

MU Extension releases winter feed cost dashboard

Beef producers will soon spend a lot on hay and supplement. Just how much can vary and depends on many moving factors, say two University of Missouri Extension specialists.

Agricultural business specialist Brent Carpenter and livestock specialist Gene Schmitz looked at how current prices affect winter feeding costs for several different diets.

"Winter feeding is a critical time for herd health and production. It's also the most expensive time on the cow calendar," Schmitz says.

Carpenter says grass hay prices dropped only slightly from last winter following a drought. Although USDA reports strong production in 2019, hay stocks at the start of harvest season were the lowest in 35 years. Heading into the winter feeding season, prices remain 25-30% higher than two years ago.

The team compared the cost of hay and supplement for spring- and fall-calving cows.

They found that the difference in daily cost with current prices is about a dime per day. Spring-calving cows are in late gestation and dry most of the hay-feeding season. Fall-calving cows are in mid-to-late lactation during winter.

Without laboratory testing, grass hay quality is difficult to establish, says Schmitz. No grading system exists for grass hay, so the longtime Extension specialists assigned "poor, fair and good" grades based on crude protein and energy content. Similarly, hay prices are quoted by rough quality grade.

They considered multiple feed mixes to meet the cow's nutritional needs. They estimated cost at about 8 cents per pound for delivered feed in central Missouri.

The cost of raised hay is set to \$62 per ton, based on MU Extension production budgets. Carpenter says producers who grow their own hay should strive for high quality. The costs per ton to grow poor-quality and high-quality hay are the essentially the

Winter Feed Cost Dashboard			
Diet cost, \$ per cow per day			
November 2019			
Hay Quality	Supplement fed, lbs	Diet cost	
		Buy hay	Raise hay
Spring calving cows			
Good	2.0	\$1.72	\$1.13
Fair	3.2	\$1.35	\$1.16
Poor	5.2	\$1.08	\$1.24
Fall calving cows			
Good	2.8	\$1.82	\$1.21
Fair	4.8	\$1.46	\$1.27
Poor	6.3	\$1.18	\$1.34

same.

The realized cost of feeding good-quality raised hay is about 59 cents less than com-

parable purchased hay. Feeding poor-quality raised hay actually cost the producer about 16 cents more each day than

buying comparable hay. This difference is even higher in years of surplus hay supplies, says Carpenter.

"Farm Financial Skills for Women in Ag" workshop series to be held in Salina

On farms large and small all across the United States, the number of women making the decisions is growing.

Against that backdrop and in view of the current struggling farm economy, K-State Research & Extension will host a

four-part series of workshops focused on helping women sharpen their farm financial management skills. More

than 25,000 women are decision-makers on Kansas farms and they farm more than 14 million acres, according to the U.S. Department of Agriculture's Census of Agriculture.




To help these businesswomen turn farm records into financial statements and profitable management decisions, the Central Kansas Extension District will be a host site for the series

where each evening session builds on material from the previous sessions.

All sessions will be on Wednesdays (Jan. 15, Jan. 22, Jan. 29 and Feb. 5) from 5:30 to 8:30 p.m. at the American AgCredit building located at 925 W. Magnolia in Salina. Each meeting will include a combination of broadcasted keynote and local speakers as well as hands-on activities that will focus on networking, recordkeeping, balance sheets, farm stress, income statements, family living expenses, cash flow, and goal-setting.

Participants register at a cost of \$40 for the entire four-session series. The fee covers all meals and program materials each night. The program is supported by the USDA's National Institute of Food and Agriculture through North-Central Extension Risk Management Education. For more information visit www.AgManager.info under the "Events" page. Registration must be done by December 31 either online, by calling the CKD-Minneapolis Office at (785) 392-2147 or emailing crensink@ksu.edu.

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1998 NH TS110, 5366 hrs.....\$29,500
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Grasshopper 226V.....\$7,500
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2010 Kinze 3600 12R15.....\$69,500
2010 Kinze 3600 12R23.....\$69,500
2011 Case 1240 16R30.....\$59,500
Case 3900.....\$18,500
2012 Case 330 34' Turbo.....\$36,000
Case 870.....\$44,000
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Our CONSIGNMENTS can now be viewed after 12 Noon on Mondays by going to www.grassandgrain.com & logging onto the online subscription

THERE WAS NO SALE HELD FRIDAY, NOVEMBER 29 IN OBSERVANCE OF THANKSGIVING

EARLY CONSIGNMENTS FOR DEC. 6

- 20 rwf- Red Brockle and Red Angus Heref cross str & hfrs, long weaned, all shots & wormed, green condition.
- 55 blk str & hfrs, 700-800 lbs.
- 27 blk & Cross str & hfrs, long weaned, 700-800 lbs.
- 14 blk home raised str, weaned 35 days, all shots, 575-600 lbs.
- 32 Herf & Red Baldy str & hfrs (weaned 10/13), 2 rds shots, 500-600
- 20 Blk Hfrs (weaned 30 days, 2 rds shots) 550-650
- 22 mostly blk & Red Ang, mostly hfrs & str, 2 complete rds shots, weaned 5 wks, 650-700 lbs.
- 2 bwf cows, 5 yrs old w/ Sept. calves by side.
- 2 blk cows SS w/ calves by side.
- 4 Simm Angus cross str & hfrs, 600-700 lbs.
- 2 Simm angus cross str, 800-850 lbs.
- 40 Ang str & hfrs, 2 complete rd shots given by vet, weaned 3 wks, bunk broke, 500-650 lbs.
- 45 choice reputation blk & Red Angus str & hfrs, 2 rds shots, weaned 45 days, 550-700 lbs.
- 20 SimAngus str & hfrs, 2 rds Spring shots, one rd at weaning. Bunk broke. 500-750 lbs.

EARLY CONSIGNMENTS FOR DEC. 13

- 12 Simm cross str & hfrs, weaned 50 days, pour on, 2 complete rds shots, 500-550 lbs.
- 225 choice reputation Blk, BWF, & RWF age & source identified str & hfrs, weaned 60 days/ 2 complete rd shots, 500-650
- 24 blk str & hfrs, 2 complete rds shots, weaned 35 days, 650-750 lbs.
- 50 choice reputation Angus str & hfrs, 2 complete rd shots, weaned 50 days, 550-800 lbs.
- 23 home raised Balancer X str & hfrs, 2 rds shots, poured, weaned 45 days, bunk broke, 500-700 lbs

**SPECIAL STOCK COW AND BRED HEIFER SALE**
WED., DEC. 18 • STARTING 11:00 AM

**COMPLETE DISPERSAL OF KEVIN HENRY ESTATE CONSISTING OF:**

- 27 blk & Red cross Fall calving cows, 3-8 yrs, 22 will have Aug. & Sept. Angus sired calves, balance are Springers. Angus bull turned in October.

BRED 1st CALF HEIFERS

- 25 fancy blk Angus 1st calf OCV hfrs from Wyoming & Sandhills origin, bred registered Traveler & In Focus genetic calving ease bulls for Jan. 17-Feb. 19 calving.
- 32 choice northern origin blk & bwf 1st calf OCV hfrs, pelciv measured, LBW Harms Conrad Angus bull in May 15-July 10 for Mar. & April calves. All shots including 1st round Scour Bos 9.
- 45 choice reputation home raised Angus 1st calf hfrs, Gardiner Genetic Prophet daughters, bred to Sons of Sure Fire & Momentum negative LBW bulls May 1 for 90 days.
- 90 Red Angus 1st calf bred hfrs, 1 rd Scour Guard 9, Lepto and worm, start calving Feb. 1st for 75 day calving period.
- 160 blk & Red hfrs coming w/ a 2nd calf, bred to registered blk & Red Angus bulls, Lepto, Scour Guard 9 and wormed, start calving Feb. 15th for 90 day calving period.
- 40 blk 1st calf hfrs, bred blk, some shots.
- 10 Angus 1st calf hfrs w/ Fall Angus sired calves by side.

PAIRS

- 12 blk blk Baldy cows, 4-8 yrs w/ 30-90 day calves by side.
- 3 blk cows, 3-4 yrs w/ 30-45 day Angus calves by side.

REPLACEMENT HEIFERS

- 5 blk replacement hfrs, 750 lbs.
- 8 Simm & SimmAngus replacement OCV hfrs, 2 rds shots, weaned 60 days, 650-750 lbs.
- 13 Simm, SimmAngus replacement hfrs, 650-750 lbs.

BRED COWS

- 85 blk bwf cows, 3-5 yrs, bred blk Simm & Simm Angus bulls for Spring calves.
- 15 Red & Red Baldy cows, 3-5 yrs, bred blk Simm & Simm Angus bulls for Spring calves.
- 20 blk & bwf & Cross cows, coming 3 yrs, bred blk bulls for April-June calves.
- 20 blk & bwf & Cross cows, running ages, bred blk bulls for April-June calves.
- 20 Angus cows, SS to BM, bred Angus to start calving Feb. 10.

FOR A COMPLETE DETAILED LISTING OF OUR SPECIAL STOCK COW & BRED HEIFER SALE, PLEASE VISIT OUR WEBSITE MCCLIVESTOCK.COM

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USED EQUIPMENT

USED COMBINES

'18 CaseIH 8240, 977 hrs	\$279,000
'18 CaseIH 8240, 693 hrs	\$305,000
'18 CaseIH 7240, 581 hrs	\$285,000
'18 CaseIH 7240, 444 hrs	\$289,000
'18 CaseIH 7240, 464 hrs	\$289,000
'18 CaseIH 7240, 481 hrs	\$289,000
'17 CaseIH 8240, 766 hrs	\$285,000
'17 CaseIH 8240, 634 hrs	\$293,000
'17 CaseIH 8240, 564 hrs	\$296,000
'17 CaseIH 7240, 631 hrs	\$269,000
'16 CaseIH 8240, 807 hrs	\$259,000
'16 CaseIH 8240, 907 hrs	\$255,000
'15 JD S660, 1020 hrs	\$172,000
'15 CaseIH 8240, 1019 hrs	\$219,000
'14 Gleaner S77, 1120 hrs	\$139,000
'12 CaseIH 8230, 1004 hrs	\$177,000
'12 JD S670, 1649 hrs	\$122,000
'09 CaseIH 7088, 1638 hrs	\$99,000
'09 CaseIH 7088, 3007 hrs	\$77,000
'09 CaseIH 7088, 2793 hrs	\$83,000
'08 CaseIH 8010, 1840 hrs	\$85,000
'04 CaseIH 2388, 2412 hrs	\$59,000
'04 CaseIH 2388, 3197 hrs	\$49,500
'04 JD 9860, 2592 hrs	\$52,000
'02 CaseIH 2388, 3731 hrs	\$39,500
'98 CaseIH 2388, 4714 hrs	\$16,500
'96 CaseIH 2188, 3419 hrs	\$28,500

USED PLANTERS

'17 CaseIH 1225-8R Planter	\$36,000
'12 JD 1770NT-16R	\$74,500
'11 CaseIH 1250-16R	\$31,500
JD 7200-8R	\$5,500
JD 1700-8R	\$8,500

USED GRAIN CARTS

Used Parker 839, 850 bush	\$17,500
Used Unverferth 8000, 800 bush ..	\$8,500
Used A&L F705, 700 bush	\$5,700

USED FERTILIZER EQUIPMENT

'13 Great Plains 30' Turbo Max ..	\$41,500
'11 Krause 8R30 Gladiator	\$16,000
Agri-Products 9 Shank Ripper....	\$16,500
Quinstar 42' Fallowmaster	\$18,000

USED ATV's

'17 Yamaha Grizzly 700, 6396 miles	\$5,200
'17 Yamaha Grizzly 700, 6280 miles	\$5,500
'17 Polaris 570, 2221 miles	\$5,000
'17 Polaris 570, 2833 miles	\$4,900
'16 Yamaha Kodiak 700, 3642 miles	\$5,900
'06 Arctic Cat 400	\$1,500
'06 Yamaha Kodiak 400	\$2,400

USED HAY EQUIPMENT

'06 MacDon 9352I Windrower	\$24,500
2001 MacDon 5010 16'	\$5,150

USED SPRAYERS

'14 CIH Patriot 4430, 2312 hrs	\$162,500
'12 CIH Patriot 3330, 2456 hrs	\$129,000
'11 JD 4730, 2283 hrs	\$102,500
'08 CIH Patriot 3320, 2545 hrs	\$90,000

USED AUGERS

Westfield MKX130-94	\$16,500
Westfield MK130X71	\$10,900
Westfield MK-13X91	\$10,900

USED TRACTORS

'18 CaseIH MAG 310 CVT, 275 hrs	\$242,000
'18 CaseIH MAG 310 CVT, 433 hrs	\$238,000
'18 CaseIH MAG 280 CVT, 596 hrs	\$217,000
'18 CaseIH MAG 280 CVT, 542 hrs	\$217,000
'17 CaseIH MAG 280 CVT, 883 hrs	\$189,000
'17 CaseIH MAG 280 CVT, 949 hrs	\$187,000
'17 CaseIH MAG 280 CVT, 672 hrs	\$197,000
'17 CaseIH Farmall 120U, 392 hrs	\$71,500
'17 CaseIH Farmall 100C, 159 hrs	\$52,500
'16 CaseIH MAG 280 CVT, 1823 hrs	\$163,000
'16 CaseIH MAG 280 CVT, 667 hrs	\$185,000
'16 CaseIH MAG 200, 3234 hrs	\$72,500
'15 CaseIH MAG 200, 2195 hrs	\$99,000
'15 CIH Steiger 420 RowTrac, 2195 hrs	\$237,000
'14 CaseIH Puma 185, 2589 hrs	\$79,000

USED GRAIN DRILLS

'14 CaseIH Prec. Disc 500	\$163,000
International 7100 50' Hoe Drill..	\$12,500
CaseIH 7100 30' Drill	\$6,500
CaseIH 7100 28' Drill	\$5,500
CaseIH 7100 28' Drill	\$5,000

USED HEADERS

'17 MacDon FD75-40' Flex Draper	\$65,000
'16 MacDon FD75-40' Flex Draper	\$63,000
'15 MacDon FD75-40' Flex Draper	\$62,000
'14 MacDon FD75-40' Flex Draper	\$59,000
'14 MacDon FD75-45' Flex Draper	\$46,000
'14 Shelbourne SCV 36' stripper	\$49,000
'13 CaseIH 2162-40' Flex Draper	\$39,500
'12 MacDon FD70-40' Flex Draper	\$39,500
'10 CaseIH '10-30'	\$17,500
'09 JD 635D Draper	\$16,500
'04 CaseIH 1010-30' Header	\$10,500
'98 CaseIH 1010-30' Header	\$9,500
'96 CaseIH 1010-30' Header	\$9,500
'95 CaseIH 1010-30' Header	\$9,500
'94 JD 930	\$1,750
'91 CaseIH 1010-30'	\$6,500
'91 CaseIH 1010-20'	\$4,000
'90 CaseIH 1010-25'	\$5,500
'83 JD 224 GRAIN	\$1,000
JD 1253A Row Head	\$19,500

USED CORN HEADS

'18 JD 712C 12R	\$77,500
'13 CaseIH 3412 12R	\$32,500
'13 CaseIH 3208 8R	\$29,500
'12 CaseIH 2612 12R	\$39,500
'12 Drago 830 Series I	\$27,000
'11 Drago 830 8R	\$26,000
'11 JD 612C 12R	\$28,500
'08 JD 612C 12R	\$10,500
'07 CaseIH 2412 12R	\$23,500
'94 CaseIH 1083 8R	\$8,500
'93 CaseIH 1083 8R	\$10,500
'92 CaseIH 1083 8R	\$6,000
'86 CaseIH 1083 8R	\$6,500

USED BALERS

'14 CaseIH RB565	\$27,500
'14 New Holland RB560	\$24,500
'04 New Holland BR780	\$9,500
'02 CaseIH RBX561	\$8,500
'01 New Holland 688	\$9,500

NEW SPRAYERS

CaseIH Patriot 4440, 1200 gal, 120' boom	CALL
CaseIH Patriot 3340, 1000 gal, 100' boom	CALL

NEW CASEIH TRACTORS

CaseIH Steiger 470 RowTrac	CALL
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CaseIH Steiger 420, 462 HP	CALL
CaseIH Steiger 420 RowTrac	CALL
CaseIH Magnum 380 CVT Rowtrac	CALL
CaseIH Magnum 380 CVT, 315 HP .	CALL
CaseIH Magnum 310 CVT	CALL
CaseIH Maxxum 150 w/ ldr, 125 HP	CALL
CaseIH Maxxum 145 w/ ldr, 120 HP	CALL
CaseIH Maxxum 135 w/ ldr, 110 HP	CALL
CaseIH Maxxum 125 w/ ldr, 105 HP	CALL
CaseIH Farmall 120A w/ ldr, 96 HP .	CALL
CaseIH Farmall 120U w/ ldr, 99 HP .	CALL
CaseIH Farmall 75A w/ ldr, 60 HP ...	CALL
CaseIH Farmall 35C w/ ldr, 28 HP ...	CALL

NEW CASEIH COMBINES

2020 CaseIH 8250	CALL
2019 CaseIH 8250 and 7250	CALL

NEW CORN HEADS

Drago 1230GT-12R Corn Head ...	\$95,000
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NEW CASEIH PLANTERS

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CaseIH 1225-8R30 Planter	CALL

NEW CASEIH AIR SEEDERS

CaseIH Precision Disc 500T Air Seeder	CALL
CaseIH Flex Hoe 400 Air Seeder	CALL

NEW BALERS

(2) CaseIH RB565 Premium Round Balers	CALL
(4) New Holland 560 Round Balers .	CALL

NEW TILLAGE

CaseIH 34' Tru Tandem 335 Turbo .	CALL
CaseIH Ecolo-Til 2500 9 Shank Ripper	CALL
Sunflower 1436-36' Disc	CALL
Sunflower 1234-27' Disc	CALL
Sunflower 3040-28' Fallow King..	\$35,000
Orthman FM7-49' Fallowmaster ..	\$63,000
Orthman FM3 6-42' Fallowmaster	\$57,000
Orthman FM3 5-35' Fallowmaster	\$42,500
Great Plains 9540 Plains Plow....	\$55,000
Blue-Jet 3 bar Trackmaster	\$4,350
Orthman 369-200 Track Tiller	\$11,500
Patriot 3 bar Pivot Track Closer	\$4,500
Great Plains 3000-30' Turbo Max	\$61,500
Landpride DH1572 72' Disc Harrow	\$2,500

NEW SKID STEERS

Bobcat S595, 74 HP	CALL
Bobcat S740, 74 HP	CALL
Bobcat T870 Track, 100 HP	CALL
CaseIH SV185, 60 HP	CALL
CaseIH SV280, 74 HP	CALL
CaseIH SV340, 84 HP	CALL

Kubota SSV75, 72 HP	CALL
Kubota SVL95-2S Track, 96 HP	CALL

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Kubota M7-151S-PS w/ LM2605 ldr.	CALL
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Kubota L2501HST w/ LA525 ldr.....	CALL
Kubota M6-141DTC-F W/ LA2255 ldr	CALL
Kubota L3901HST W/ LA525 ldr.....	CALL
Kubota B231HSD W/ LA435 HDR ...	CALL

NEW HAY EQUIPMENT

Enorossi RR350-9 rotary rake.....	\$3,900
Kubota RA1035 rotary rake.....	\$6,850
Haybuster 2660 Bale Processor ..	\$20,500
Haybuster 2665 Bale Processor ..	\$24,900
Highline CFR650-100 Processor..	\$21,500
Highline CFR651-100 Processor..	\$22,000
Highline CFR650-200 Processor..	\$25,900
Highline CFR651-200 Processor..	\$27,300
Haybuster H1130 Tub Grinder	\$75,500
Haybuster H1030 Tub Grinder	\$64,500
H&S 1460 wheel rake	\$18,000

NEW GRAIN CARTS

Kinze 1305, 1300 Bush	\$84,500
Kinze 1105, 1100 Bush	\$86,500
Demco 1050, 1000 Bush	\$46,000

NEW FERTILIZER EQUIPMENT

Orthman 8R30 1 TRIPR	\$38,000
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Enduraplas Triple Cone Trailer	\$12,000
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Enduraplas Double Cone Trailer	\$9,250
Yetter 2000 gal. All Steer cart	\$15,900
Yetter 1600 gal. All Steer cart	\$14,900
Ag spray Double Cone Tanks	\$8,900
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NEW GRAIN DRILLS

Sunflower 9435-40' Dril	CALL
Great Plains 3S-3000HD-3610 Folding Drill	CALL
Landpride APS1572 All Purpose Seeder ..	\$5,950
Crustbuster 4740AP Drill	CALL

NEW MOWERS & SHREDDERS

Landpride RCR1872 6' Rotary Cutter	\$2,150
Landpride RCM3715 15' Mower ..	\$18,500
Landpride RCM3615 15' Mower ..	\$13,500
Landpride RC2512 12' Mower	\$11,500
Rhino TS10 10' Mower	\$10,500
Rhino 4150 15' Folding Mower	\$21,500
Rhino TS12 12' Mower	\$14,800

NEW FUEL TRAILERS

Thunder Creek FST 990 gal.....	\$20,500
Thunder Creek FST 750 gal.....	\$20,000

NEW AUGERS

Westfield MKX 13X74	\$19,900
Westfield WCX1535FLTD	\$9,850
Westfield MKX 10X73	\$11,900
Westfield MKX 10X31	\$4,950



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AGRICULTURE

Kansas Hay Market Report

Hay market trade is slow to moderate, demand was slow to moderate, and prices remain steady. Drought continues to plague the western regions of the state. According to the U.S. Drought Monitor, a new sliver of extreme drought (D3) was added in southwestern Kansas, where several locations have reported less than one-half inch of precipitation since September 1. Reported precipitation values are less than 15% of normal. In the driest areas, winter wheat has struggled to emerge and become established, with the recent cold wave being a complicating factor. The Kansas Forage and Grassland Council is having their annual conference on December 10 in Wichita. Visit their website at www.ksfgc.org for more information and registration. If you have any extra hay to sell and/or need hay here in Kansas, use the services of the Internet Hay Exchange: www.hayexchange.com/ks.php.

Southwest Kansas

Dairy alfalfa, ground/delivered steady, grinding alfalfa steady to 5.00 higher; movement slow to moderate. Alfalfa: horse, premium small squares 235.00-245.00. Dairy 1.00-1.05/point RFV, Supreme 185.00-226.00, Premium 170.00-195.00, Good 160.00-170.00. Stock or Dry Cow 160.00-170.00. Fair/Good grinding alfalfa, 110.00-125.00. Ground and delivered locally to feedlots and dairies, 150.00-160.00. Sudan: large rounds 55.00-65.00. Wheat straw: large rounds 40.00-50.00, large squares 65.00-75.00 delivered. The week of 11/17-11/23, 8,591T of grinding alfalfa and 1,631T of dairy alfalfa was reported bought/sold.

South Central Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, alfalfa pellets, steady; movement slow to moderate. Alfalfa: horse, small squares 210.00-220.00. Dairy, 1.00-1.05/point RFV, Supreme 195.00-225.00, Premium 175.00-200.00, Good 165.00-175.00. Stock cow, 130.00-150.00. Fair/Good grinding alfalfa, 95.00-105.00. Ground and delivered locally to feedlots 135.00-145.00; Alfalfa pellets: Sun cured 15 pct protein 200.00-205.00, 17 pct protein 205.00-220.00, Dehydrated 17 pct 300.00-310.00. Grass

Hay: Bluestem, good small squares 7.00-8.00/bale, large rounds 60.00-70.00, large squares 75.00-85.00. Brome, small squares 7.00-8.00/bale, large rounds 100.00-110.00, lesser quality 70.00-80.00. Sudan: large rounds 65.00-75.00. Oat hay, 80.00-85.00. Teff: mid to large squares 140.00-160.00. Wheat Straw: small squares 5.50-6.50/bale, large squares 70.00-75.00, large rounds 55.00-65.00. The week of 11/17-11/23, 8,635T of grinding alfalfa and 863T of dairy alfalfa was reported bought/sold.

Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady; movement slow. Alfalfa: horse or goat, 230.00-250.00. Dairy 1.00-1.05/point RFV. Stock cow 160.00-170.00. Fair/Good grinding alfalfa, 115.00-125.00. Ground and delivered, none reported; Grass hay: Bluestem, small squares 130.00-140.00, good, mid squares 120.00-140.00, large squares, 100.00-120.00, large rounds 60.00-70.00. Brome, good, small squares 125.00-150.00, mid to large squares 120.00-135.00, large rounds 90.00-100.00, lesser quality 75.00-85.00; Wheat Straw: mid and large squares 60.00-80.00, large rounds 55.00-65.00. The week of 11/17-11/23, *2,596T of grass hay was reported bought/sold.

Northwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: Horse or goat, 205.00-215.00. Dairy, Premium/Supreme 1.00-1.05/point RFV. Stock cow, fair/good 150.00-160.00. Fair/good grinding alfalfa, 100.00-110.00. Ground and delivered locally to feedlots and dairies, 125.00-135.00.

North Central-Northeast Kansas

Dairy alfalfa, grass hay, grinding alfalfa, ground/delivered steady; movement slow to moderate. Alfalfa: horse, premium small squares 9.50-10.50/bale. Dairy 1.00-1.05/point RFV, Supreme 185.00-210.00, Premium 170.00-195.00, Good 160.00-170.00. Stock Cow, 150.00-160.00. Fair/good, grinding alfalfa, 110.00-125.00. Ground and delivered 130.00-160.00. Grass hay: Bluestem, small squares 7.00-8.00/bale, mid to large squares 85.00-100.00, large rounds 75.00-85.00. Brome, small squares 7.50-8.50/bale, mid to large squares 115.00-150.00, large rounds 80.00-95.00; Sudan, large rounds 55.00-66.00. Wheat Straw: small squares 5.00-6.00/bale delivered, large squares 100.00-110.00 delivered, large rounds 60.00-70.00. The week of 11/17-11/23, 234T of grinding alfalfa and 450T of dairy alfalfa was

KCA to host regional meeting in Junction City

Kansas Cattlemen’s Association (KCA) will host a regional meeting on Thursday, December 5, 2019 at 6:00 p.m. in Junction City. The meeting will be held at the Hampton Inn, 1039 S. Washington St., in the conference room. A free USA-Beef meal will be served.

Dr. Dave Rethorst of Beef Health Solutions will provide a presentation on animal health. He will discuss rethinking vet-

erinary care while providing pertinent information regarding herd health management. He will dive into focusing on animal husbandry techniques to offset vaccination and antibiotic overusage.

James Pinegar will discuss his role as a Kansas Brand Investigator. He will review the status of cattle rustling in Kansas and surrounding states, explore ways to prevent becoming a victim of thieves,

and explain investigations following a theft event.

KCA events provide you the opportunity to hear cattle industry information, meet with other independent cattle producers, and learn about the Kansas Cattlemen’s Association. Please feel free to invite your neighbors and friends to come along. The presentations and supper are free and open to the public. Proud sponsors making the free meal possi-

ble include: Rawhide Portable Corral, J.C. Livestock Sales, Wildcat Feeds, Tasker Trucking, Key Feeds, State Auto Farm & Ranch Insurance, Herd Solutions Feed, Geary Grain. To ensure enough food for everyone, we ask that you RSVP by calling 785-238-1483.



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Study says Americans still order burgers but are influenced by new factors

U.S. consumers still order more hamburgers than any other menu item when they dine out, but the reasons behind their buying decision are influenced by new factors including ethnicity, age/generational group and levels of health/social consciousness, according to a new report from the NPD group.

Additionally, the firm, which has tracked American eating patterns for 34 years, said that new dining trends will affect both the food and beverage industries in coming years, making it important for manufacturers and operators to understand the trends to stay ahead of the curve.

The report also offered these additional insights:

16% of consumers regularly use plant-based alternatives like almond milk, tofu and veggie burgers. 89% of this group does not consider themselves vegan or vegetarian.


More than 460 billion in- and away-from-home eating and drinking occasions took place in 2018.

Visits to Quick Service Restaurants (QSRs) are up 630 million compared with levels in 2014, while total annual restaurant visits are down by more than 700 million in the

same period.

19% of grocery shoppers now order their foods online

with that figure expected to climb to 22% between 2017 and 2020.



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CATTLE SALE EVERY WEDNESDAY: 11:30 AM
SELL HOGS 1ST & 3RD
WEDNESDAY OF EVERY MONTH
11/27/19 SALE RESULTS



THERE WAS NO SALE HELD WEDNESDAY, NOVEMBER 27 DUE TO THANKSGIVING

FALL CALF SALE: DECEMBER 4

- 160 mostly blk strs, 850-875#
- 124 mostly blk strs, 876-900#
- 60 mostly blk strs, 900#
- 60 mostly blk strs, 900#
- 110 blk hfrs, home raised, long wean, 2 rd shots, 900#
- 40 blk strs, home raised, shots, 500-600#

MORE CATTLE BY SALE TIME

SPECIAL CALF SALE JANUARY 8TH

THURSDAY, JANUARY 16 • 6:00 PM
Zoetis will be putting on a BQA Certification meeting. Meal provided.

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

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Bob Kickhaefer, Cell - 785-258-4188 • Trevin Koehn, 620-381-0919

reported bought/sold.

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

**CWF Certified Weed Free*

**RFV calculated using the Wis/Minn formula.*

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

Source: Kansas Department of Agriculture - Manhattan, Kansas, Kim Nettleton 785-564-6709. Posted to the Internet: www.ams.usda.gov/mnreports/DC_GR310.txt

LONNIE WILSON'S UPCOMING AUCTIONS

CONSIGNMENT SALE
601 S Broadway, Salina
Saturday, Dec 7, 10 am
Now taking consignments

ESTATE GUN AUCTION APPX 150 GUNS
411 E Walnut, Salina **Sunday, Dec 15, 1 pm**



View auction bills with pictures at www.soldbywilson.com

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THIS IS A WORK IN PROGRESS, MORE ITEMS ARRIVING DAILY

LONNIE WILSON'S CONSIGNMENT AUCTION

SATURDAY, DECEMBER 7, 2019 — 10:00 AM
601 South Broadway, SALINA, KANSAS
ACCEPTING CONSIGNMENTS UNTIL THURSDAY, DEC 5, 2019
Sellers include: El Dorado National * GPAC * Chisholm Trail Outfitters LLC * Triplett Inc
*** Frese Estate * Willard Estate ***

TRUCKS, TRAILERS: 1972 Load King mod. 352DFP Automatic Folding Gooseneck trailer (Hydraulic Detach Lowboy trailer) w/self-contained wet kit * 1980 W-W triple axle gooseneck trailer w/26' x 8' deck.

CLASSIC CARS & TRUCKS: 1954 Ford Ranch Wagon 2-door * 1954 Chevrolet Bel Air 2-door (currently without engine & transmission, selling separately with lots of other parts) * 1956 Chevrolet 4x4 customized pickup w/lift kit, 454 engine, tagged 'Big Willy', \$5,000 work by Precision Motors & digital dash.

TRACTORS, IMPLEMENTS: Land Pride RC3712 batwing rotary mower * 3-pt 7' rotary mower * 3-pt Cosmo s-400-P-UW poly fertilizer spreader w/PTO shaft * 3-pt Ferguson 2-bottom plow * 3-pt cultivator.

FARM EQUIPMENT: Rubbermaid stock tank * 4' farm gate * roll of drain tile.

SADDLES: Action Company saddle, lariat * pr matching saddles complete.

CARS, PICKUPS: 2013 Chevrolet Equinox 4-cyl 2.4L engine FWD (bank repo) * 2009 Ford F-150 XLT 4x4 standard cab step side pickup V-8 5.4L engine (bank repo) * 2008 Pontiac G6 sedan V-6 3.5L engine (bank repo) * 2007 Audi A4 sedan w/dark tint windows & moon roof 4-cyl 2.0L engine * 2002 Pontiac Grand Am sedan L4 2.2L engine * 1999 Buick Park Avenue 1-owner 33k miles V-6 3.8L engine * 1995 Buick Park Avenue sedan V-6 3.8L engine * 1993 Jeep Cherokee 6-cyl 4.0L engine (off-road special, \$10,000 worth of parts including custom front winch bumper, skid plates, rock rails, frame strengthening, radios, driving lights, Safari snorkel air intake, special seals, wheels, tires, lots more) * 1985 Lincoln Continental sedan V-8 5.0L engine (bank repo).

BATTERIES - TIRES – RIMS – SEATS - PARTS: BATTERIES: batteries (batteries ElDorado pulled from new vehicles and upgraded).

MOWERS, YARD EQUIPMENT: Shindaiwa gas straight shaft line trimmer * Mantis gas mini tiller.

GUNS: Remington mod. 700 17 REM cal bolt action rifle ser # 238172 * Beretta mod. PX4- Storm 40 S&W cal semi auto pistol w/extra mag & grips NIB ser # PY121868.

HUNTING EQUIPMENT: High-Tech Tackle Polar Escape X-press ice fishing shelter on sled * 2 racks of hunting clothes * barrel full of fishing poles * 2 compound bows w/quivers, arrows, bag, etc * 110 Mil-Dot NSN:8140-01-347-8121 shipping and storage containers (mortar cans) * 3 tubs military boots * asstd ammo cans * work bench * several tables miscellaneous from gun shop.

INDUSTRIAL & CONSTRUCTION EQUIPMENT: Hobart Mega Arc 300 G welder in pickup box trailer w/leads 300 amps 40 volts Ford gas engine 3 KVA (used as pipe line welder) * (4) sections 20" diameter gas line pipe 21' – 26' long * (46) sections 8" diameter gas line pipe 12' – 23' long * (4) scaffolding panels with X-braces & 4 wheels * (2) sections 10' x 30" Rapistan roller conveyor.

STORAGE BUILDING: 8' X 10' storage building with full height walls.

NEW OVERSTOCKS & RETURNS: Consignment of a trailer load of NEW residential lights, comforters, sheet sets, suitcases, etc.

BUILDING SUPPLIES: Full set of kitchen cabinets w/granite counter top and appliances. Includes all end panels, trim, etc w/double sink, Kitchen Aid Superba convection/microwave double oven, GE Monogram gas range w/griddle, Kitchen Aid warming oven, Kitchen Aid 2-drawer dishwasher, Kitchen Aid trash compactor * pallet of commercial flooring roll ends * used toilets & vanity sinks w/faucets.

TOOLS: 20' aluminum ext adder * 14' aluminum straight ladder * Troy-Bilt 2700 & 2800 PSI power washers * Power Pack gas powered generator * Lincoln AC 225 Amp arc welder * Chicago Electric Flux 125 wire welder w/cart * pr car ramps * 6' fiberglass step ladder * receiver hitch * propane bottles * floor jack * Master 60,000 BTU space heater * Dura Last 2-ton folding engine hoist * US General 4-drawer roller cart * red parts cart * work bench.

RESTAURANT EQUIPMENT: Howard 3-door cooler * ice cream cabinet * Snack area booths * oil transfer pump.

HOUSEHOLD APPLIANCES: Bosch dishwasher * GE electric range * Kenmore chest freezer * Roper side-by-side refrigerator bisque * Whirlpool Estate electric dryer * Kenmore Elite washing machine * Frigidaire refrigerator * Kenmore side-by-side refrigerator w/water & ice through door * Whirlpool & Kitchen Aid space saver microwave ovens * Maytag Centennial washing machine * LG Inverter Direct Drive washing machine * Hamilton Beach roaster oven in box * Browne-Holca stainless steel chafer * Krups beer tender dispenser.

MUSICAL INSTRUMENTS: Mason & Hamlin square pump organ * CMT acoustic guitar * Ibanez electric guitar w/Ibanez amp * electric guitar w/California CG-15 amp.

EXERCISE & SPORTS EQUIPMENT: Ping-Pong table * His & Her Marquis 3-speed touring bikes * Pacific Evolution mountain bike.

COLLECTIBLES: Sports cards & memorabilia.

FURNITURE, MISCELLANEOUS: Office chairs & tables * cabinet w/locking internal storage * china cabinet w/matching sideboard * set/3 matching cabinets * drop leaf dining table w/8 chairs * 3 old trunks.

AND MUCH, MUCH MORE NOT LISTED! There is a 10% Buyer's Premium on this sale.





Text SOLD to 5STAR (57627)

For Latest Update & Pictures go to website:
www.soldbywilson.com

Any announcement made the day of sale takes precedence over any printed matter.

CLASSIFIEDS

CLASSIFIED AD DEADLINE IS 10:00 A.M. FRIDAY

Although complete name, address and phone number need not appear in your ad, we must have this information for our records.

Name: _____ Phone #: _____

Address: _____ City: _____ State: _____ Zip: _____

WRITE YOUR AD HERE



RATES AND DISCOUNTS

FIGURE YOUR COST HERE:

RATE: 65¢ a word.

Number of words: _____ @ 65¢ each

Cost for one week: _____

Multiply one-week cost times number of weeks you want ad to run.

Run ad _____ **consecutive weeks.**

CLASSIFICATION: _____

Cost for _____ **weeks:** _____

DISCOUNTS: (For PRE-PAID orders only)

deduct 10% if ad runs 2 or 3 weeks;

deduct 25% if ad runs 4 weeks.

Less discounts: _____

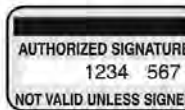
TOTAL: \$ _____

PAY WITH (PLEASE CIRCLE ONE):

CHECK MASTERCARD VISA DISCOVER

Card No. _____ **Exp. Date** _____

V-Code _____ **(required) last 3 digits (see sample: 567) located on the back of your credit card on the signature panel.**



Signature: _____

CLASSIFICATIONS

CATTLE	GOAT
SWINE	SHEEP
HORSES	POULTRY
FERTILIZER	TRAILERS
FEED & SEED	MACHINERY
AUTOMOTIVE	EMPLOYMENT
REAL ESTATE	ANTIQUES
SERVICES	PASTURE
IRRIGATION	WANTED
HARVESTING	PETS
LIVESTOCK OTHER	
LIVESTOCK EQUIPMENT	
BUILDINGS-BUILDING MATERIALS	
BINS - DRYERS - VACS	
MOBILE HOMES	
SPRAY EQUIPMENT	
BUSINESS OPPORTUNITIES	
WELDING	
MISCELLANEOUS	

REMINDERS

- Please notify us of any errors at once. We cannot be responsible beyond the first insertion.
- **NO REFUNDS!**
- **BY PHONE:** Ads not accompanied by payment have \$1.00 billing charge added, and discounts are not available.



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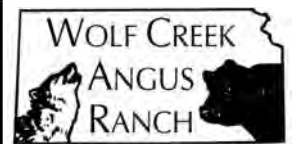
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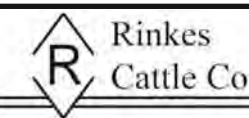
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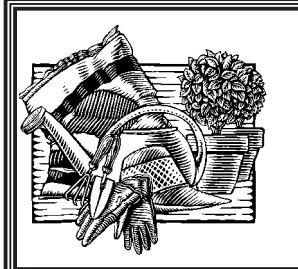
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By Gregg Eyestone

Indoor Plant Decorations

It is the season for getting holiday plants and caring for
them. Amaryllis, poinsettia, holiday cacti, Kalanchoe, and others
brighten up indoor space. Long-lasting plants will need good
watering practices and proper indoor placement.

Amaryllis like day temperatures in the 70s and night tempera-
tures in the 60s. The flower bud may start to appear right away or
the plant may remain dormant for a period of time, but eventually
all mature bulbs do bloom. Water thoroughly and place the plant
in a warm, sunny location. Move the plant to a cooler location
and out of direct sunlight when the flower buds begin to show
color so the flowers last longer. Amaryllis can remain in bloom
for about a month.

Poinsettias need a sunny window or the brightest area of the
room, but don't let it touch cold window panes. The day tem-
perature should be around 70 degrees with 60 to 65 degrees at
night. Temperatures above 75 degrees will shorten bloom life,
and below 60 degrees may cause root rot. Move plants away from
drafty windows at night or draw drapes between them to avoid
damage from the cold. Poinsettias are somewhat finicky in regard
to soil moisture. Keeping potting media moist but avoid overwater-
ing which is likely to kill the plant.

Holiday cacti prefer bright indirect light. Too much sun can
result in the leaves turning yellow. Common household tem-
peratures are fine. Soil should be kept constantly moist but not
waterlogged. Give them a light fertilization every other week.
Blooming will normally cease in late winter to early spring, but
continue to keep them moist and fertilized until the following fall.

Kalanchoes do best with an abundance of light. Thorough
watering with the media allowed to dry out between applications
suits these plants. They tolerate a wide range of indoor tempera-
tures.

Enjoy these holiday plant decorations along with all the rib-
bons and bows.

*You can find out more information on this and other horticul-
ture topics by going to the Riley County, K-State Research and
Extension website at www.riley.ksu.edu. And you can contact
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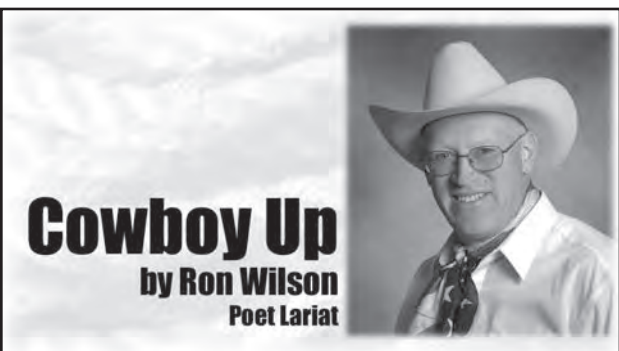
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Western Stars

Who was Hollywood's first big western movie star? He starred more than a century ago in the silent movie era, so perhaps not many people today know the name: Tom Mix. However, his influence can still be seen today.

Readers may recall that I recently taught an adult class on Kansas cowboy history and poetry. In preparing for that class, I learned about Tom Mix's significant contributions to western lore.

Tom Mix grew up in rural Pennsylvania where his father managed a stable for a wealthy lumberman. His father taught

him to love horses and ride them well.

Young Tom wanted to go west and become a cowboy. He went to Oklahoma and learned to rope and shoot. Tom was hired on with the Miller Brothers 101 Ranch in Oklahoma. When the 101 started putting on its own live Wild West shows, Tom Mix was featured.

In 1910, a film producer wanted to make a documentary titled *Ranch Life in the Great Southwest*. He hired Tom Mix to provide and handle horses. Mix did so well that the producer featured him

in the documentary, and then cast him in the lead of fictional western action movies. They were a huge success.

This was the era of silent films. Dashing young Tom Mix made a fine figure on the silver screen, and his skills in roping, riding and shooting made for dramatic action. He would end up making almost 300 movies.

Three things about Tom Mix's work would set the pattern for many of the western stars who followed. First, he wore gaudy, elaborate clothes. In the Wild West shows, he had worn flashy clothing to get attention, and the contrasting shades of these outfits showed up in the black-and-white films also. Second, speaking of contrasts, the plot of his movies always painted a stark difference between the good guys and the bad guys. These were morality plays, where the bad guy was an awful villain and the good guy in the white hat always won. Third, this was the first time when the hero's horse would become a

star in his own right.

Tom Mix had a mount named Tony the Wonder Horse, recognizable by his white-stockinged back feet. Tony could do all kinds of amazing tricks. He could untie ropes, race trains, jump cliffs, and often rescue his master. Tony became so popular that he got thousands of letters of fan mail at the studio. Fans would mail him sugar cubes, for example. When Tom Mix put his handprints in the cement at Grauman's Chinese Theater in Hollywood, Tony's hoofprints were placed right next to them.

Think of what an influence Tom Mix had on future generations of cowboys. Without Tom Mix and Tony, would Roy Rogers have had Trigger and the Lone Ranger had Silver? Young Gene Autry and others would watch and be influenced by the stories of the incorruptible good guy cowboy.

Tom Mix liked to do his own stunts, which made for realistic action but would ul-

timately become his downfall. He was frequently injured. His nose was broken and he was hit in the throat to the point that his voice was not good.

When sound came to the movies in 1929, Tom Mix's voice did not transfer well to the talkies. As a silent movie star he had made millions, but his career essentially ended

with the advent of sound.

In 1940, Tom Mix died in a car wreck in Arizona. The marker which was placed at the spot stated, in part, that his "characterizations and portrayals in life served to better fix memories of the old West in the minds of living men."

Thank you, Tom Mix.

In the Mix

Who was Hollywood's first big western star? It was Tom Mix who led the cowboy repertoire. He came west and took up the cowboy livin,' Roping and riding with great thanksgiving. He was featured in wild west shows, which were good, And then provided horses for films in Hollywood. He appeared in a ranch documentary in 1910, And did so well that his movie career could begin. His silent movie career began to climb, And he became the greatest western star of his time. He did 291 films by the time he was through, And his wonder horse Tony became a star too. He set the stage for western stardom with fast action and horse tricks, So we salute Hollywood's first western star, Tom Mix. Happy Trails! www.ronscowboypoetry.com © Copyright 2019

New bill will help preserve family farms

A bill recently introduced to help more farm families continue their livelihoods after the death of a loved one has the full support of the American Farm Bureau Federation. The Preserving Family Farms Act of 2019 is sponsored by Reps. Jimmy Panetta (D-Calif.) and Jackie Warlorski (R-Ind.).

"Farm and ranch families often face a significant financial burden when they have to pay estate taxes," said AFBF president Zippy Duvall. "Farm families should be able to pay based on how their land is

actually used, rather than its potential value as commercial property such as a shopping center. AFBF commends representatives Panetta and Warlorski for introducing the Preserving Family Farms Act of 2019, which will give more families hope they can hold

on to the farm when a loved one passes. We strongly urge House members to co-sponsor this important bill."

The legislation modernizes the special use valuation provision of the estate tax. This valuation allows property to be appraised as farmland

rather than its development value when determining estate taxes. Increasing the amount of farmland or ranch land that can be valued at agriculture value rather than development value would help protect family-owned farm and ranch businesses by assessing estate

taxes on the actual value of the businesses they have spent decades building.

"Allowing more farmland to qualify for special use valuation would elevate this provision of the tax code to its proper place as a helpful estate planning tool," Duvall said.

Innovative efforts of fisheries staff surge bass populations

A revolutionary fish stocking program by the Kansas Department of Wildlife, Parks and Tourism (KDWPT) has largemouth bass thriving in waters nearly void of America's highest-profile fish not long ago, and Kansas bass anglers are taking notice.

"The early-spawn program is a real game-changer for bass fishing," said Steve Hausler, a 50-year bass angler of Ellis and officer in bass clubs on the state and local level. "This is one of the few times man has figured out how to do something better than nature. It's really turned things around."

KDWPT's early-spawn bass program "tricks" hatchery brood fish to spawn up to 60 days earlier than normal when in the wild. The added time gives young stocked bass the chance to grow to a size that can survive a Kansas winter.

Now, the number of federal reservoirs with "good" or "excellent" largemouth fishing by KDWPT criteria has doubled in the last decade. It's just one of several programs currently improving Kansas fishing opportunities.

"It's been all hands on deck to get these programs going, and so successful," said Doug Nygren, Fisheries Division director for KDWPT. "Credit needs to go to a lot of different people." Nygren added lake biologists, hatchery staff and private conservation and angling groups as making major contributions.

Early-spawn bass program Despite intensive stocking programs in the past, many Kansas reservoirs maintained relatively poor largemouth

bass populations for decades. It wasn't until recent years, when KDWPT fisheries biologists began taking an even more critical look at the situation that the limiting factors were identified.

"The problem was our young bass weren't big enough to make it through the winters because they weren't really big enough to take advantage of available food. Most were only four to five inches," said Nygren. "We learned if we could grow those fish to about eight inches, their odds of survival were greatly improved."

Meade Fish Hatchery manager Jason Vajnar learned to manipulate water temperatures and light levels to trick February and March brood fish into thinking it was late May, stimulating the fish to spawn up to two months early.

"We're now stocking 1.5- to 2.5-inch bass before wild fish have even hatched," said Nygren, "And we're finding many more of our stocked bass now survive their first winter. After that, they're in good shape."

Now in its tenth year, the early-spawn bass program produces nearly 2 million fish annually, having a profound impact on angling quality. From 2005-2009, Kansas averaged four reservoirs with "good" or "excellent" rankings for largemouth bass. This year, nine reservoirs – Big Hill, Glen Elder, Kirwin, LaCygne, Milford, Perry, Sebelius, Webster and Wilson – all earned "good" or better ratings; and, more are expected to be added for 2020 and beyond.

"In some of these lakes, like Webster and Kirwin,

probably every bass they have is an early-spawn hatchery fish. Bass were once almost non-existent in these areas and now they're two of the best bass lakes in the state," said Nygren. "We have other lakes coming on, too. Kanopolis never really had a bass fishery but it's pretty good, now."

Georgia cubes Quality bass habitat is always a concern, especially in Kansas reservoirs where natural habitat, like submerged brush piles, can quickly deteriorate. That's why in 2015, Kansas biologists began experimenting with artificial habitat, sinking four-foot cubes made of PVC pipe, interlaced with flexible sewer pipe, into lakes and reservoirs. As expected when they were invented in Georgia, the "Georgia cubes" instantly attracted Kansas bass and consequently, bass anglers.

Submerged in prime locations, the cubes are sometimes placed in clusters of up to 20 or more – configurations fisheries biologists refer to as "fish cities." The clusters – which can quickly introduce a significant amount of habitat in areas previously void of underwater structures – are expected to pay dividends for decades to come.

There are currently more than 2,000 cubes attracting fish in KDWPT-managed waters, with more being added every year. Anglers can obtain precise GPS coordinates for every cube/cluster at ksoutdoors.com/Fishing/Fishing-Reports.

Financing, constructing and placing the cubes wouldn't have been possible without the

support of area bass clubs, lake organizations and even Boy Scout troops interested in improving their local waters.

"B.A.S.S. Nation has been challenging local clubs to get involved in local projects. These cubes are perfect," said Hausler. "They're so easy to build and we can get three or four on a bass boat, take them out and place them. They've been a great way to get anglers involved."

Though highly successful, artificial fish habitat won't completely replace natural

structures, as many fisheries biologists still see benefits in sinking cedar brush piles and planting dense water willows in shallow areas.

But the progressive thinking of KDWPT Fisheries staff doesn't stop at habitat. Strides are also being made in the way of revitalizing forage fish populations in lakes and reservoirs in need. Threadfin shad have been successfully introduced at Horsethief Reservoir instead of common gizzard shad, a species which could have quickly overpopulated

the 450-acre lake.

Add to the mix newly flooded habitat created by this year's heavy rains, and these great programs become even better.

"It's kind of a perfect setup," said Nygren. "We should be experiencing some really great fishing in Kansas the next several years."

For more on fishing in Kansas, and to download an electronic version of the 2019 Kansas Fishing Regulations Summary, visit ksoutdoors.com/Fishing.

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Agronomy Night to be held Dec. 17 in Independence

On Tuesday, December 17th from 5:45 p.m. to 8 p.m., K-State Research and Extension Wildcat District will host 2019 Agronomy Night at Independence Community College-West Campus, 2615 W. Main St. This year will have K-State Canola Breeder Dr. Mike Stamm coming to speak about the opportunities and challenges of bringing canola to southeast Kansas. After that, James Coover, Wildcat's Crop production agent, will give a brief presentation on soil fertility and results around the Independence area.

Don't miss this exciting annual event that has been a part of Montgomery County and Wildcat District for a long time. The event is free and dinner will be provided. Sponsors include Bartlett Co-op, Frontier Farm Credit, Corner Post Crop Insurance, Community National Bank and Trust, Hometown Crop Solutions, Prairieland Partners, Roger D. Janzen Farm, and Caney Agri Service. Please call 620-331-2690 to let them know you are coming.

For more information, please contact James Coover, Crop Production Agent, jcoover@ksu.edu or (620) 724-8233.

Rep. Marshall encourages advances in weather forecasting

Accurate and timely weather forecasts are essential for the long-term success of Kansas farmers and ranchers. As ranking member of the Environment Subcommittee of the House Committee on Science, Space and Technology, U.S. Rep. Roger Marshall, M.D. has continued to advocate for advances in weather modeling and predictions, including partnerships with the private sector to ensure the U.S. remains at the forefront of forecasting.

"The impacts of severe weather events across this country have made it clear that the U.S. must continue to advance its work in this area — potentially changing the way it models and predicts severe weather and natural disasters," said Marshall. "Additionally, more prolonged weather effects, like drought and flooding, can also play a role in the success of many industries, including agriculture. The U.S. has slowly fallen behind other

countries in its ability to timely and accurately predict storms and weather events. That's not acceptable for our farmers, who rely on the weather reports to make planting and harvest decisions, nor rural families who need to know when to prepare for severe weather."

In 2017, Congress passed the Research Forecasting Innovation Act (the Weather Act) and reauthorized the National Integrated Drought Information System. The Weather Act was the first authorizing legislation to address weather forecasting in 25 years and prioritized improving weather data, modeling, computing, and forecasting. The legislation mandated the creation of the Earth Prediction Innovation Center (EPIC) to crowdsource the expertise of the private sector and research communities to improve forecasting models.

Recently, the House Committee on Science, Space and Technology, Environment

Subcommittee, heard testimony from experts on the work being done by EPIC and advances in forecasting models.

"I am proud of the work we have done on the Science, Space and Technology Committee to advance our understanding of weather and create public-private partnerships to utilize all available technologies and experts," said Rep. Marshall "The Federal Government should be doing more to utilize the resources of private companies and university researchers, who are often the leading sources of innovations. In addition to having world-class facilities and minds, private companies and academics are extremely flexible in research development and cost-effective in their methods. It is in the best interest of Kansas farmers, ranchers, emergency personnel, and every day residents to have more accurate forecasts."

Producers are thankful for the cattle markets this fall

By Stephen Koontz, Colorado State University
Fed-cattle, feeder-cattle and calf cash prices have all been stronger than expected through this fall. Live-cattle and feeder-cattle futures con-

tract prices have also shaken off the pessimism of abundant supplies compounded by the unexpected closure of the Tyson beef plant in southwest Kansas. How did the market turn this corner?

It is clearly the retailer who has helped the cattle market turn the corner on any pessimism from summer supplies and slaughter disruption. There does not appear to be any pushback from the con-

Dalebanks bull sale averages \$5360

After plenty of variability in weather and market conditions this fall, the Perrier family was blessed with a gorgeous fall day and steady prices for their 115th Anniversary Bull Sale Saturday, November 23 near Eureka.

141 registered Angus bulls averaged \$5360, selling to customers in Kansas, Missouri, Oklahoma, Texas and Colorado. 72 coming two-year-old bulls averaged \$5986 and 69 yearling bulls averaged \$4707. Over 200 attendees filled the Dalebanks Sale Facility and bidding was rapid, as Col. Jim Birdwell sold the bulls in just less than 90 minutes.

All high-selling bulls sold to repeat customers; with Lot 6, Dalebanks Arb Confidence 8370, topping the sale at \$11,000. Michael and Charles Madison purchased this standout herd sire for their operation near Lamar, Mo.

Case Cattle Co, Fairview, Okla., bought Lot 7, Dalebanks Weigh Up 8056, and Lot 1, Dalebanks Sure Fire 8042, for \$10,000 and \$9500 respectively.

Edmonds EZ Angus, Morris, Okla., got Lot 109, Dalebanks Tahoe 8320, for \$10,000.

Cherokee Ranch, Haskell, Okla., selected Lot 110, another son of Tehama Tahoe for \$9000.

Lindamood Ranch, Virgil, selected Lot 16, Dalebanks Niagara 8240, for \$9000.

Cory Vanderveen, Prairie View, bought Lot 82, Dalebanks Weigh Up 8341, for \$9000.

All the bulls traded in a range from \$2500-11,000, with 92% of the bulls selling in the relatively consistent range of \$3000-\$8000.

Customers continued to recognize the value of practical, profitable genetics that fit today's beef industry. The Perriers were grateful for the many customers, neighbors and friends who made this another tremendous day for their family.

U.S. pork can reduce overall U.S. trade deficit with China by nearly six percent

Securing zero-tariff access to China for U.S. pork would be an economic boon for American agriculture and the country, according to the National Pork Producers Council (NPPC). Based on an analysis by Iowa State University (ISU) Economist Dermot Hayes, NPPC says unrestricted access to the Chinese chilled and frozen market would reduce the overall trade deficit with China by nearly six percent and generate 184,000 new U.S. jobs in the next decade. NPPC recently launched a digital campaign to spotlight the importance of opening the Chinese market to U.S. pork as trade negotiations continue.

"Were it not for China's tariffs that are severely limiting access to American goods

and other restrictions, including customs clearance delays, U.S. pork could be an economic powerhouse, creating thousands of new jobs, expanding sales and dramatically slashing our nation's trade deficit. China's actions would unleash tremendous benefits to U.S. pork producers, our nation and Chinese consumers who rely on this essential protein," said Hayes.

According to Dr. Hayes' analysis, U.S. pork sales would generate \$24.5 billion in sales if U.S. pork gained unrestricted access to the world's largest pork-producing nation over ten years.

"The U.S. pork industry is missing out on an unprecedented sales opportunity in China when it most needs an

affordable, safe and reliable supply of its favored protein," said NPPC president David Herring, a hog farmer from Lillington, N.C. "The United States is the lowest-cost producer of pork in the world, but with 72 percent tariffs we are not nearly as competitive as Europe, Brazil, Canada and other nations."

Pork is a staple of the Chinese diet and a major element of the country's consumer price index. China's swine herd has been devastated by African swine fever, a disease affecting only pigs and having no human health or food safety risks, reducing domestic production by more than 50 percent and resulting in a mounting food price inflation challenge for the country.



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JUNCTION CITY, KANSAS • Barn Phone 785-238-1471

Seth Lauer 785-949-2285, Abilene

KARL LANGVARDT
Cell: 785-499-2945

MITCH LANGVARDT
Cell: 785-761-5814

LYNN LANGVARDT
Cell: 785-761-5813

Clay Center, Ks • Barn Phone 785-632-5566

Clay Center Field Representatives:

Tom Koch, 785-243-5124

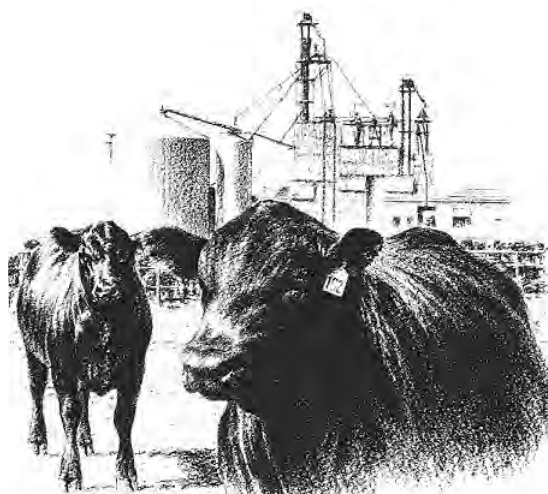
Lance Lagasse, 785-262-1185

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

NEXT SHEEP AND GOAT SALE: Sat., Dec. 7th • 10 AM

Expecting several bred ewes, both hair & wool breeds.



EMPORIA LIVESTOCK SALE CO.

Bonded & Insured

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

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

THERE WAS NO SALE HELD WEDNESDAY, NOVEMBER 27TH DUE TO THANKSGIVING!

CONSIGNMENTS FOR DECEMBER 4

- 70 blk strs, longtime weaned & 2 rds shots, 500-700 lbs.
- 35 mostly blk strs & hftrs, 60 days weaned, 2 rds shots & wormed, 550-800 lbs.
- 49 mostly blk strs, 775-825 lbs.
- 120 mix strs, 850-900 lbs.

PLUS MORE BY SALE TIME

UPCOMING SALE SCHEDULE:

Regular Sales:

December 4th • 11th • 18th

No Sales:

December 25th • January 1st

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

For Cattle Appraisals Call:

BRODY PEAK, 620-343-5107 GLENN UNRUH, 620-341-0607

LYLE WILLIAMS, Field Representative, 785-229-5457

WIBW 580 - 6:45 A.M. Thurs; KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.

To see more consignments go to: emporialivestock.com

**By Wendie Powell, livestock
production agent, Wildcat**

Setting pasture rent on a per-acre basis or a share of gain basis gives an incentive to the livestock owner to stock heavily. The landowner, on the other hand, may desire light stocking rates in order to preserve pasture quality. It is in the interest of both parties to develop a lease agreement that achieves maximum economic returns to all resources while maintaining the grass stand and quality.

When a landowner and tenant are making arrangements for a pasture lease, there are a few things to keep in mind.

Having a written contract, with an ending date, will help tremendously to keep everyone on the same page; and if one party becomes unavailable to carry out the contract, then family members can be clear on what the expectations were. The ending date is important because it gives the landowner and tenant a set time to review the contract and either go their separate ways, or renew the agreement. Furthermore, it's advisable to do a pasture walk so both parties are aware of what is in the pasture as far as forage quality, junk that may have accumulated, fence conditions and other such factors.

When writing the contract be sure to include which party will be responsible for maintaining the fences and watering systems. Write down who will be providing care for the livestock, who will be monitoring the pasture condition, etc. There are sample contracts available at each Extension office for your use.

Determining rental rates is

State export values published

USDA Economic Research Service (ERS) publishes state-level export statistics of selected commodities based on farm cash-receipts data. The statistics are reported annually from 2000 through 2018 on a value basis. In 2018, U.S. ex-

ports of animal products were reported to be more than \$30 billion. Iowa was the top exporter of animal products at \$3.4 billion followed by Texas at \$2.1 billion and California at \$1.9 billion.

Nebraska led all states in

not an exact science. Local demand and supply conditions, anticipated market conditions and even long-standing working relationships can have some bearing on rental rate negotiations. Other influences on rate is forage quality, stocking rate and length of grazing season.

There are a few tools that you can utilize to determine the proper leasing arrangement. K-State Research and Extension conducts surveys across the state to collect leasing information. Rental rates are surveyed, and broken out by forage type. Lease agreement practices are explored. Additionally, there is a decision tool offered to determine the value of your exact situation. Your local county Extension agents are available to do field visits and talk with you one on one to assist you with this process.

For more information, contact wendiepowell@ksu.edu, Livestock Production Agent, (620) 784-5337

USDA Economic Research Service (ERS) publishes state-level export statistics of selected commodities based on farm cash-receipts data. The statistics are reported annually from 2000 through 2018 on a value basis. In 2018, U.S. exports of animal products were reported to be more than \$30 billion. Iowa was the top exporter of animal products at \$3.4 billion followed by Texas at \$2.1 billion and California at \$1.9 billion. Nebraska led all states in beef export value at \$1.3 billion followed closely by Texas and Kansas at \$1.1 and \$1.0 billion, respectively. These three states accounted for approximately 40% of U.S. beef export value which was \$8.5 billion in 2018, according to

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**Sell
Or Buy**

Cattle

**By
Auction**

**STARTING TIME
10:30 AM**

Tuesdays

We sold 1289 cattle November 26. Steer and heifer calves that were weaned and had shots sold on a steady market. Feeder steers and heifer were steady to \$3.00 lower. Cows and bulls sold \$3.00-5.00 lower.

<p>STEER & BULL CALVES</p> <table border="0"> <tr><td>5 bwf str</td><td>505 @ 175.00</td><td>18 blk str</td><td>692 @ 139.50</td></tr> <tr><td>2 bwf str</td><td>453 @ 169.00</td><td>3 blk str</td><td>675 @ 137.00</td></tr> <tr><td>4 bwf str</td><td>409 @ 165.00</td><td>11 blk str</td><td>723 @ 137.00</td></tr> <tr><td>8 blk/char bulls</td><td>313 @ 162.00</td><td>9 blk str</td><td>888 @ 136.00</td></tr> <tr><td>3 blk str</td><td>508 @ 161.00</td><td>9 blk str</td><td>561 @ 135.00</td></tr> <tr><td>6 blk/red str</td><td>427 @ 160.00</td><td>4 blk/bwf str</td><td>730 @ 135.00</td></tr> <tr><td>3 sim/blk str</td><td>535 @ 158.00</td><td>26 mix str</td><td>761 @ 135.00</td></tr> <tr><td>2 bwf str</td><td>545 @ 158.00</td><td>8 blk str</td><td>991 @ 134.75</td></tr> <tr><td>3 blk str</td><td>512 @ 156.00</td><td>20 wf/bwf str</td><td>743 @ 134.00</td></tr> <tr><td>3 blk str</td><td>437 @ 153.00</td><td>3 blk str</td><td>628 @ 133.00</td></tr> <tr><td>2 blk/red str</td><td>428 @ 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STOCKER & FEEDER HEIFERS

74 blk hfr	682 @ 140.50
75 blk hfr	699 @ 140.50
5 blk hfr	564 @ 137.00
5 blk/bwf hfr	582 @ 137.00
13 blk hfr	560 @ 136.00
10 blk/bwf hfr	606 @ 134.50
42 blk hfr	809 @ 132.75
3 blk hfr	723 @ 129.50
9 blk hfr	860 @ 129.50
13 blk hfr	593 @ 125.50
12 blk/char hfr	559 @ 122.50
4 blk hfr	646 @ 118.00
4 blk hfr	840 @ 114.00

COWS & HEIFERETTES

1 blk hfrt	965 @ 101.00
1 bwf hfrt	980 @ 89.00
1 blk hfrt	1135 @ 85.00

BULLS

5 blk bulls	1161 @ 80.00
2 red bulls	2008 @ 75.50
1 blk bull	1815 @ 73.50
1 blk bull	1790 @ 71.00
1 blk bull	1405 @ 70.00
1 blk bulls	1940 @ 65.00
1 blk bull	1545 @ 63.50
1 char bull	1700 @ 63.00
1 blk bull	1715 @ 55.00
1 char bull	1815 @ 54.00
1 rn bull	1170 @ 50.00

STOCKER & FEEDER STEERS

179 mix str	857 @ 151.50
4 blk str	

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

FOR INFORMATION OR ESTIMATES:

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Website: www.rezaclivestock.com

AUCTIONEERS: DENNIS BEZAC & BEX ARB

Livestock Commission
Company, Inc.

St. Marys, Ks.

