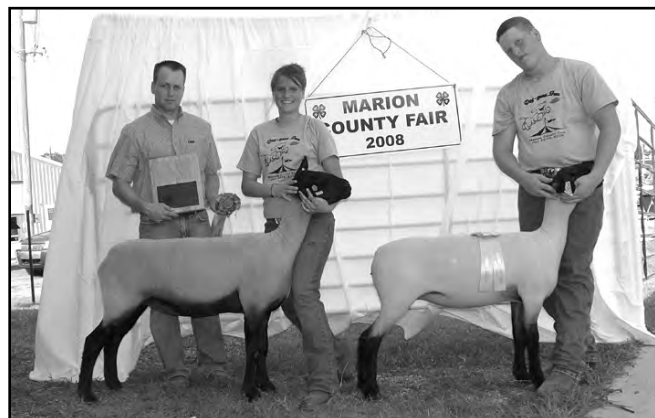
New York Says Thank You Foundation, which will bring volunteers to assist Sept. 5-6.

Although not wealthy, the 4-H Youth Council agreed to a commitment of \$5,000, Oram said. They raised the funds through sales of t-shirts, hats and other 4-H memorabilia, as well as savings realized from coming in under budget on council-planned conferences and events.

Pam Muntz, K-State Research and Extension agent

in Kiowa County, was enthusiastic in acknowledging the council's gift: "It is wonderful to know that Kansas 4-H'ers recognize the value of 4-H programs and are willing to reach out to make opportunities available to others."

More information on the upcoming barn raising to replace the Kiowa County 4-H Livestock Pavilion is available by contacting the Kiowa County K-State Research and Extension Office at (620) 723-2156.



At the Marion County Fair, champion breeding ewe honors went to Shelby Percell, left. Reserve champion ewe honors went to Ethan Frantz.

AUCTION

SATURDAY, SEPTEMBER 6 — 9:00 AM

We are moving and will sell the following items at public auction at the residence located at 403 Main St. in MORGANVILLE, KANSAS.

Real Estate - sells at 12:30 PM

Open House: Sunday 8/31 from 1 to 3 and Tuesday 9/2 from 5-7.

LEGAL DESCRIPTION: Lots 4, 5, 6 and the W1/2 of Lots 7, 8, 9 and the E1/2 of Lots 7, 8, 9 all in Block 26 in the City of Morganville, Kansas.

This property consists of a house, garage, storage sheds and a large open area just north of the old Morganville gradeschool. This tract comprises 1/2 a city block. The house is a 1936 2 bedroom bungalow with full poured basement, front porch and rear patio area. The main floor has an open living and dining area which is carpeted, full bath with tub and shower and kitchen with an extension which was added in 1986. This added area also serves as a utility room with washer and dryer hookups. These areas have linoleum flooring. The bedrooms have hard wood floors. Original ornate brass light fixtures are found in living and dining areas. There is nice pine woodwork. The basement is unfinished and has a fruit/storm cellar to the east. The attic area could be improved for extra bedrooms. Major renovations were done 10 years ago and include vinyl siding, guttering and down spouts, alum. windows, new roof and new natural gas furnace with central AC. The water heater is 8 months old. This home is served by Morganville utilities. This is a cozy well built energy efficient home which has great curb appeal. Outside is a detached single garage and utility sheds. Established trees provide shade and the



large open area offers many possibilities. Please attend the open house on August 31 or September 2nd, or call the Cooneys to view house at other times.

TERMS: 20% down day of sale. Balance due in 30 days or upon delivery of a merchantable title. Possession at time of closing. Seller and buyer each to pay 1/2 of title insurance and escrow fees. 2007 property taxes to be paid by the seller. 2008 taxes to be prorated to date of final settlement. 2007 taxes were \$571.22. Contract, deed and down payment to be escrowed at Clay County Abstract and Title, 509 Court St., Clay Center, KS. Property to be sold subject to owners confirmation. Announcements made sale day to take precedence over printed matter. The auction firm is working for the seller.

FURNITURE & APPLIANCES - AFTER HOUSE
Kenmore 22 cu. ft. refrigerator w/freezer, white, VG; Whirlpool 30" electric range w/blk. glass oven door; matching Kitchen Aide washer and dryer in almond, VG; sm. upright freezer; GE refrigerator, white, good shape; RCA XL100 19" color TV; Zenith portable 27" color TV; tan matching dbl. recliner sofa and dbl. recliner loveseat; La-Z-Boy rocker recliner; (2) nice maroon table lamps w/shades; other old floor and table lamps; nice oak entertainment center, measures 58" W x 50" T x 17" deep; (2) VCRs; DVD player; 6 ft. contemporary hutch/china cabinet; corner computer desk; microwave oven on stand; queen sized and dbl. mattresses and box springs on metal frames; matching dresser and chests of drawers and storage cabinets; computer stand; dk. gr. wing back chair; (2) rust velour easy chairs w/ottoman; tan hide-a-bed sofa w/queen mattress; (3) end tables; cafe pedestal table; formica kitchen table w/leaf and 5 padded chairs on rollers; other tables; lots of dining chairs; (2) nice bar stools; quilt rack; lg. oak school desk; students desk; office chair; ant. high chair w/tray; newer high chair; 40s baby bed; 5 dr. filing cabinet; (2) 2 dr. filing cabinets; work/sewing table; book shelves; lots of good metal standing shelving; nice metal cantilever wall shelving w/brackets; old Philco console radio/record player; older humidifier.

GUNS, WWII & NAZI ITEMS - 12:00

Ruger P38 German army pistol w/holster and one clip, all numbers match, brought back from war by Leo Cooney; Mosberg model 46B-B bolt action 22, S, L., LR; Western Auto Revelation model 100 bolt action 22, S, L, LR; bayonet from war; box 9mm shells; gun case; WWII U.S. Army uniform w/shirt, jacket, coat; other army clothing, sev. hats, etc.; duffle bags; nap sack w/contents; spats; arm patches; hand grenade paper wt.; old shell; German celluloid compass w/metal flip up signalling mirror; approx. 10 very nice German Nazi military pins w/eagles and swastikas, all are different, some have rifles, some daggers, wreaths, Maltese crosses, Nazi helmet and more, from 1 1/2 to 2" diameter (see at kretzauctions.com) lapel pin w/flying eagle clutching swastika; sm. red star w/USSR hammer and sickle; old Boy Scout membership good luck token w/horse and rider and swastika; old German coins w/swastika; cigarette lighter; belt buckle w/eagle and swastika; red arm band w/swastika; shoulder cord w/embell; lg. "Allied war map" 1941 My Life in Service Journal, not used.

ANTIQUES, COLLECTIBLES, GLASS

Sell in late morning or in the afternoon.)
Hanging Alladin kerosene lamp, unusual; kerosene table lamp; Kellogg oak wall phone w/shelf, complete; Paris style telephone w/unusual ear piece, by Kellogg; CB telephone from '70s; cuckoo clock; 10" and 12" metal crucifixes w/INRI; wooden bowl; butter paddle; box camera; kitchen scales; butcher paper holder; chalk cat door stop; dbl. match box; cast chicken fryer w/lid; **Belsond red accordian in case, beautiful instrument;** "Rudy Muck" Citation trumpet; lots of 45s; LPs; 33s; lg. slate blackboard; reel mower; restored child's metal wagon; beautiful ornate cherry wood fireplace mantle, over 75 yrs. old; iron ball from ball and chain; primitive shaving cabinet; lg. steamer trunk; **nice brass steam whistle, 12" total length, 5 1/2" pipe length; sm. brass air whistle;** pay toilet coin-op lock; spiral metal plant stand; wash tub; unusual sm. child rocking horse; nice 2 ft. "Drink" Masons Root Beer thermometer; egg basket; 1958 transistor radio; **Toys:** homemade air powered stationary eng. w/belt pulley; Tonka dump truck and pay loader; Gilbert microscope and lab set in tin case; pipe type doll bed, over 75 yrs. old; '50s alum. semi trailer; various dolls; Lincoln Logs; Welcome Back Kottler lunch box w/thermos; Dukes of Hazard puzzle; sev. '50s puzzles w/Disney characters, Davy Crockett, etc.; boxes of games; Mosler Jr. safe bank; **Smalls:** marbles; lg. bag like and other campaign buttons; sev. good straight razors; leather Geo. Washington post card; nice variety other old postcards; Black Americana postcard w/kids; **Automobile Related-**
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Research 'N' Review

By Joel DeRouchey

Occasional, periodic outbreaks of contamination from the harmful E. Coli 0157:H7 continue to plague our food supply, including beef. Therefore researchers at the University of Nebraska evaluated a vaccine on its potential as an intervention. They used 608 steers that were either: 1) unvaccinated controls; 2) vaccinated with one dose at day 42; 3) vaccinated with two doses at day 0 (arrival) and at day 42; and 4) vaccinated with three doses, at days 0, 21, and 42.

In the above order of treatment, vaccine efficacy was 68%, 66%, and 73%. Interestingly, unvaccinated cattle housed in the same pen as vaccinated were 59% less likely to shed E. coli 0157:H7.

In a second study, using 288 steers, treatments included three doses at 3-week intervals. Fecal samples were collected at arrival and at two, four, six, and eight weeks thereafter. Vaccinated cattle were 98.3% less likely to have E. coli 0157:H7. Therefore in the future vaccination may help reduce problems from E. coli contamination.

As the summer months come to an end and heat stress becomes less of a concern, planning for future summer months of feeding and managing cattle should begin this fall. The most common measure of potential heat stress in large animals is based on a combination of temperature and humidity, the Temperature Humidity Index (THI).

Nebraska researchers theorized that level of wind speed and solar radiation are also important factors. The best measure of heat stress is body temperature, difficult to accomplish with large numbers of animals in feedlots. A useful alternative measure was employed in these studies, panting score, ranging from 0 for normal respiration to 4 for severe open-mouthed panting ac-

companied by protruding tongue and excessive salivation.

It was found that adjusting THI by including wind speed and level of solar radiation resulted in higher correlation with panting score than THI alone. Also, nighttime Adjusted THI was related to mid-afternoon panting score.

While the Temperature-Humidity Index (THI) is often used to assess heat stress, the index does not account for other important variables affecting stress, especially wind speed as mentioned in the above study with Nebraska researchers.

To take it to the next step, Australian researchers developed a Heat Load Index (HLI) including temperature, humidity, and wind speed using data collected during eight summers on almost 18,000 feedlot steers. Breed-types included straight Bos taurus, Bos taurus crosses, Bos taurus-Bos indicus crosses, and straight Bos indicus. HLI thresholds were determined above which body temperature increased. So a higher HLI equaled greater tolerance.

HLI results showed to be 1) highest for straight Bos indicus and lowest for straight Bos taurus 2) higher as amount of shade per animal increased; 3) lower for animals showing clinical signs of sickness; Lowest for black color, intermediate for red, and highest for white; 4) lower as time on feed increased (apparently related to increased body fat); lower as temperature of drinking water increased; and lower as depth of manure in the lot increased.

These results indicate that the highest tolerance was demonstrated in animals that are white-colored, healthy, straight Bos indicus with access to shade and cool water early in a feeding period on less manure depth.

Keep phosphorus prices in perspective

Phosphorus (P) fertilizer prices are high, no question, but wheat producers should not overreact to the lofty price tags by cutting back on phosphate fertilizer if it's needed for the wheat crop, said Kansas State University agronomist Barney Gordon.

"Where soil phosphorous levels are low (10-20 parts per million Mehlich III or Bray-1 P) or very low (less than 10 ppm), the likelihood of a wheat yield response to phosphorous is greater than 50 percent," said Gordon, who is the agronomist-in-charge at the K-State Research and Extension North Central Experiment Field near Belleville. "Often, the yield response is great enough to more than pay for the phosphorous fertilizer, even at today's prices."

In mid-August, prices in Kansas for dry and liquid forms of phosphorous ranged from \$1 to \$1.30 per pound—approximately 180 to 210 percent higher than a year ago.

Wheat tends to be highly responsive to P input if the soil test category is low or very low, he said. Phosphorous is generally the second-most limiting nutrient in wheat production behind nitrogen, but in some areas of the Great Plains, phosphorous is even more limiting than nitrogen.

"Early-season phosphorous deficiency can limit wheat yield potential. The first five to six weeks after emergence is the critical period. Wheat absorbs about 18 percent of its total seasonal phosphorous uptake in just the first two weeks of growth," Gordon said.

Phosphorous has major impacts on tillering and rooting of wheat, and an early-season P deficiency can reduce those important aspects of growth and development, he explained. In turn, a poorly developed plant is more susceptible to stresses in winter and spring. "It doesn't take much added phosphorous fertilizer, with the proper

timing and placement, to have a big effect on early-season development and yields," the agronomist said.

Later-season phosphorous deficiency has a much lower impact on wheat production than early-season phosphorous deficiency.

Gordon said the biggest response to phosphorous will come from placing the fertilizer with the seed—either as a dry product, such as 11-52-0, or a liquid, such as 10-34-0.

Broadcasting P can also improve early-season wheat growth in some cases (especially on soils testing medium for Mehlich III or Bray-1 P). But, broadcasting is less efficient and requires a higher rate to obtain a similar response, making it more expensive.

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Researchers to test remedies, investigate link between e. coli and distillers' grains

A research team headed by Kansas State University E. coli O157:H7 expert T.G. Nagaraja has been tapped by the U.S. Department of Agriculture to study both the connection between feeding distillers' grains and E. coli O157:H7 in cattle and several strategies to reduce the presence of the naturally occurring pathogen in the animals.

The group has received a \$939,220 National Research Initiative in Food Safety grant. Nagaraja, a university distinguished professor of microbiology, said the issue of meat safety is receiving full attention from both re-

searchers and the meat industry and is being addressed.

"This research project will greatly enhance our understanding of the exact relationship between dietary distillers' grains and E. coli O157:H7 in cattle, as well as provide us with an opportunity to look at novel ways to mitigate the potential risks of feeding this valuable co-product," Nagaraja said.

Distillers' grains are a byproduct of ethanol produced from cereal grains that are used in cattle feed. They are rich in fiber, energy and protein.

The research team will look at ways to reduce the amount of E. coli O157:H7 present, such as administering a probiotic, an experimental vaccine and feeding brown seaweed, a plant shown to have an effect in reducing E. coli O157:H7 prevalence in cattle. In addition, they also will study whether feeding varied amounts of the distillers' grain or making it dry or wet has an effect on the prevalence of E. coli O157:H7 detected in the feces.

Along with Nagaraja, the research team includes K-State professors David Renter, Mike Sanderson and

Dan Thomson, and doctoral student Megan Jacob.

The grant builds upon the long history of K-State researchers focusing on food safety. An example of that work that has direct application to the consumer comes from meat scientist Melvin Hunt.

"Despite care in food processing and provision, there is a possibility that food can become contaminated with potentially harmful bacteria," Hunt said. "Occasional recalls of potentially contaminated ground beef in recent years are a sign that safety checks are working — hamburger

lovers do not need to give up their favorite food."

Consumers need to be mindful that recommendations for cooking ground beef have changed. Generations have been brought up to think that when ground beef browns, it's cooked. That's no longer true, Hunt said.

In the mid-1980s, K-State meat science researchers were asked to study the possibility of reducing the percentage of fat in ground beef without compromising taste and texture.

As the K-State researchers studied ground beef with differing proportions of fat, they observed how the meats cooked and noted that some ground beef browned prematurely, before it had reached the safe-to-eat temperature of 160 F.

The color of meat depends on the oxygen in the muscle cells, Hunt said. As an example, he explained that fresh ground beef is bright red because oxygen

is incorporated into the meat as it is ground. As the meat ages, it loses oxygen, which causes the color to change. The oxygen in the muscle is carried by myoglobin, which is similar to hemoglobin that carries oxygen in humans.

Observations during the study prompted researchers to recommend that temperature — not color — should be used as a test for doneness, Hunt said.

In a restaurant, consumers are advised to order a ground beef patty cooked to at least medium, or 160 F. At home, they are advised to check end-point temperature with a meat thermometer.

"Using a meat thermometer is the only sure way to tell if meat is properly cooked," Hunt said.

The K-State researchers are among the more than 150 K-State experts working in the arena of food safety, animal health and agricultural health.

Be a valuable role model for youth

Role models are an important component in your child's life. But, how do you ensure your child's role model is portraying a positive reflection on their future?

"Role models need to be 'real' people. While movie stars and professional athletes are often viewed as heroes, parents and other key adults close to a child are the most important role models," said Debbie Richardson, Oklahoma State University Cooperative Extension parenting assistant specialist. "Children who are given encouragement by their role models to follow their dreams and reach for success will build self confidence."

Richardson said positive role models will decrease the chances of students dropping out of school.

According to the study, Dropout Risk Factors and Exemplary Programs, dropping out of school generally is the result of a long

process of disengagement that often begins before the child enrolls in kindergarten. The study says that dropping out of school is related to many individual, family, school and community factors.

"Students whose parents or adult mentors spend time with them and show an interest in their activities have a decreased chance of dropping out of school, getting involved with drugs, violence and other risky behaviors," she said. "By getting involved in the student's education, using effective communication and interacting with teachers, students have every opportunity to succeed."

It is important to build strong bonds within the family and school. Usually children are more affected by what adults do than by what they say. They learn how to behave by seeing how their parents or other adults act and follow their example. Richardson

suggests the following:

Show an interest in your child's school work. Try to relate common interests to school. Assist your child in setting realistic goals, but do not pressure them.

Give your child responsibilities at home, for instance walking the dog or setting the table. This helps your child gain a sense of cooperation and accomplishment.

Be sure to praise your child for their efforts yet try not to demand they always be the best. Everyone has off days.

If you are too tired to spend time with your child, explain why and make arrangements for another time.

Listen to your child and encourage them to ask you questions. Show respect for their concerns and problems.

Discuss your beliefs and values. Model what is important and apply to your own actions.

Be consistent in teaching and setting examples.

Show children they are loved, do not just assume they know.

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Market Report - Sale Date: 8-21-08. Head Count: 1,457.

300-400 lb. steers \$110-\$133.50; heifers, \$102.50-\$118; 400-500 lb. steers \$105-\$120; heifers, \$95-\$116; 500-600 lb. steers \$100-\$120; heifers, \$95-\$110; 600-700 lb. steers \$100-\$116; heifers, \$95-\$109.75; 700-800 lb. steers \$95-\$114.75; heifers, \$92.50-\$109.75; 800-900 lb. steers \$92.50-\$112.25; heifers, \$90-\$107. Trend on Calves: Choice str & hfr calves steady to \$2 higher. Trend on Feeder Cattle: Feeder str, steady on front end kind, feeder hfrs, steady on front end kind, \$2-\$3 lower on plainer str & hfrs. Butcher Cows: High dressing cows \$57.50-\$65.50; Avg. dressing cows \$52.50-\$57.50; Low dressing cows \$35-\$52.50. Butcher Bulls: Avg. to high dressing bulls \$72.50-\$83. Trend on Cows & Bulls: Butcher cows steady, butcher bulls steady.

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Representative sales for last week, August 20.

HEIFERS	8	660	117.00		
14	686	114.00	63	915	111.75
7	564	113.50	9	785	111.00
12	620	110.75	55	975	110.00
132	760	109.25	26	948	108.50
9	739	108.50	3	997	103.25
54	699	107.75			
42	881	107.00			
STEERS					
6	726	118.60			

Fat hog top was \$58.00 on three head weighing 267 pounds.

SPECIAL EARLY CONSIGNMENTS FOR THIS WEDNESDAY, AUGUST 27
90 Angus cross steers & heifers, 575-775Schmidt Ranch
30 Angus cross steers & heifers, 650-700B&S Stuewe
32 Angus cross steers & heifers, 700-850K. Giest
130 blk, bwf steers, 850-900S. Altwegg
60 blk cross steers, 850-900W. Gfeller
52 blk cross steers, 800-850S. O'Shea
90 mixed heifers, 700-750M. Clemence
More consignments by sale time.

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CLAY CENTER LIVESTOCK SALES INC.
Cattle sales Tuesday, 12:00 PM.

EARLY CONSIGNMENTS FOR TODAY, TUESDAY, AUGUST 26
20 Angus cows fall bred to start calving now, 5 years and up. AI sired and bred to Lyons Bulls.
15 black cross heifers, 700-750 lbs.
75 Hereford steers & heifers, 400-650 lbs.
34 Hereford steers & heifers, 600-800 lbs.
More consignments by sale time.

CONSIGNMENTS FOR SEPT. 9TH SPECIAL APPRECIATION & ANNIVERSARY SALE
200 crossbred steers, 875-925 lbs.; 100 black steers, 875-925 lbs.; 80 black steers, 775-825 lbs.; 50 black steers, 475-550 lbs., pre-vaccinated; 7 black steers, 800-850 lbs.; 100 cross heifers, 750-775 lbs.; 60 cross steers, 850-900 lbs.; 70 cross steers, 825-875 lbs.; 100 black cross steers, 800-875 lbs.; 30 crossbred heifers, 725-775 lbs.; 120 black cross steers & heifers, 325-500 lbs.
Call now to make consignments for special advertising.

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KFRM 550 Fri. & Sat. at 8 a.m.

Radio Market Reports
KCLY-FM 101 Tues. 6:45 a.m.

Shawnee County Extension agriculture agent to retire

By Beth Gaines-Riffel, Editor

There are those individuals with which you cross paths in life and you immediately recognize them as educators. Maybe it's because of their demeanor and their interest in sharing knowledge and how they seem to find the "teachable" moment in most everything they do. Maybe it's their kindness and their interest in seeing improvement in each and every person they come across. I can't exactly put my finger on it, but Dean Davis is one of those teachers.

At the end of this week, Davis will enter "retirement" after serving the Kansas Extension Service for 29 years in three separate counties. The past 19 years have been in the Shawnee County office as agriculture agent. I say "retirement" as Davis and his wife Marlene own and operate a purebred Hereford operation and will be spending plenty of time tending to the cows as well as following the activities of their grown children and more importantly grandchildren in the region.

Davis, a native of Rossville has served as the Extension agriculture agent in three counties — starting in Morris County. Davis recalled the words of Ray Hoss, who was the area director at the time he took his first post.

"For the first two months, spend most of the time in the car," Davis said. He encouraged me to get to know the people.

And that's exactly what he did, and the advice has



Dean Davis, long-time Extension Agriculture agent in Shawnee County will retire at the end of this week. From his office and Topeka, Davis has worked with many farm families in the region to solve problems and improve farm productivity and profitability.

served him well. Davis explained that far and away the farm families that he has gotten to know through the years has been the most rewarding aspect of the post.

Davis graduated from Kansas State with a B.S. in Animal Science and then followed up with a Masters degree in Extension education. His Extension career started in Council Grove in Morris County before moving to Riley County and eventually to Shawnee

County.

While he admits to subscribing to the "old-school" approach for Extension outreach, Davis has coordinated annual tours — featuring wheat, irrigation, crops and beef tours each year — noting that he has been on 30 different Shawnee County farms for the annual beef tours and countless different families have been willing to host stops for the crops tour.

"Tours are both educational and social," he said.

"It gives people a chance to get together and solve problems." Davis commented that he is exceptionally proud of the notion that each of the tours have been completely sponsored, allowing area producers to attend, enjoy a meal or refreshments with no additional charge. "I have always had great support from area agribusinesses."

Extension provides research-based information, Davis emphasized. "It is good information."

Davis, while subscribing to the traditional methods of getting the information out to folks, has been on the forefront as well. "We were the first to do a canola test plot," he recounted. "It didn't

work. We got froze out." Other leading edge campaigns have included an educational push between producers and law enforcement to help secure anhydrous ammonia tanks to prevent theft by those involved in the production of meth.

"People learn trust, but you have to earn respect," Davis reflected. "If you don't have the respect of the people it is a tough deal."

And people do trust and respect the educator — each day the agent fields 10-15 calls on a variety of topics. "Sometimes we can talk through the problem on the phone. More detailed problems require a visit. And sometimes if I don't know the answer, I go to work to

find it out," he explained. Davis said that being an effective teacher and making sure that people can figure out the problem is important.

"The first thing I have them do is get a pen and paper. We walk through the steps and I have them write it down and then they read it back to me to make sure that they've got everything down," he said.

Agriculture is the only renewable resource that creates jobs. People need to know that," Davis said.

To honor Davis for his years of service a reception will be held at the Shawnee County Extension office at 1740 SW Western in Topeka. The public is invited from 2:30 until 5 p.m.

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51 blk, bwf steers & heifers, 600-750 lbs., vaccinated

175 blk, Simm cross steers & heifers, 650-750 lbs., vaccinated, weaned

80 blk, Char, cross steers & heifers, weaned, vaccinated

65 blk, bwf heifers, 775-800 lbs.

65 blk, cross heifers, 800-825 lbs.

65 blk, red, cross heifers, 750-775 lbs.

60 blk, bwf steers, 825-875 lbs.

110 blk, Char, cross steers, 725-775 lbs.

80 blk, bwf steers, 825-875 lbs.

210 blk, cross steers, 750-950 lbs.

40 blk, cross steers, 900-950 lbs.

30 blk, bwf steers, 95-1,000 lbs.

48 blk, bwf heifers, 700-725 lbs.

61 blk, cross steers, 900-925 lbs.

36 blk, cross steers, 800-900 lbs.

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