

MANHATTAN

COMM. CATTLE AUCTION CO. INC. EVERY FRIDAY



1-800-834-1029
Toll-Free

STARTING 10:00 A.M. ON WEIGH COWS
FOLLOWED BY STOCKER FEEDERS — 11:00 A.M.

OFFICE PHONE 785-776-4815 • OWNERS JOHN & ANNETTE CLINE AND LEE & CINDY NELSON



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

ONLINE BIDDING AVAILABLE AT LMAAUCTIONS.COM

We had a larger run of cattle and a good attendance of local and out of state buyers for our sale held on Friday, March 31st. Light steers and heifers were in very good demand at steady to stronger prices. Stocker feeder cattle were finding very good interest at fully steady prices on the kind offering. Cull cows and bulls were also selling at steady prices on a large offering.

STEER CALVES — 300-550 LBS.

Melvorn	10 blk	431@269.00
Council Grove	18 blk	343@268.00
Baldwin City	11 blk	323@268.00
Lucas	10 blk	489@264.00
Wamego	8 blk	451@261.00
Baldwin City	4 blk	412@260.00
Whiting	8 blk	465@258.00
Easton	4 blk	503@250.00
Lucas	12 blk	540@248.00
Wamego	13 blk	489@246.00
Melvorn	7 blk	493@245.00
Lucas	12 Cross	481@244.00
Frankfort	5 Cross	350@242.00
St. George	8 blk	486@241.00
Blaine	4 blk	546@239.00
Lucas	5 Char	458@237.00
Potter	4 Herf	430@232.00
Lucas	4 Cross	393@231.00
Leonardville	4 blk	523@230.00
Potter	10 Herf	536@229.00
Delia	4 Cross	467@229.00
Tonganoxie	11 Cross	433@227.00
Lucas	12 Cross	471@211.00
St. George	6 Cross	544@211.00
Council Grove	4 Cross	420@192.00

STEERS — 550-1,000 LBS.

Easton	13 blk	578@256.00
Atchinson	8 blk	592@254.00
Waterville	12 blk	553@246.50
Marion	8 blk	639@245.00
Manhattan	5 blk	561@242.00
Leavenworth	6 blk	590@241.00
Wamego	19 blk	652@240.00
Waterville	36 blk	628@237.00
St. George	8 blk	566@229.00
Leonardville	16 blk	627@220.00
Whiting	9 blk	583@217.00
Blaine	4 blk	690@211.00
Manhattan	16 blk	597@210.50
St. George	10 blk	715@208.00
Waterville	21 blk	734@207.00
Hoyt	5 blk	688@207.00
Hoyt	14 blk	840@193.50
St. George	6 blk	883@190.50
St. George	4 blk	858@190.50
Waterville	8 blk	828@187.00
Blaine	5 blk	795@187.00
Marion	4 blk	762@186.00
Wamego	10 blk	791@185.50
Vermillion	5 blk	985@174.00
Council Grove	7 Cross	700@171.50

HEIFER CALVES — 275-550 LBS.

Baldwin City	13 blk	295@246.00
Council Grove	12 blk	331@233.00
Manhattan	7 blk	380@233.00
Waterville	10 blk	443@229.00
Manhattan	21 blk	471@229.00
Baldwin City	5 blk	352@228.00
Alma	12 blk	488@228.00
Waterville	24 blk	538@227.00
Lucas	20 blk	461@226.00
Wamego	8 blk	443@224.00
Spring Hill	6 blk	545@222.00
Whiting	10 blk	502@221.00
Manhattan	5 Cross	434@218.00
Lucas	11 Cross	483@216.50
Delia	17 Cross	513@215.00
Leonardville	6 blk	480@214.00
Wakfield	5 blk	433@214.00
Potter	9 Herf	420@213.00
St. George	10 blk	522@210.00
Lucas	6 Herf	538@209.00
Westmoreland	5 Cross	546@202.00
Hillsboro	14 Cross	495@193.50
Council Grove	5 Cross	463@177.00

HEIFERS — 550-1,000 LBS.

Alma	37 blk	559@231.75
Marion	9 blk	565@222.00

Lucas	23 blk	552@220.50
Wamego	5 blk	571@219.00
Blaine	4 blk	568@217.00
Wamego	17 blk	584@215.00
Manhattan	6 blk	576@215.00
Lucas	9 Cross	566@213.50
Leavenworth	9 blk	592@204.00
St. George	5 Cross	582@197.00
Meriden	6 blk	657@194.00
Whiting	5 blk	595@193.00
Leonardville	11 blk	593@192.00
Waterville	9 blk	663@191.00
Riley	11 blk	730@188.50
Manhattan	6 blk	735@188.00
Wamego	34 blk	751@187.00
Wamego	8 Cross	668@187.00
Wakefield	10 blk	688@187.00
Blaine	7 blk	670@186.00
St. George	5 blk	597@185.00
St. George	9 blk	684@185.00
Hoyt	4 blk	745@179.50
Wamego	36 blk	795@179.50
Wamego	4 blk	732@175.00
Vermillion	10 blk	821@174.50
Wamego	10 blk	834@174.00
Wamego	5 Cross	817@174.00
Soldier	8 Cross	631@174.00
Marion	4 blk	717@174.00
Alma	8 mix	874@170.00
Marion	6 blk	844@170.00
Riley	9 blk	904@167.00
Onaga	6 Herf	986@159.00

COWS & HEIFERETTES — 625-1775 LBS.

Junction City	1 blk	640@176.00
Olsburg	1 Cross	895@165.00
Junction City	1 Cross	970@15.00
Manhattan	1 blk	1050@144.00
Dwight	1 blk	995@127.00
Dwight	1 hrf	1015@110.00
Waterville	1 blk	1315@105.00
Riley	1 blk	1205@104.00
Riley	1 blk	1270@103.00
Emmet	1 blk	1315@102.00
Manhattan	1 blk	1190@101.00
Topeka	1 blk	1170@100.00
Alma	1 blk	1755@99.00
Riley	2 blk	1265@98.50
Whiting	1 blk	1500@98.00
Manhattan	1 blk	1250@97.00
Burlingame	1 blk	1210@96.50
Alma	1 blk	1470@96.00
Randolph	1 blk	1315@95.00
Topeka	1 blk	1345@94.00
Hillsboro	1 blk	1640@91.00
Waterville	1 blk	1155@90.00
Morrowville	1 blk	1020@89.00
Randolph	1 Cross	1205@88.50
Topeka	1 blk	1160@88.00
Riley	1 blk	980@88.00
Alta Vista	1 blk	1030@87.50
Alta Vista	1 blk	935@85.00
Onaga	1 bwf	995@84.00
Riley	1 blk	1090@83.00

BULLS — 975-2,150 LBS.

Manhattan	1 blk	995@144.00
Oskaloosa	1 blk	2135@123.50
Alma	1 blk	1860@122.50
Blaine	1 hrf	2010@121.00
Frankfort	1 hrf	1635@119.00
Pleasant Hope, MO	1 blk	1385@117.50
Enterprise	1 blk	1915@115.50
Delphos	1 bwf	1360@114.00

BABY CALVES

Onaga	1 blk	@560.00
Topeka	3 Char	@400.00
Alma	1 blk	@400.00
Mayetta	1 blk	@360.00
Topeka	1 bwf	@335.00
Mayetta	1 blk	@325.00

BRED COWS

AGE BRED	
Morrowville	8 blk 4 5-6 1775.00
Alma	2 blk 5 3 @1700.00
Morrowville	11 blk 5 4-6 @1625.00
Alma	6 5 3 @1575.00
Morrowville	9 Cross 4 4-6 @1550.00
Morrowville	5 Cross 5 4-5 @1525.00
Morrowville	4 blk 4-5 4-5 @1450.00

Morrowville	2 blk	3-5 6 @1325.00
Morrowville	2 blk	4-5 4-5 @1225.00

Results from our special sale held on Wednesday, March 29th:

1ST CALF HEIFER PAIRS

AGE	
Junction City	9 blk 2 @3000.00
Ada	8 blk 2 @2975.00
Ada	11 blk 2 @2900.00
Spivey	11 Ang 2 @2850.00
Junction City	10 blk 2 @2750.00
Junction City	10 blk 2 @2700.00
Junction City	8 blk 2 @2700.00
Spivey	10 blk 2 @2700.00
Ada	9 bwf 2 @2550.00
Junction City	8 blk 2 @2500.00
Ada	10 blk 2 @2500.00
Manhattan	6 bwf 2 @2350.00
Spivey	1 blk 2 @2350.00
Manhattan	12 blk 2 @2275.00
Ada	2 blk 2 @2250.00
Manhattan	12 blk 2 @2200.00
White City	10 blk 2 @1925.00
Manhattan	3 blk 2 @1875.00

BRED 1ST CALF HEIFERS

AGE BRED	
White City	10 bwf 2 3-4 @2150.00
White City	6 bwf 2 3-4 @2100.00
White City	15 blk 2 4 @2085.00

El Dorado	19 blk	2 3-4 @2060.00
Beloit	16 blk	2 3-4 @2000.00
White City	5 Rd Ang	2 3-4 @2000.00
White City	35 blk	2 3-4 @1950.00
Ada	7 Rd Ang	2 3-4 @1950.00
Spring Hill	5 blk	2 7-8 @1925.00
Ada	10 blk	2 3-4 @1875.00
Spring Hill	9 blk	2 7-8 @1850.00
Alma	5 Rd Ang	2 2-4 @1850.00
Ada	7 Rd Ang	2 3-4 @1850.00
Ada	14 blk	2 2-4 @1825.00
Ada	3 bwf	2 3 @1800.00
Ada	10 Rd Ang	2 3-4 @1775.00
Alma	5 Rd Ang	2 2-4 @1600.00

REPLACEMENT HEIFERS

Westmoreland	9 bwf	@1685.00
Dwight	25 blk	@1675.00
Dwight	19 blk	@1650.00
Westmoreland	49 blk	@1650.00
Dwight	11 blk	@1625.00
Dwight	73 bwf	@1600.00
Dwight	16 blk	@1585.00
Westmoreland	15 bwf	@1575.00
Dwight	7 blk	@1525.00
Dwight	10 blk	@1500.00
Dwight	20 blk	@1460.00
Wamego	9 blk	@1460.00
Westmoreland	15 Herf	@1460.00
Westmoreland	14 Red Ang	@1425.00
Dwight	15 blk	@1410.00
Wamego	7 blk	@1310.00

SPECIAL STOCK COW & BRED HEIFER SALE

WED., APRIL 12 • STARTING 11:00 AM

— ONLINE BIDDING AT LMAAUCTIONS.COM —

- 1ST CALF HEIFER PAIRS**
- 10 Fancy gentle Red 1st calf OCV hfrs with 35-40 day, mostly AI sired Feddes Silver Bow Red Angus calves by side. Calves and heifers have had all shots.
 - 10 Fancy gentle blk 1st calf OCV hfrs with 35-40 day, mostly AI sired calves by Tehama Tahoe blk Angus bull. Calves and heifers have had all shots.
 - 12 blk 1st calf hfrs with 45-60 day calves by side. Worked & grass ready.
 - 25 blk bwf 1st calf hfrs with 30 day old blk & bwf calves by side.
 - 25 gentle Blk Angus & SimAngus 1st calf OCV hfrs with Cline SimAngus sired 4-8 week calves by side. Calves & hfrs are banded, up to date on shots, & ready to go.
 - 10 big fancy Red Angus & Red SimAngus 1st & 2nd calf OCV hfrs with 40-60 day Red Angus sired calves.
 - 16 blk 1st calf frs with baby calves by side.
 - 8 blk 1st calf hfrs with 20-50 day Blk calves by side, Hfrs: Breedback and poured, Calves: Black-leg and banded
 - 8 Home raised Angus Limo cross 1st calf hfrs with 45 day Angus sired.
 - 40 Choice reputation Blk & BWF 1st calf hfrs with Angus sired Barrett FFIn Genetic 30-60 day calves by side.
 - 35 choice South Dakota origin OCV Red Angus 1st calf hfrs with March calves sired by registered Red Angus bulls. Calves have been banded/Blackleg & Naselgen.

- BRED 1ST & 2ND CALF HEIFERS**
- 12 home raised Fink Wisdom sired 1st calf hfrs bred to Fink Substantial for 3 week calving period starting Oct. 1.
 - 6 blk 1st and 2nd calf hfrs calving now.
 - 10 choice blk & Red Angus Fall bred hfrs, AI bred to blk & Red Angus bulls for late Aug. calves.

- BRED HEIFERS**
- 24 reg OCV Char Fall bred hfrs AI bred to Red Ang Wideload LBW bull then cleaned up to LBW Char bull, due Aug. 15.

- REPLACEMENT HEIFERS**
- 70 choice Angus OCV replacement hfrs, all shots, 700-800#

- BRED COWS**
- 30 Red Angus Fall bred cows, 5-6 yrs. Mushrush Red Angus bulls turned in Thanksgiving for Sept. calving. All breeding shots.
 - 90 Fancy Red Angus Fall calving, OCV, cows, 3-5 yrs. Pieper registered Red Angus bulls turned in Nov 21 thru Jan 16.
 - 50 blk & Red Angus Fall calving cows, 4-6 yrs, bred to SimAngus bulls, to start calving Aug. 1 for 60 day calving period.
 - 50 blk BWF True fall calving cows, 3-6 yrs, bred to Top Registered Angus Bulls for early fall calving.
 - 12 blk cows 5-6 yrs bred Angus, calving now.
 - Complete Dispersal consisting of: 15 blk fall calving cows, 3-8 yrs, blk Balancer bull turned in least week of Nov.;
 - 50 big blk Northern origin cows, 3-5 yrs, bred Blk bulls for Fall calves.;
 - 100 blk bwf Fall calving cows, 4-7 yrs, bred to Char & SimAngus bulls, due to Aug. for 60 day calving period. Preg Guard 10, vaccinated & poured.
 - 75 blk bwf & few Red Ang Fall calving cows, 3-5 yrs, bred to SimAng bulls for Sept.-Oct. calves.
 - 34 Angus cows SS bred Char bulls for Aug.-Sept. calving.
 - 5 Blk Cows 6 yrs bred Red Angus for Sept.-Oct. calves.
 - 8 blk cows (2-3/5-6) bred to Angus Bull, calving now.

- COW/CALF PAIRS**
- 8 older Red and blk cows with calves by side.
 - 2 blk cows, 5 yrs, with calves by side.
 - 2 pair char x cows 8yr old.
 - 1 pair char x cow aged.
 - 2 pair black cows 7 yr old.
 - 2 pair black cows aged.
 - 100 blk, bwf, few rwf cows, 4-SS with 30-75 day ANgus and CHar sired calves by side, Pairs worked and grass ready.
 - 10 blk & Red cross cows, 6 yrs to SS, with late Jan. to early March calves.
 - 9 Red Angus cows 3-4 yrs, with 45 day Red Angus sired calves by side. Pairs are worked & grass ready.
 - 3 blk cows, 3-5 yrs, with 45 day Red Angus sired calves by side. Pairs are worked & grass ready.

- BULLS**
- 3 Char bulls, 18 mo., sons of New Standard and Benaiah.
 - 5 Angus bulls, 18 mo., sons of Conneally Mainstay, SAV Rairdance, Mohnen Substance, and Conneally Cool.
 - 3 purebred blk polled Sim yearling bulls.
 - 1 blk polled ¾ Sim ¼ Angus yearling bull.
 - 1 purebred blk polled Sim 2 yr old bull.
 - 3 registered Angus yearling hfr bulls.
 - 3 Angus shorthorn cross yearling hfr bulls.
 - 1 Gelv Red Angus Balancer yearling hfr bull
 - 4 Registered Angus bulls 14-15 months
 - 3 Registered Angus Bulls, 15 mo, Wisdom and Cowboy bckgrnd, Shots and Semen checked.

EARLY CONSIGNMENTS FOR APRIL 7

SELLING AT 11:30 A.M.

- 55 Home raised Blk & Red Sim cross Fall calving cows (3 yrs to SS) with big Sept-Oct Moser Sim or Harms Angus sired calves by side. Cows exposed back Moser Sim & Harms Angus bulls since Thanksgiving. All calves worked in November.
- 45 choice blk & bwf str & hfrs, bunk broke, 2 rd shots, 450-550#
- 48 Beefmaster cross str & hfrs, weaned 45 days, 2 rd shots, 400-500#
- 65 Rep blk str & hfrs, weaned 40 days, 2 rds shots, no implants, 500-600#
- 180 choice reputation Ang & SimAng str & replacement qual. hfrs, 1 comp. rd shots, 400-625#
- 43 blk CAB sired str, weaned 45 days, 3 rds shots, wormed, poured, electric & fence broke, 450-600#
- 36 home raised blk mainly str, 2 rd shots, worked, long wean., no implants, BB, 600-750#
- 10 blk, blk baldy SimAng str & hfrs 1 rd shots, wean 30 days, wormed, bunk broke, 500-600#
- 20 SimAngus str, few hfrs, all shots, weaned 37 days, 500-600#
- 130 Choice reputation Angus str & weaned 30 days, 2 rd shots, 450-600#
- 15 Red Angus str, 2 rds shots, weaned 30 days, 550-600#
- 27 blk str & hfrs, 2 rds shots, weaned 6 weeks, 450-600#
- 30 blk hfrs, long weaned, 3 rds shots, 650-850#
- 10 blk Silville ranch genetics bull calves all shots, Ivomectin, weaned 3 weeks, 400-600#
- 26 blk str & hfrs, weaned 45 days, 2 rd shots, 500-600#
- 107 Blk BWF & Red Angus hfrs, long weaned, 3 complete rd shots, 525-650#
- 43 Blk BWF & Red Angus str, long weaned, 3 complete rd shots, 525-650#
- 65 Angus hfrs, long weaned, 600-675#
- 52 SimAngus str & hfrs, 600-850#
- 20 blk str, long weaned, 2nd round shots, 550-600#

EARLY CONSIGNMENTS FOR APRIL 14:

- 39 blk str & hfrs, 2 rds Vira Shield & Black Leg, weaned 30 days. 500-600#

Upcoming Special Stock Cow & Bred Heifer Sale Dates • Wednesdays starting at 11:00 AM
2023: April 12; May 3

VISIT US ON THE WEB FOR DAILY CONSIGNMENT UPDATES AT WWW.MCCLIVESTOCK.COM

FIELD REPRESENTATIVES

JOHN CLINE ONAGA 785-889-4775 Cell: 785-532-8381	BRENT MILLER
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Kansas Hay Market Report

Compared to the last report demand remains good, prices remained steady, trade activity remains slow, although trades did pick up a bit last week. Overall, reports have come in that there has been more hay offered for sale by cattlemen, but they remain cautious, only turning loose of a few loads here and there. South-west contributors state that they are in serious trouble as the drought stubbornly hangs on. Wheat is in poor condition and attempts are being made to keep tender young alfalfa plants from blowing out. According to the U.S. Drought Monitor for March 21th, abnormal dryness and moderate and severe drought expanded slightly eastward in southeast Kansas where stream flows and soil moisture decreased amid mounting short-term precipitation deficits. The categorical percent area for Abnormally dry conditions (D0) decreased to 9.3%, moderate drought (D1) remained near 9.5%, severe drought

Grass & Grain Community Obituary

Donald Ray Peterson * 1930-2023



In the early morning of March 28, 2023, Donald Ray Peterson of Council Grove, Kansas, died of congestive heart failure at the age of 93 years and 8 days.

Don was born March 20, 1930, at the family home southeast of Delavan, Kansas, the first son and fourth child of Milton Ray Peterson and Merna Bowling Peterson. Though he was awarded a 4H scholarship to Kansas State University, he chose to remain at home and farm with his father. In 1950 Don married Neva Veal. Together they reared a family of four daughters and one son. They later divorced.

Agriculture and community service were Don's passions. In his long life Don saw farming with horses evolve to farming with technology. When financial difficulties necessitated a change in occupation, Don chose selling crop insurance so he could help farmers. Church, White Memorial Camp, 4H, Big Brothers/Big Sisters mentoring program, and Kiwanis gave Don opportunities for building the community and strengthening youth.

Don is preceded in death by his parents, his four sisters and one brother, Glenna Rodman, Olive Schoof, Helen Mayfield, Elda Nedrow, and Robert Peterson. He is survived by his children Linda Lindquist, Beverly Peterson, Jan Troxell, Marvin Peterson, and Nancy Bradfield, 14 grandchildren, 17 great grandchildren, one great-great grandchild, several nieces and nephews, and many friends.

A public memorial service was held Monday, April 3, at the Congregational Church in Council Grove, Kansas.

In lieu of flowers, memorial donations to the Morris County 4H Foundation or Rosie's Snuggle Bunnies (certified therapy rabbits) may be made in care of Sawyer Funeral Home, PO Box 273, Council Grove, Kansas 66846.

To leave a special message for the family online, please visit www.sawyerchapel.com.

(D2) remained near 13%, extreme drought (D3) remained near 16%, and exceptional drought (D4) remained near 36%.

Southwest Kansas

Dairy alfalfa, grinding alfalfa, ground and delivered steady, movement slow. Alfalfa: horse, supreme small squares 12.00-14.00/bale. Dairy, 1.40-1.50/point RFV. Good, Stock or Dry Cow 300.00-315.00. Grinding alfalfa, large rounds, 290.00-300.00, large square 3x4's and 4x4's 300.00-310.00. Ground and delivered locally to feed lots and dairies 340.00-350.00. Alfalfa/grass hay mix ground and delivered 300.00-320.00; Grass Hay: Bluestem: 150.00-160.00. Corn stalks: none reported. The week of 3/19-3/25, 4,949T of grinding alfalfa and 625T of dairy alfalfa was reported bought or sold.

South Central Kansas

Dairy alfalfa, ground and delivered, and alfalfa pellets steady, grinding alfalfa mixed, movement slow. Alfalfa: horse, small squares 325.00/ton. Dairy 1.40-1.50/point RFV. Good, Stock cow, 295.00-305.00. Fair/good grinding alfalfa, large rounds 290.00-300.00 delivered, 3x4 and 4x4's 315.00-325.00 delivered. Alfalfa ground and delivered 315.00-325.00; Alfalfa/Soybean: ground and delivered 300.00-315.00. Alfalfa pellets: Sun cured 15 pct protein 325.00-335.00, 17 pct protein 345.00-350.00, Dehydrated 17 pct 395.00-400.00. Grass Hay: Bluestem, large rounds none reported. Sudan: large round 125.00-130.00. Corn stalks: large rounds 110.00-120.00. The week of 3/19-3/25, 7,396.5T of grinding alfalfa and 200T of dairy alfalfa was reported bought or sold.

Southeast Kansas

Dairy alfalfa, grass hay steady, grinding alfalfa mixed, movement slow. Alfalfa: horse or goat, none reported. Dairy 1.40-1.50/point RFV. Good, stock cow 260.00-270.00. Fair/good grinding alfalfa, large rounds none reported, large square 3x4 260.00-270.00; Grass hay: Bluestem, small squares 160.00-165.00, good 3x4 squares 160.00-170.00, large round 135.00-145.00. Brome, large rounds 135.00-145.00. Corn stalks: large round 120.00-130.00 delivered. The week of 3/19-3/25, 1,344T of grass hay was reported bought or sold.

Northwest Kansas

Dairy alfalfa and grinding alfalfa steady, movement slow. Alfalfa: Horse or goat, small squares 345.00-355.00 delivered, 3x3 squares 305.00-320.00 delivered. Dairy, Premium/Supreme 1.40-1.50/point RFV. Stock cow, fair/good none reported. Fair/good grinding alfalfa, large square 3x4's 300.00-315.00. Milo stalks, large rounds 145.00-150.00.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered and bluestem grass hay steady, movement slow. Alfalfa: Dairy 1.40-1.50/point RFV; Horse hay, premium small squares, 12.50-13.50/bale, 3x4's 290.00-300.00; Stock Cow 3x4's 220.00-230.00. Fair/good, grinding alfalfa, large rounds 235.00-245.00, large square 3x4's 260.00-270.00 delivered; Alfalfa ground and delivered 275.00-300.00; Alfalfa/Prairie grassmix ground and delivered 270.00-275.00. Grass hay: Bluestem, small squares 8.00-8.50/bale, large 3x4 squares 150.00-160.00, good large rounds 140.00-150.00. Brome: small squares 9.00-9.50/bale, large square 3x4's, none reported, large rounds 130.00-150.00. Sudan: large square 3x4's 130.00-140.00 delivered. Wheat straw: small squares 6.00/bale, large rounds 110.00-115.00, large squares 115.00-125.00. Corn stalks: large rounds 95.00-100.00. The week of 3/19-3/25, 1,025T of grinding alfalfa and 250T of dairy alfalfa was reported bought or sold.

**Prices above reflect the average price. There could be prices higher and lower than those published.

***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.

Kansas milk production sees 3% increase

Milk production in Kansas during February 2023 totaled 325 million pounds, up 3% from February 2022, according to the USDA's National Agricultural Statistics Service. The average number of milk cows was 176,000 head, 6,000 head more than February 2022. Milk production per cow averaged 1,845 pounds.

Understanding need for private pesticide applicator certification

By David Hallauer, Meadowlark District Extension agent, crops and soils/horticulture

The label is the law. It's a statement used often in discussions surrounding pesticide use to underscore the need for knowledge of product labels prior to application. In fact, there may be requirements you need to understand even prior to purchase. One of those is knowledge of whether or not the pesticide is considered restricted use.

Restricted use pesticides require applicator certification prior to purchase/application. There are two categories in Kansas: commercial and private. In short, Commercial pesticide certification is for application as a business or for compensation. Private applicators are applying on owned/rented property without compensation. Commercial certification requires passage of a general test plus an additional test in at least one other application category at approved testing locations. Private pesticide applicators have to pass an open book examination administered through local Extension offices. If you're unsure what certification you need, visit the Kansas

Department of Agriculture at: <https://www.agriculture.ks.gov/divisions-programs/pesticide-fertilizer/pesticide-applicator> or contact any of our district offices for clarification.

How does this apply to product labels? There can be confusion about whether application certification is necessary. As you prepare for applications this spring, look closely at product labels. If you have the product, open up the label and take a look. If not, you can find them on company websites or sites like cdms.net or greenbook.net. As an example, Tordon RTU is not restricted use (that's why you can purchase it off the shelf at many farm supply stores but Tordon 22K is (read the label closely and you'll see how different they really are). If you're going to purchase Tordon 22K, make sure you have your private pesticide certification in order.

Don't want to mess with the certification and testing process? In some cases, non-restricted use products may be available as a substitute. Resources like the 2023 KSU Chemical Weed Control Guide (available online or via district offices) can help you sort through it.

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Extended drought causes optimism to wane on potential of Kansas wheat crop

Wheat farmers are, by nature, optimistic, but that optimism is starting to wane in southwest Kansas, where much of the wheat that was drilled last fall has yet to emerge.

Only 19% of the Kansas wheat crop is currently rated in good to excellent condition, with another 52% rated poor to very poor, according to the USDA's National Agricultural Statistics Service. According to the March 27 report, 77% of subsoil moisture supplies are rated short to very short.

"We're eating through subsoil moisture," said Tyler Ediger who farms near Meade. "We need a slow inch to inch and a half of moisture."

Average annual precipitation for the area is 23 inches, but over the past year, they've received roughly half that.

Still, Ediger says they're better off than most in the area, having received a half-inch a couple of weeks ago.

Their fields have a stand, so they're not blowing yet, but winds have been strong and sustained for much of the area.

North of Lakin in Kearny County, Gary Millershaski's fields aren't faring as well. An area that typically gets 18.8" of annual precipitation, they've only received 8.6" over the past 365 days. While last year's crop was also raised in drought conditions, it had the benefit of some subsoil moisture, which has all but been depleted by now. Even the residue left from last year's crop has been reduced by wind and drought.

"We're totally out of residue," Millershaski said. "There's nothing out there."

He said insurance adjusters will be in the area over the next couple of weeks. Many of the fields that haven't even emerged will be adjusted out, giving farmers like Millershaski few options for ways to protect the blowing soil.

"I'm not going to chase another crop in dry soil," he said. "Right now, it's all about getting by and spending the least amount possible."

In Sheridan County, Brett Oelke's fields are surviving on half their average precipitation over the past two years as well.

"We're pretty fortunate right now," he said, because the moisture on this wheat crop has come with a timely three-quarters of an inch of rain in October when it was drilled and another inch and a half of moisture from snow since January.

Oelke's moisture probe proved that even though his area has gotten some timely moisture, the crop is far from trouble. Reaching only two feet down, he said last year's subsoil moisture was four feet.

"We're 22 to 24 inches behind over the past few years," he said.

In the sandy soils of Barber County, farmers are also dealing with less

than half their average moisture.

"We need a rain really bad — and soon," Chris Boyd said.

The wheat plants are small and don't have many tillers. Fields in the Isabel area have received only one inch of rain total since the crop was planted.

In addition to fields that have been blown out completely from strong winds, they are also dealing with winter grain mites and army cutworms, which will limit yield potential. These pests can be con-

trolled by applying an insecticide or pesticide, an added expense for a crop without a lot of potential.

"We were blessed with a nice harvest last year, but that crop used all of the subsoil moisture," Boyd said. "With virtually no moisture on this current crop and nothing in the forecast, producers are faced with difficult decisions on how many more inputs — such as insecticide for grain mites — to invest on a potential crop failure."

Rain is critical right

now as temperatures begin to warm up and the wheat crop comes out of dormancy.

"We'll take whatever moisture we can get," said Millershaski.

With hit-and-miss showers mostly avoiding southwest Kansas this past week and few scattered showers forecast in the next ten days, farmers remain hopeful for additional timely rains.

"We'll stay optimistic," Ediger said.

Skucius named K-State watershed specialist for northeast Kansas

By Pat Melgares, K-State Research and Extension news service

It's not likely that Daniel Skucius sees a glass of water as just a glass of water.

He's more inclined to see it as a flowing Kansas creek that has been protected from pollutants from a nearby field where burly cattle graze the land.

Such is the perspective of a Kansas watershed specialist.

Skucius recently joined a cast of five watershed specialists under the direction of the Kansas Center for Agricultural Resources and the Environment (KCARE), a group that works with Kansas landowners and farmers to adopt and implement best management practices to safeguard water quality in the state.

Skucius will work in northeast Kansas along with longtime K-State watershed specialist Will Boyer. Skucius calls it "boots on the ground" work alongside farmers and other landowners.

"We'll be working with our partners to address areas in which we can cre-



"are not pie-in-the-sky ideas. These lead to real, proven results that can help the water that we have flowing through our communities today."

According to information from KCARE, projects in Kansas watersheds are guided by a planning and management framework known as a Watershed Restoration and Protection Strategy, or WRAPS.

The plan includes identifying restoration and protection needs in a watershed; establishing management goals; creating a cost-effective plan to achieve the goals; and implementing action steps. Landowners participate in the process, rather than plans being mandated by government agencies.

Skucius grew up in Sterling and received his degrees in wildlife and outdoor enterprises management from K-State. He worked at the Rock Springs 4-H Ranch as a conservation specialist and as a 4-H agent in Pottawatomie prior to his recent position as a watershed specialist.

More information on the K-State watershed specialist program is available at local K-State Research and Extension offices.

ate win-win partnerships with farmers and ranchers that help their operation and also benefit water quality," Skucius said.

Examples of projects include working with landowners wanting to lengthen grazing periods for cattle; setting up watering systems for cover crops; establishing residual crop feeding fields; or creating alternative water sources for livestock.

"Much of what we do right now is on the livestock side, (such as) keeping animal waste where it's supposed to be and in a way that benefits everyone," Skucius said.

He adds that the projects between watershed specialists and farmers

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SILVER: Alvin Sterling silver flatware, Chappell Bell pattern, Pat 1939, 12 place setting in wood case, nice.
COLLECTIBLES: Birger Sandzen lithograph, Frida's Creek, framed; various other vintage prints; Stradivarius violin in wood case, nice; vintage paper goods; View master; Durland & Block and F.S. Riegel adv. fans; crocheted bedspread, nice; various linens & fancywork; Bakelite organizer; pink Depression pcs.; Fenton basket; nice selection of various glassware; small leather bound trunk; Halco cap pistol; several Barbie dolls in boxes; numerous bisque hands &

head dolls; Singer box camera & others; Singer sewing machine; oak sewing box; Columbia Twosome vintage bicycle built for 2; Firestone vintage bicycle; small Spectrum drum set; metal plant stands; crocks; White Mountain ice cream freezer; small metal wagon; oak jewelry box; 2 school desks; 2 Red Ryder BB guns; 760 Pumpmaster pellet rifle.

FURNITURE: 2 oak glass front cabinets; oak dressing mirror; gray love seat, nice; small walnut glass front cabinet; painted dry sink; king size bed; bakers rack; Samsung 48" flat screen TV; maple dining table & 4 chairs; blonde oak dresser &

chest of drawers; area rug; mahogany parlor table.

TRAILER, TOOLS & MISC. 8ftx4ft. lawn mower trailer; aluminum louvered tailgate & 5th wheel hitch for a 2000's Ford pickup; Ryobi 18 volt weed eater & blower; Char Griller grill; Expert gas grill; new table top portable grill; B&D sawsall & edger; Kasher electric power washer; Earthwise electric row tiller; Toro 6 1/2 hp. push mower; small shop vac; several socket sets; large dog kennel; fishing tackle; tarps; Hitch Haul bag; Coleman campstove; various hand tools; misc. kitchen items; Xmas dishes; large selection of Xmas & other seasonal decorations.

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Ag Tech - April 18th

Cattle Empire - May 23rd

Wheat Harvest, 4-week series - starts June 6th

County Fair - July 4th

Ag Finance - August 8th

KS State Fair Issue (BOGO Half Price) - August 29th

Fall Harvest (4 week series) - starts September

Fall Full of Bullz - September 12th

G&G Farm Show Edition - October 31st

Soil Health - November 7th

DEADLINES:

Ag Tech - April 12th, before Noon

Cattle Empire - May 17th, before Noon

Wheat Harvest - May 31st, before Noon

County Fair - June 28th, before Noon

Ag Finance - August 8th, before Noon

KS State Fair Issue - August 23rd, before Noon

Fall Harvest - August 30th, before Noon

Fall Full of Bullz - September 6th, before Noon

G&G Farm Show Edition - October 25th, before Noon

Soil Health - November 1st, before Noon

To advertise in these or future special issues, contact your GRASS & GRAIN sales rep:



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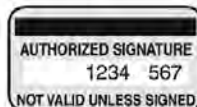
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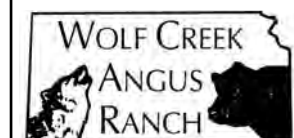
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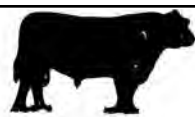


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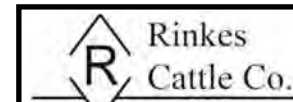
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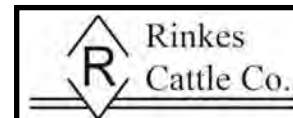
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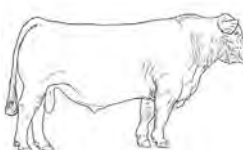
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Early fungicide applications may help some wheat producers, says K-State plant pathologist

By Pat Melgares, K-State Research and Extension news service
A Kansas State University plant pathologist is urging wheat producers to take the time to think through the timing and type of fungicide they may be applying to their crop this spring.

Kelsey Andersen Onofre said that some producers are considering an early fungicide application — perhaps between the green-up and jointing stages — but there are important points to consider while thinking through that option.

“An early application can be economical for the producer in some scenarios,” she said. “Usually that (application) will go in with a fertilizer or herbicide application, so we might put that in the tank at the same time. Some studies have shown that there can be small yield benefits of an early fungicide application; it doesn't happen in all years and in all environments.”

Andersen Onofre said some of the fungal diseases commonly seen in Kansas fields include stripe rust and leaf rust. Eastern Kansas farmers also are wary of the rusts, as well as leaf spot diseases such as tan spot and Septoria tritici blotch which are more common in no-till wheat on wheat rotations, as the fungi survive in wheat residue.

“Early fungicide applications may stem early disease development and protect the lower canopy of the crop,” she said. “This may prevent these fungi from moving to the upper canopy as easily later in the season.”

Andersen Onofre said it's important to remember that early season applications are not a substitute for flag leaf applications, which can provide a much higher yield benefit when the environment is conducive for disease. The flag leaf in wheat is the last leaf to emerge and drives about 75% of grain yield.

“Those flag leaves drive much of our yields in wheat,” Andersen Onofre said. “With an early fungicide application, those leaves are not protected.”
“One of the things to think about regarding an early application is that a lot of these fungicides have use restrictions that limit the amount of active ingredient that can be applied in a season,” Andersen Onofre said. “So, if you know you want to apply (a product) early in the season, you would maybe lose the ability to apply that same product later in the season.”

One option, she notes, is a split-rate application, in which the producer makes two passes with the same fungicide.

“There are a few products available where, for example, the full application rate is ten fluid ounces per acre, but they have a special label that allows you to make one five-ounce application early, followed by another five-ounce application later,” Andersen Onofre said. “Not all products have that type of special label, so it's really important to plan both applications accordingly.”

“Alternatively, some products have lower rates labeled for early season disease suppression, where a lower rate can be applied with your herbicide or fertilizer and a later full rate application may be made at flag leaf.”

Each year, Kansas State University and universities around the country compile data on the efficacy of fungicides on wheat. The most current data is now available online in the publication, Foliar Fungicide Efficacy Ratings for Wheat Disease Management.

Andersen Onofre said the publication includes research-based information on efficacy of widely available fungicides in Kansas. She also notes the importance of paying attention to disease scouting reports in the producer's area, knowing the vulnerabilities of wheat varieties, and knowing overall crop condition and estimated yield potential.

Wheat badly damaged this year by drought or cold injury may not be the best candidate for an early application, she said.

“We try to put as much information in (the publication) as possible, but it doesn't replace reading the label of the fungicides you're using,” she said. “It's always good to read labels to make sure you're in compliance with what's written when choosing a fungicide.”

K-State also publishes an annual wheat variety guide to help producers understand the susceptibility of varieties they are currently growing, as well as those they may want to plant later this year. Varieties highly susceptible to the diseases would be better candidates for fungicide applications.

More information also is available at local K-State Research and Extension offices in Kansas. Local Extension agents can help producers work through a chemical management program for wheat.

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When is the best time to calve?

By Heather Smith Thomas

Whether a stockman calves in January-February, March-April, May-June or in the fall, often hinges on climate, marketing goals, feed costs or availability, breeding season considerations, management constraints, and other factors. There is no perfect time to calve; each producer must weigh the pros and cons to determine what works best for his or her own situation and goals.

Traditionally, most beef calves have been born in early spring — February through April — to wean in the fall and put on feed through winter. As corn and other feed prices change, however, feedlots differentiate more between lighter and heavier calves — whether they can go straight to feed or to grass first.

With increased hay prices, cow-calf operations look at wintering costs and having to feed hay during early lactation when cow nutritional needs are highest. Climate and how much hay you feed during winter can be major factors, and cold weather necessitates more labor and diligence at calving.

“One thing we’ve seen with later calving/breeding is slightly lower pregnancy rates, which might be due to poorer pasture quality when they are lactating and being bred.” — John Campbell

John Campbell, veterinarian at the University of Saskatchewan, says many producers have moved to later calving on pasture rather than in confinement with barns. Calf death loss is generally lower when cows calve later, though many folks who calve early

are good at managing for cold weather, and don’t lose calves. Still, it does require more labor.

“One thing we’ve seen with later calving/breeding is slightly lower pregnancy rates, which might be due to poorer pasture quality when they are lactating and being bred,” says Campbell.

Selecting the time for breeding and calving isn’t simple. Many factors go into that decision, he says. “This includes when you want to wean and market calves. If you change calving season, it may impact selling price, as well as market conditions.”

An advantage to calving later in the season, when cows can be out on pasture, is that cows and heifers get more exercise, says Campbell.

“People who calve later tend to report fewer dys-

tocias,” he says. “It might be that they are breeding to easier-calving bulls (because they can’t monitor every birth), or partly because cows get more exercise. I think there is value in having cows moving around more — in better physical shape at calving.”

There are some data regarding bigger birth weights when cows calve early — if winter was cold. In cold weather, when the cow is trying to maintain body heat, more blood is concentrated around internal organs, including the uterus, bringing more nutrients to the fetus when it is growing most rapidly — the last two months of gestation. Also, most of these cows are well-fed to meet increased requirements for maintenance during cold weather. Many factors may work together to make a winter-born calf

a little bigger at birth, with a possible increase in calving problems compared to a summer-born calf when cows are out at pasture. Some producers say cows tend to calve easier on green pasture than when confined and fed hay.

Only a few people in northern climates calve in the fall, says Campbell. “Winters are usually too severe to have young calves going into winter, and feed costs are higher for cows at peak lactation that time of year. If a person can keep cows grazing through most of the winter, it’s not as big an issue if they have some kind of supplement; but, it depends on the situation and feed availability.”

Another benefit to calving later is reduced disease pressure.

“Infectious disease in baby calves is minimized when we can spread cattle out on grass,” Campbell explains. “They don’t have to go through a barn or contaminated corral. Most pathogens that cause disease in young calves are carried by the cows.”

These pathogens don’t

affect the cows, but they can affect their calves, especially if a calf comes in contact with a lot of fecal material or cows are lying on dirty bedding or manure and the calf suckles a filthy udder. Calving on green pasture reduces death loss and sickness and the need for doctoring calves, saving time and labor and expense for medications.

“There are many reasons for later calving, but if pastures are dry and poor-quality in later summer, it may be harder to meet the cows’ nutritional requirements during breeding season and peak lactation,” says Campbell.

When calving in early summer, a person also needs to decide when to wean those later-born calves. Weaning in the fall may be too early if calves are only four or five months old, and weaning in January may be too cold. A few producers are leaving calves on the cows through winter and weaning in March, which has some market advantages.

Nebraska ag land values up 14%

The market value of agricultural land in Nebraska increased 14% over the prior year, to an average of \$3,835 per acre, according to the University of Nebraska-Lincoln’s 2023 Nebraska Farm Real Estate Market Survey preliminary report. This marks the second-largest increase in the market value of agricultural land in Nebraska since 2014 and the highest non-inflation-adjusted statewide land value in the 45-year history of the survey.

The report is issued annually by the university’s Department of Agricultural Economics and Center for Agricultural Profitability. It is based on a survey of land industry experts across Nebraska, including appraisers, farm and ranch managers, agricultural bankers and other industry professionals.

The survey attributes the rise in agricultural real estate values to higher commodity prices, purchases for operation expansion, favorable financial situations for current owners and an increase in buyers acquiring land as a hedge against inflation.

Increases in crop and livestock prices contributed to a net farm income of more than \$8 billion in Nebraska in 2022, even as expenses for inputs like fertilizer and fuel increased

by more than \$3 billion over the prior year in the state. But record-low interest rates at the beginning of 2022 rose to their highest points this decade by the end of the year. This may impact agricultural real estate markets in the coming year, according to Jim Jansen, an agricultural economist who co-authored the survey and report.

“Monetary policy in 2022 created a dynamic period as the Federal Reserve raised interest rates to combat inflation,” Jansen said. “Interest expenses for land loans gradually rose over the prior year and into 2023 as the Federal Reserve continues policies to decrease inflation.”

He added that low interest rates on loans in early 2022 and concerns about inflation fueled demand for investment in land, a tangible asset that helps to hedge purchasing power, noting that operators and investors use land purchases when evaluating hedges against inflation and to grow farms and ranches.

The survey reports market values on seven types of land by region across Nebraska, as well all-land average values for the entire state. Dryland cropland with irrigation potential experienced the largest statewide increase

on cropland, up 16% for all land classes. Increases between 17% and 21% led the category in the northeast, southwest and southeast districts. The estimated value of dryland cropland without irrigation potential rose 13% across the state, with the largest gains — between 15% and 21% — reported in the northwest, south and southeast districts.

Center pivot-irrigated cropland averaged 13% higher, with the northeast, east and southeast regions leading Nebraska in market value increases between 14% and 19%. The value of gravity-irrigated cropland rose 12% across the state, including gains between 14% and 20% in the east and south regions.

The gain in statewide grazing land and hayland market values ranged from 14% to 17%. Hayland led at 17%, as operators competed for additional acres during expansive drought across the state. Nontillable grazing land followed hayland with an increase of 15%. Major grazing regions in the northwest, north, central and southwest led the gains, ranging from 13% to 20%. Cow-calf producers competed for grazing properties during the drought, and tillable grazing land also trended higher at 14% across the state.

Rep. Mann secures and defends precision agriculture

U.S. Representatives Tracey Mann (KS-01) and Don Davis (NC-01), members of the House Agriculture Committee, introduced the Promoting Precision Agriculture Act. The bill would establish a partnership between the federal government and the private sector to create voluntary interconnectivity standards and prioritize the cybersecurity needs for precision agriculture technologies.

“Precision agriculture is a critical tool for agricultural producers as they work tirelessly to feed, fuel, and clothe the world,” said Mann. “Technological advancement has helped producers improve crop yields and make informed management decisions, but new technology brings new challenges. The Promoting Precision Agriculture Act will ensure that producers have a seat at the table when Congress establishes new precision agriculture standards.”

“The agricultural community is the backbone of eastern North Carolina, and precision agriculture helps our farmers to be successful, profitable, and productive,” said Davis. “We must ensure our growers have access to the cutting-edge precision agriculture technologies necessary to do what they do best — feed America. I’m proud to introduce this bipartisan legislation that will deliver wins for rural America.”

Precision agriculture includes the use of robotics, sensors, monitors, drones, etc., to help growers increase efficiency,

potentially boosting crop yields while lowering costs.

The Promoting Precision Agriculture Act would direct USDA, in consultation with the National Institute of Standards and Technology to:

- Support the development of standards, guidelines, and best practices for precision agriculture.
- Comprehensively address the evolving de-

mands of precision agriculture by requiring the USDA, FCC, and NIST to consider the effects future technologies such as 6G will have on precision agriculture when developing guidance to promote the economies of scale of precision agriculture equipment.

- Prioritize the needs of precision agriculture while protecting it from cyber threats.

ESTATE AUCTION

TUESDAY, APRIL 11, 2023 - 4:30 PM

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Auction being held Inside The Woodshed Event Center. Seating, Refreshments & Restrooms Available.

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* PREVIEW Day of Sale from 10 AM until Sale Time.

Total Auction is from a Single Local Topeka Estate: Rowe JUKE BOX; Bally “Wild Lemon” slot machine; Williams “Doozie” Pinball machine; Bing Crosby Jr. table top Juke Box; **RADIOS & RECORD PLAYERS INC.:** Mahogany parlor table with Atwater-Kent radio; Stromberg-Carlson floor model radio; Super Five floor model radio; Crosley table top radio, record & cassette player; American floor model radio in burl walnut cabinet; a different style Stromberg-Carlson floor model radio; vintage table top Victrola record player; oak cased floor model Victrola; Nutrodyn table top radio; Seeburg Wall O Matic record player; ornate walnut cased Magnavox “Dynamic 80” floor model radio; 1950s Philco table top radio/record player; RCA, Gloriton and Philco table top radios; selection of radio & juke box tubes.

SPEAKERS INC.: Paridan, Advent & Polk; Phonette “Melody Lane” 5-cent speaker; Majestic standard B current supply; Coca Cola stand w/set of Simplex speakers; Large Inventory of 45, 78, 33 1/3 RPM records; framed & unframed 45 RPM picture covers (some with records); framed picture records; Vogue picture records; framed artist pictures (some signed); reference books & literature; movie & concert posters (some signed); Good Selection of Die Cast Vehicles of various size & manuf.; single & double gumball machines with & without stands; mint glass mail box w/ embossed lettering; US postage stamp machine w/original packing crate; set marble top scales; nice hump back trunk; 18” figurines of Superman & Spiderman; Playboy magazines, 1960s & 1970s; wire racks for records, comics, etc.; **Other Unlisted related items.**

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Tractor Show set at Ag Heritage Park for Saturday, April 15

Spring Crank Up! Tractor Show is scheduled for Saturday, April 15th at Ag Heritage Park in Alta Vista. Tractor owners are invited to bring their tractors for show and join the Parade of Power planned for 10:30 a.m. Registration begins at 9:00 a.m., with no registration fees.

The public is invited to view the Parade of Power through downtown Alta Vista, and then visit Ag Heritage Park for the tractor owner introductions following the parade. The tractors should be on display until 2:00 p.m. While at the Park "Step Back In Time," visiting all the exhibits throughout the Park.

A 4'x4' barn quilt drawing will be held at 2:00 p.m. Saturday afternoon. Barn quilt ticket donations support Ag Heritage Park; ticket information is available at www.AgHeritagePark.com. The winner does not have to be present to win.

Lunch, snacks and drinks will be available show day on the grounds, with the proceeds benefit-



ing Ag Heritage Park. All exhibits are handicap accessible and a golf cart is available to tour the Park. All age groups will enjoy time spent "stepping back in time."

Follow Ag Heritage Park Facebook and website www.AgHeritagePark.com, for the latest updates. Ag Heritage Park will be open tractor show day

from 8:30 a.m. to 2:30 p.m. Admission to the Park is by donation, used for park upkeep and maintenance.

Ag Heritage Park is located at 103 S. Main. Attendees are reminded to be aware of the K-177 highway closure south of I-70, to the K-4 east junction, with both K-4 junctions remaining open.

Applications being accepted for Women in Agribusiness scholarship program

Applications are now being accepted for the 2023 Women in Agribusiness (WIA) Scholarship program. The scholarships, funded by industry businesses, help defray the cost for agribusiness students to attend the annual Women in Agribusiness Summit, which this year will be held in Nashville, September 26-28.

Nearly 900 gather for the WIA Summit, now in its 12th year, to benefit from presentations on the latest trends, outlooks, and innovations in ag, and enjoy unparalleled networking opportunities with influential executives, and spot-on professional development workshops.

More than 125 students developing a career in the agribusiness industry – all full-time students from accredited colleges or universities where they are either an undergraduate, graduate or doctoral candidate – have benefited from the scholarship program since its start in 2014. Students hail from colleges all over the country, including Texas A&M University, University of Florida, Colorado State University and Iowa State University.

Last year, more than 20 industry businesses, such as Cargill, CHS and Smithfield signed on to be a WIA Student Scholarship Sponsor. Their support subsidizes registration and accommodation expenses for female students wishing to attend the Summit, allowing them to make important industry connections, evaluate career paths and grow in their knowledge of the industry.

Applicants must submit a resume, headshot and statement describing in detail their educational and career goals and how attending the WIA Summit will benefit this. Chosen recipients will receive:

- Registration for the three-day Summit
- Three nights shared lodging at a hotel (if needed)
- Meals provided at the event
- One-year WIA membership, which provides access to conference content and member directory

To apply for a scholarship, visit <https://wia.highestevents.com/>. Applications will be accepted through July 1, 2023. For information on how your organization can sponsor a student, contact Carrie Vita at cvita@highestpartners.com.

Power of Meat assesses key meat industry trends

Americans are buying more fresh meat than before the COVID-19 pandemic and are seeking value in terms of price, convenience and better-for attributes in meat purchases, according to the 18th annual Power of Meat report released by the Meat Institute and FMI—The Food Industry Association.

Three-quarters (76 percent) of consumers are changing their food purchases because of inflation; 82 percent of meals are still prepared at home; and a relatively low 65 percent of Gen Z consumers — fewer than other generations — believe meat belongs in a healthy, balanced lifestyle.

'Separating years' ahead, Blach says

It was a train wreck. That's the only way to put the beef market of four decades ago, says Randy Blach, CEO of CattleFax.

"We lost 12% of all people in agriculture in the decade of the '80s; cattle prices fell out of bed," he said on a recent episode of *The Angus Conversation*. "We lost, I want to say basically 400,000 beef cattle producers in the late '70s through the mid-'90s, we lost 16 million cattle out of our inventories, I believe seven or eight million beef cows. So, it was anything but fun."

But then, the National Beef Quality Audit uncovered holes in the business, and cattlemen went to work. Beef demand reached record highs in the last few years, even with record supplies.

"Markets work if you let them work; they really do work," Blach said.

Consumers say they want more high-quality beef, and they're willing to pay for it.

Live cattle prices will trend higher in the near future, but there will be trying times ahead. The next few years will test

even the best breeders, he suggests, as cow herd numbers drop to the lowest in recent history.

"This is a separating time, you need to make sure you're delivering, because we're going to have a lot of choices out here as we go through this declining beef cow number," Blach said.

Listen to the entire episode, "Chasing Rabbits Wasn't Fun and Other Wisdom from Randy Blach," by searching for *The Angus Conversation* anywhere you get your podcasts.

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Farney awarded Outstanding Young Extension Specialist at ASAS Midwest Meeting

The annual American Society of Animal Science Midwest Meeting was hosted March 12-15 in Madison, Wisconsin. Several current and former Kansas State University (K-State) Animal Sciences and Industry (ASI) faculty, undergraduate students and graduate students received awards.

Dr. Jaymelynn Farney received the Outstanding Young Extension Specialist Award, which recognizes an Extension specialist for their outstanding Extension educational programs in animal science. She grew up on a cattle operation in New Mexico and received her bachelor's and doctorate from Kansas State University and master's from Oklahoma State University. Farney joined K-State as a Beef Systems Extension



Specialist in 2012. Her Extension and research programs have focused on the integration of cattle within cropping systems, nutrition, supplements, and forages. She developed a podcast, "Dr. J's Beef" with 97 episodes and 18,000 downloads. She has authored 25 peer-reviewed Extension and

research publications, 27 abstracts and 40 proceedings/research reports, 75 media interviews, 52 newsletter articles and more than 193 invited talks, and generated more than \$600,000 to support research and Extension efforts.

"The Department of Animal Sciences and Industry is extremely fortunate to have Dr. Jaymelynn Farney as part of our faculty," says Dr. Mike Day, K-State ASI department head. "Her programs focused on nutrition, supplements and forages are impactful to increasing cattle producer productivity. She connects to the beef industry in a unique way through her podcast, presentations and interviews. This award is well deserved by Jaymelynn."

Phosphate farm prices remain elevated, it's time for action on import tariffs

By Krista Swanson, lead economist for the National Corn Growers Association.

Phosphorus, an essential nutrient for plant growth and development, is important for corn productivity. Farmers use fertilizers to replenish phosphorus and other nutrients in the soil to maintain healthy and fertile land, but vital fertilizer management comes at a high cost. This is especially true for corn producers, particularly right now.

Since 1996, average annual fertilizer costs were about one-third of total operating costs incurred in growing a corn crop. For 2023, the United States Department of Agriculture (USDA) projects fertilizer to make up 46% of the total operating costs incurred by the U.S. farmer in growing a corn crop, unchanged from 2022, but up from 37% for the 2021 crop and 35% for the 2020 crop. Aside from 2008, the current fertilizer-to-operating-cost ratio is at the highest point since the 1970s.

Compared to other major commodity crops, corn not only has the highest fertilizer costs in dollar value, but also the highest fertilizer-to-operating-cost ratio. Wheat is a close second, with the USDA forecast at 45% for 2023, but fertilizer costs are only 23-26% of the total operating costs for soybeans, cotton and rice.

The fertilizer cost ratio has jumped in recent years because the cost of fertilizer has increased relatively more than other operating costs. The farm price of phosphorus fertilizers DAP (diammonium phosphate) and MAP (monoammonium phosphate) increased rapidly from September 2020 through late spring 2022. Prices have declined from the 2022 high point, but remain historically high. The Illinois farm price reported by USDA for DAP is \$825 average for March 2023, double the average for September 2020 price at \$414, and well above the \$525 average price from 2009 to 2020. In addition to MAP, the trends for nitrogen and potassium fertilizers are similar.

There is no substitute

for phosphorus in growing corn. And phosphate rock, a non-renewable resource, is the only significant global resource of phosphorus for agriculture fertilizers.

The U.S. Geological Survey reports China, Morocco and the U.S. have combined to produce about two-thirds of the world's annual phosphate rock production in recent years. Although the U.S. consistently produces at least 85% of domestic phosphate consumption annually, the U.S. is reliant on imports to meet a portion of demand for the nutrient. The U.S. houses 1.4% of known phosphate reserves globally. In comparison, nearly 70% of the world's reported phosphate reserves are in Morocco.

That underscores the

importance of fair and open access to imported fertilizers now and into the future, from Morocco in particular. In March 2021, the International Trade Commission (ITC) voted to begin imposing tariffs over 19% on imported fertilizers from Morocco. The National Corn Growers Association and five other national groups filed a joint amicus curiae brief in the U.S. Court of International Trade to overturn the ITC decision.

In an already high-cost environment, tariffs on fertilizer imports makes it more expensive for corn farmers to maintain fertile soils and complicates trade flows that can lead to shortages at the farm level. We need ITC to act by removing the import tariffs.

Chicks: more than a secular Easter icon

By Ross Mosteller, Meadowlark District Extension agent, livestock and natural resources

This time of year gardeners get anxious to plant, spring break travelers enjoy warmer climates and poultry keepers catch "chick fever." While this can be a rewarding and self-sustaining venture, planning and preparation is key to success! I get it, it's hard to walk past the chick pens at the local farm supply store and not take some of those cheeping, fluffy, egg-makers home; but make sure you know what you're getting into and be prepared.

Know your intended outcome in raising chickens before you even begin to think about types, colors and quantity. With recent spikes in egg prices and more limited egg supplies, you might notice that hatcheries are experiencing strong demand and more limited supplies of chicks as well. This might cause you to rethink particular chick breeds you like, so discussion starts with what is the right breed or hybrid for your situation? Sourcing "ready-to-lay" pullets might be a good option, if you are looking for egg layers, but focus today will be on baby chicks. Plan to keep one age of bird in a flock at the same, sourced from the same hatchery, for best success.

Basic categories are egg-layers, meat-producers, dual-purpose and "fancy" types geared more toward exhibition. If you only want eggs, look at pullets in the egg-laying hybrids - such as sex-links (in various colors) and

leghorn influenced crosses. Needing a quick protein source and not eggs? Meat-type broilers, such as Cornish Rock crosses, are your best choice. Many backyard flocks utilize dual purpose straight runs, who supply both meat and eggs. Popular breeds include: Rhode Island Reds, Wyandotte, Rocks, Orpington, Ameraucana, to name a few.

After your breed or hybrid has been selected, sourcing becomes the next topic. Always select chicks from sources that are reputable, have NPIP testing and other health assurances granted; and you might even consider additional vaccinations to prevent diseases. Direct shipment from a known hatchery is often the best idea to minimize health risk. Hatcheries generally supply all the above, plus live chick guarantees. Most local farm supply stores source chicks directly from hatcheries as well, so this can be a good choice too. This does come with more potential disease exposure due to whatever people might unintentionally bring into a store.

Chicks will need an artificial heat source, in a draft free environment, providing 90-95 degrees Fahrenheit the first week. This temperature can be reduced by five degrees per week, until reaching a constant 65-70 degrees. Floor space starts out at one-half square foot per bird moving up to two or more square footage as adults. Adequate feeder and waterer space from day one is a must! Flat feeders and/or troughs

should be used for the first six weeks. High protein, complete, balanced feed should be used. Fresh, cool water with electrolytes for the first few weeks is a good idea as well. Pine shavings/chips make a good bedding source and should be kept fresh.

After that, daily care and inspection now becomes the most important aspect. Watch to make sure chicks are eating, drinking, remaining thermally comfortable by not piling up, and don't show any signs of sickness or disease. Healthy chicks should be active and alert. Signs of sickness or disease can be lethargic, droopy chicks, chicks who can't stand, coughing, sneezing, watery eyes, labored breathing and sadly - dead chicks. When disease is suspected, get a reliable diagnosis and start treatment. Note that the number of veterinarians specializing in poultry is limited, but vets should be your go-to source for health questions and concerns.

Hopefully if you plan, prepare and follow all the steps discussed, you can have great success with a thriving poultry flock. You will have a source of meat in 8-24 weeks and eggs in 18-24 weeks. One thing to remember is that if you've not been used to daily chores, you will have them now! Be prepared to enjoy the benefits of poultry, but also the daily work that comes with it. Additional information can be found in the KSRE publication: Management of the Small Flock of Chickens, MF-2390.

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K-State animal science students named Reserve Champion in Academic Quadrathlon

The Kansas State University (K-State) Animal Sciences Academic Quadrathlon Team won the Reserve Champion title at the American Society of Animal Science Midwest meeting. The event was hosted in Madison, Wisconsin, March 12-13.

Members of the K-State team were Tara Hummel, Cabery, Illinois; Jacob Johnson, Ruth, Mississippi; Ellie Kidwell, Walhonding, Ohio; and Macie Weigand, Monona, Iowa.



Members of the 2023 K-State ASI Academic Quadrathlon Team from left are: Macie Weigand, Ellie Kidwell, Tara Hummel and Jacob Johnson.

The team placed first in quiz bowl and oral presentation. Twelve midwestern universities competed.

In the local competition Feb. 20-23, 16 teams including 64 students participated in four events: laboratory practicum, written exam, oral presentation and quiz bowl.

In the laboratory practicum, the teams solve hands-on problems involving animal science knowledge such as animal management and care.

The work at each station usually involves a species such as beef or swine or a disciplinary area such as physiology or meats.

The written exam questions involve any area related to animal science concepts and principles. Each team worked on one exam, dividing the questions as they choose.

In the oral presentation, students choose from a list of current, animal science-related topics such as "cultured meat," sustainability in animal

agriculture, or use of gene editing and in the quiz bowl, questions may be asked on any topic that relates to animal agriculture and can be answered quickly.

The team is grateful to Joe Ebert, retired vice president and general manager of Fourth & Pomeroy Associates of Clay Center and a 1971 K-State ASI graduate, for sponsoring the K-State Animal Sciences Academic Quadrathlon this year.

Jim Baldrige Outstanding Leadership Award scholarship increases for 2023

The Jim Baldrige Outstanding Leadership Award was designed to recognize one outstanding National Junior Angus Association (NJAA) member each year. In 2023, the scholarship awarded by the Angus Foundation will increase from \$2,500 to \$5,000. This prestigious award honors an NJAA member who exemplifies

excellent leadership and character through their Angus involvement and beyond.

In 2013, Bill and Betty Werner of Werner Angus, Cordova, Illinois, donated \$50,000 to the Angus Foundation to sustain a permanent endowment fund for the recipient of the Outstanding Leadership Award, in memory of Jim Baldrige. Since

then, this NJAA award has been known as the Jim Baldrige Outstanding Leadership Award and has supported many Angus youth in pursuing secondary education.

"We're excited to have the opportunity to provide recipients of the Jim Baldrige Outstanding Leadership Award even more sup-

port through this scholarship increase," said Jaclyn Boester, Angus Foundation executive director. "The Foundation is proud to invest in youth who exemplify the leadership qualities and strong character developed through NJAA involvement."

Nominations for the Jim Baldrige Outstanding

Leadership Award are due May 1. The application form can be found at www.angus.org/Foundation/WhatWeDo/Awards. It asks applicants to answer three essay questions, and provide their resume and two letters of recommendation. The recipient is selected by a judging committee and will be announced at

the 2023 National Junior Angus Show in Grand Island, Nebraska during the awards ceremony.

Since 1998, the Angus Foundation has awarded more than \$4.2 million in undergraduate and graduate scholarships. To learn more about the work of the Angus Foundation, visit AngusFoundation.org.

Special Female Offering by Blythe Family Farms
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785-349-2652 or 785-466-1883

Texas A&M Meat Science developing 'no nitrate-added' cured meat

Texas A&M Associate Professor of Meat Science Wes Osburn is researching a new no nitrate-added cured meat system.

Conventional curing of most processed meat products involves adding sodium nitrite to meat to preserve it and reduce the potential growth of bacteria like Clostridium botulinum or perfringens during cooking and chilling. Osburn and his team have set out to find an innovative method to generate the nitric oxide and residual nitrite

needed to cure meat and poultry products, but without the addition of natural or synthetic nitrite sources.

Knowing that nitrites and nitrates occur naturally in humans and in some foods, Osburn believes it is possible to add an amino acid, L-arginine, to the meat that activates the nitric oxide synthase (NOS) enzyme contained in it. The NOS enzyme converts L-arginine to nitric oxide and another amino acid, L-citrulline. "It could be that this approach is actually a 'natural curing process' by adding an amino acid to an enzyme whose primary function is to generate nitric oxide," Osburn said. "I'm not adding any nitrates or nitrites."

Holton Livestock Exchange, Inc.
 1/2 mile East of Holton, KS on 16 Highway
Livestock Auction every Tuesday at 11:00 AM
******STARTING TIME: 11:00 AM******

MARKET REPORT FOR TUESDAY, MARCH 28, 2023
 RECEIPTS: 2019 CATTLE
FOR FULL RESULTS, VISIT OUR WEBSITE:
WWW.HOLTONLIVESTOCK.COM

STEERS	HEIFERS
2 blk red Centralia 355@305.00	6 blk bwf McLouth 339@285.00
11 blk bwf McLouth 335@299.00	7 red blk Leavenworth 355@241.00
7 blk Wathena 354@297.00	7 blk Everest 407@240.00
5 blk bwf Wetmore 420@285.00	9 blk McLouth 436@236.00
6 blk bwf Goff 439@276.00	6 blk bwf Wetmore 465@228.00
12 blk males Easton 485@260.00	10 blk char Hoyt 531@226.00
73 blk bbf Holton 512@258.50	15 blk char Axtell 515@226.00
16 blk McLouth 496@253.00	19 blk bwf Baileyville 473@219.00
42 mix Axtell 461@247.00	14 mix Hiawatha 518@217.50
7 blk Lancaster 544@239.00	11 blk Everest 559@214.50
10 blk Wetmore 582@229.00	16 blk Axtell 592@198.00
24 mix Axtell 593@225.00	11 blk char Havensville 648@194.50
17 blk char Hoyt 629@224.00	12 blk Everest 663@193.50
20 mix Holton 540@221.00	17 blk red Eudora 603@192.50
12 blk red Circleville 691@214.00	23 blk bbf Mayetta 603@188.00
35 blk char Havensville 707@208.25	33 blk Eudora 697@187.75
28 blk Mayetta 633@200.00	34 blk char Havensville 758@186.00
15 blk char Hoyt 754@195.00	64 blk red Holton 824@175.00
18 mix Havensville 809@185.50	

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Pott County Conservation District sponsoring photography contest

The Pottawatomie County Conservation District is sponsoring a Photography Contest to recognize individuals who use photography to capture conservation images effectively and creatively. This competition is open to amateur photographers (those who earn less than 80% of their income from photography) and who are residents of or attend school in Pottawatomie County. One entry per individual will be accepted. The contest is open to all ages who want to enter.

Subject Matter: Any Conservation Practices: Examples: Buffer Strips, Cover Crops, Grassed Diversions or Waterways, Livestock Management, Ponds, Terraces, Pest Management, Pasture Planting, Streambanks, Tree Planting, Wildlife Habitats, Spring Developments, Wetlands, and Windbreaks.

Photo entries can be taken anytime from now until September 30, 2023 when the contest closes, and entries will need to be submitted.

For contest rules and questions please contact the Pottawatomie County Conservation District located at 501 State Street in Westmoreland or at (785) 457-3398.

JC LIVESTOCK SALES INC.
 Wednesday Sale, Hogs NOON • Cattle 12:30 PM

Results for March 29th, 2023

STEERS	4	475	222.00		
13	392	269.50	13	517	217.50
5	407	263.00	18	573	201.00
7	424	261.50	3	620	190.00
25	495	255.25	21	656	188.50
3	522	251.00	10	774	176.00
16	548	249.50	6	898	162.00
2	638	218.00	5	1035	161.00
2	680	214.00	6	1120	138.50
57	926	184.50			
63	880	179.75			
3	913	175.00			
HEIFERS					
12	357	235.00			
9	392	229.00			
13	457	224.50			

SPECIAL COW SALE — AT JC LIVESTOCK WEDNESDAY, APRIL 5 @ 12:30 P.M.
 See our Facebook page for updated consignment list, video, & pictures of cows. Calves and yearlings follow.

STARS OF KS CLUB LAMB & PIG SALE
FRIDAY, APRIL 7TH
 Viewing @ 5:45 P.M. Sale @ 7:00 P.M.
30 lambs ; 20+ pigs

Watch online with cattleusa.com (Tab J.C. Livestock Sales)
 Must register to bid.

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

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Seth Lauer 785-949-2285, Abilene

CLAY CENTER LIVESTOCK SALES INC.
 Cattle sales Tuesday, 11:00 AM.

Report from March 28th, 2023

STEERS:	20	561	200.00		
5	318	269.00	3	590	197.00
5	475	258.00	6	601	190.00
34	506	251.00	9	628	187.00
7	531	242.00	6	735	182.50
23	500	242.00	11	735	180.50
9	568	229.00	12	776	175.00
33	592	217.75	10	809	175.00
9	639	216.00			
12	693	202.75			
25	734	195.25			
3	828	178.00			
5	879	177.50			
HEIFERS:					
8	353	231.00			
20	397	219.00			
5	471	216.00			
21	504	207.00			

*** SPECIAL COW SALE ***
MON., APRIL 10TH @ 6:30 PM
 ~Call to consign~

Next Alternative Animal Sale
 Saturday, April 15th - Equipment, Poultry
 Sunday, April 16th - Tack, Hoofstock, Alt. Animals.
Admission Fee.
 Any questions, see our Facebook Page, Clay Center Alternative Animal Sales.

Clay Center, Ks • Barn Phone 785-632-5566
 Clay Center Field Representatives:
 Tom Koch, 785-243-5124, Lance Lagasse, 785-262-1185

KARL LANGVARDT Cell: 785-499-2945
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COWS: \$50-\$102.50; BULLS: \$113-\$129.00

BULLCALVES	6 blk	429@245.00	
8 mix	534@217.00	16 mix	485@240.00
5 blk	514@215.00	8 blk	494@231.00
HEIFERS			
9 mix	398@233.00	32 mix	472@226.00
7 blk	368@232.00	5 mix	490@199.00
7 mix	419@226.00	5 blk	506@239.00
6 mix	483@212.50	22 blk/blwf	538@239.00
7 blk	411@195.00	12 mix	566@239.00
31 mix	565@214.00	6 mix	536@231.00
31 mix	527@212.00	6 blk/wf	592@231.00
9 blk	586@211.00	9 red	567@229.00
14 blk/blwf	530@210.00	5 mix	504@227.00
5 mix	558@209.00	11 mix	546@222.00
6 blk	583@203.00	7 mix	596@218.00
8 blk	556@181.00	7 blk	624@238.00
6 rd	623@205.00	7 blk	688@226.00
10 mix	650@195.00	20 blk	698@223.00
6 blk	683@184.00	8 mix	684@221.00
70 blk/blwf	743@182.25	14 mix	618@208.00
8 blk	791@177.00	6 blk	644@205.00
5 mix	732@161.00	5 blk	704@204.00
65 blk/blwf	807@177.50	11 blk/blwf	783@197.25
6 mix	848@174.00	28 blk	801@186.25
10 mix	824@167.00	5 blk	852@184.25
12 blk	939@168.00	11 blk	847@182.25
PAIR		15 mix	828@181.00
7 blk	1694@1900.00	19 mix	835@181.00
STEERS		23 mix	932@186.00
10 mix	370@255.00		

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Dairy sector boasts 100 years of successful herd data collection

The U.S. dairy industry operates a comprehensive data collection program that records herd production information from farmers nationwide. The program provides crucial input for cattle breeding and genetics, and its cooperative structure ensures benefits for producers and scientists alike. A new study from the University of Illinois explores the program's century-old history, highlighting its relevance for modern agriculture and digital data collection.

"The National Cooperative Dairy Herd Improvement Program (NCDHIP) is an interesting case study because it illustrates how to translate the benefits of data collection for all dairy producers. Its model can serve as inspiration for other agricultural sectors," says

Jared Hutchins, assistant professor in the Department of Agricultural and Consumer Economics, part of the College of Agricultural, Consumer and Environmental Sciences at the U of I. Hutchins is lead author of the study, published in Applied Economic Perspectives and Policy.

The data collection program originally started in response to a new innovation in the dairy market. The Babcock test, introduced in 1890, provided a way to measure the butterfat composition of milk.

"Previously it was commonplace for dairy farmers to water down their milk to get paid more. But farmers were now paid on butterfat instead of milk weight. The Babcock test created a paradigm shift in dairy, giving producers an incentive to learn and

fund research about this new metric," Hutchins states.

With collection of herd production data, it became possible to evaluate which bulls sired the highest-producing cows - information that could only be obtained by aggregate results across farms. USDA scientists began using the data to publish bull evaluation lists, which dairy farmers could consult for breeding decisions.

The introduction of artificial insemination in the 1930s, and later the ability to freeze semen and ship it over large distances, dramatically increased the number of offspring each bull could produce. These new technologies greatly expanded the quantity of data available for breeding and genetics research, making it even more beneficial to producers.

The NCDHIP facilitates nationwide data collection through local Dairy Herd Improvement Associations (DHIAs). The first DHIA was established in 1905 by Helmer Rabild, a Danish immigrant who worked for the Michigan Department of Agriculture. He based the cooperative structure on milk testing cooperatives that existed in his native country of Denmark. Rabild was soon hired by the USDA to start DHIAs across the country, and the number of participating farmers rapidly increased.

Even with the proliferation of large farms in recent years, the program continues to be popular with producers. Hutchins says there are three key aspects which make the NCDHIP so successful.

"First, there are private benefits to producers,

which makes them want to be a part of this system and contribute their data to the platform. There is power in scaling up, getting data from many different farmers, and producing value for the whole sector. But farmers also gain immediate benefits, such as a benchmarking report," he notes.

Another crucial aspect is data interoperability, which means the program employs universal data standards that allow data across platforms to work with each other.

Finally, the cooperative data governance model gives producers control over how their data are used and processed. The NCDHIP is a collaborative agreement between the cooperatives, farmers, and the USDA.

"We often see a misalignment of the interests

of data producers and the people that hold and use the data. The NCDHIP has solved this problem in a very clever way with the cooperative structure," Hutchins states.

Other agricultural sectors may have one or two of these aspects, but Hutchins says dairy is unique in having all three, which is crucial for the system to work so well.

"We are currently in the midst of a digital revolution in agriculture, with so many novel ways to measure data. The question is what we do with the data, how it is controlled and managed, and how the benefits will be distributed. We wanted to show the dairy sector was able to leverage their data revolution in a way that benefited all dairy farmers," Hutchins concludes.

\$500,000 grant targets lack of air-quality data in swine production

A Purdue University team led by Jiqin (JQ) Ni has received a \$500,000 grant from the Foundation for Food and Agriculture Research to document air-quality issues surrounding pork production in partnership with the National Pork Board.

Particulate matter (PM) at high concentrations can affect the health of both workers and animals, as well as people living and working in neighboring areas. The U.S. Environmental Protection Agency classifies PM measuring less than 2.5 and 10 microns (much smaller than the width of a human hair) as the most hazardous. Although the problem is well known, the exact concentrations of such particulate matter within and outside of the swine barns at different times is poorly understood, said Ni, a professor of Agricultural and Biological Engineering.

"We don't have enough data. One of the issues is the lack of appropriate measurement technology," Ni said.

Collaborating with Ni on the project are Jae Hong Park, assistant professor in the School of Health Sciences in the College of Health and Human Sciences, and Brian Richert, associate professor of Animal Sciences in the College of Agriculture. Richert specializes in swine nutrition and management and will design the swine barn test environment to operate under a range of controlled conditions and particulate matter concentrations. Park, a certified industrial hygienist, focuses on aerosol science and technology.

"Anything in the air, that's my target," said Park, who develops both sensors and samplers. For this project, Park will develop a sensor station that consists of several air-quality sensors.

In addition to particulate matter, swine barns generate gases such as ammonia that may attach to dust. "A swine farm and its surrounding area is a very complex environment," Park said.

Particulate matter concentrations change greatly with different ventilations and weather conditions. In summer, swine barns increase ventilation rates by operating more fans and opening inlets and curtains. In winter, the barns operate with minimal ven-

tilation to keep pigs warm. These different conditions affect both indoor and outdoor particulate matter concentrations.

These changing concentrations should be monitored and mapped, but the technologies that can do the job are expensive, difficult to operate and slow to produce results.

"There are many commercially available technologies for particulate matter measurement. But none of them are designed for agriculture and livestock use," Ni said. In the dynamic world of livestock and poultry production, such as swine farms, active animals stir up particulate matter of different sizes and concentrations in the air. Most of the particulate matter will settle quickly, while some will be blown out of the barns through the fans.

"Our objective is to develop a new technology that is low cost, with a faster response and easy to use," Ni said. After carefully selecting particulate matter sensing units from the commercially available models, his team will develop the needed sensor unit combined with software and a solar power supply.

"In the lab, we can compare these low-cost sensors with the expensive instruments," Park said. The tests involve collecting dust from the swine barn, then blowing it from a cylinder into a test chamber connected to the sensors.

"That will give us confidence that this new technology will generate accurate concentration measurement data," Ni said. "We will develop a laboratory system to calibrate our technology to make sure it is compatible with high-end technology. We will also validate the technology in field condi-

tions."

The first tests will get under way in the controlled environment swine barn at Purdue's Animal Science Research and Education Center. There, researchers will monitor the concentrations of particulate matter at different locations in rooms that house pigs at all stages of their development, from nursing during lactation to fully grown.

The team also will validate the technology at commercial swine farms in Indiana and Ohio.

"We will have stakeholders closely involved," Ni said. The new technology will be compared against the commercially available instruments in side-by-side tests at different locations.

"We will measure the PM concentration from the air inside the swine barn, near the exhaust fans and several hundred feet away

at different distances from the barn," he said.

More modifications and improvements to the system will then follow as needed. Once completed, Park said, the work will have potential applications in barns and housing for not only swine but also poultry and other livestock and for handling powders in the food industry.

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Tues., April 11th - Calf/Yearling Special
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Market Report - Sale Date 3-30-23. 798 head

300-400 lb. steers, \$220-\$238; heifers, \$201-\$225; 400-500 lb. steers, \$205-\$239; heifers, \$184-\$222; 500-600 lb. steers, \$200-\$239; heifers, \$180-\$208; 600-700 lb. steers, \$190-\$223; heifers, \$161-\$191; 700-800 lb. steers, \$181-\$199; heifers, \$170-\$189; 800-900 lb. steers, \$170-\$181; heifers, \$157-\$175.50. **Trend on Calves:** Calves under 550 lbs. steady; over 550 lbs. steady-\$5 higher on a mixed offering. **Trend on Feeder Cattle:** Fdr hrs steady-\$4 higher; no test on str. **Butcher Cows:** High dressing cows \$94-\$102.50; Avg. dressing cows \$80-\$93; Low dressing cows \$65-\$75. **Butcher Bulls:** Avg. to high dressing bulls \$89-\$121. **Trend on Cows & Bulls:** Steady.

Some Highlights Include:

HEIFERS	5 blk	413@234.00	
10 mix	409@206.00	10 mix	488@227.00
10 blk467@189.50 (unweaned)	9 blk	490@239.00	
15 mix	517@196.00	28 red	547@233.00
8 blk	614@190.00	8 mix	549@229.00
13 blk	685@183.50	23 blk bulls	566@214.00
17 blk	739@189.00	8 blk	621@220.00
9 blk	776@180.50	19 mix bulls	656@203.00
9 blk	813@177.50	4 blk	738@199.00
42 mix	836@175.50	5 blk	806@181.00
69 mstly blk	887@170.75	5 blk	861@179.25
STEERS			
2 bwf	300@237.00		

Next Sale: Thursday, April 6

- 13 mixed steers & heifers, 400-450lbs

Thursday, April 13

- 13 mixed st
- 32 mixed steers & heifers, home raised, double vaccinated, 450-650lbs
- 90 mixed steers & heifers, home raised, long weaned, 450-650lb-steers & heifers, 400-450lbs

SPECIAL COW SALE Saturday, April 15

- 75 black replacement heifers, calf hooded, ready to breed
- 26 Angus heifer pairs, heifers originally from Blythe Angus Ranch and calves AI sired.
- 11 Angus heifer pairs, heifers originated from Wyoming, calves worked
- 30 Angus heifer pairs
- 10 mixed heifer pairs
- 6 Red Angus 3-4 year old pairs, 250lb calves at side
- 15 black 3-6 year old pairs, calves are black & red and have been worked
- 65 Angus 6-8 year old pairs, Fink genetics, calves 30-45 days old
- 20 SimAngus running age pairs
- 60 Fall Angus 3-5 year old bred cows calve Sept. 15th for 75 days
- 35 Fall black bred cows, 3-6 year old cows
- 46 Red Angus/Red Angus cross Fall 4-8 year cows bred to Registered Red & Black Angus bulls
- 20 mixed 3-9 year old Fall calving cows bred to Registered Red Angus bulls. Will calve September 20th for 30 days
- 28 Fall running age bred cows, vaccinated in December
- 3 Registered Red Angus 18 month old virgin bulls - have been trich and semen tested sound
- 19 Black Angus heifers bred to Ruffell Angus bulls to calve August 1st for 45 days

GO TO OUR WEBSITE FOR DAILY CONSIGNMENT UPDATES
WWW.ELDORADOLIVESTOCK.COM

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

Check our website & Facebook for updated consignments: www.eldoradolivestock.com
To stay up to date on our latest announcements you can "Like" us on Facebook

Josh Mueller Owner/Barn Manager (316) 680-9680	Van Schmidt Auctioneer/Fieldman (620) 345-6879
Seth Greenwood Asst. Barn Manager/Fieldman (620) 583-3338	Charly Cummings Auctioneer/Fieldman (620) 496-7108
Kyle Criger Fieldman (620) 330-3300	Brandon Fredrick Fieldman (620) 204-0841

Cattle Sale Every Thursday 11:00 AM

MARYSVILLE LIVESTOCK INC. Every Thursday at 12 Noon

1180 US Hwy. 77, P.O. Box 67, Marysville, KS 66508

Bob Holle, Manager • 785-562-1015

TO SEE OUR LATEST DETAILED MARKET REPORTS AND UPCOMING CONSIGNMENTS AND SPECIAL SALES
www.marysvillivelivestock.com

Market Report for 3-30-23. 2254 Head Sold.

STEERS/BULLS	Individual Report	COW/CALF PAIRS:
BEEF	STEERS	N/T
300-400# \$308.00-\$240.00	3 blk@368# \$308.00	BRED HEIFERS:
400-500# \$282.00-\$235.00	11 blk@374# \$301.00	N/T
500-600# \$264.00-\$220.00	26 blk@488# \$272.00	BRED COWS:
600-700# \$238.00-\$201.00	17 blk@570# \$261.50	N/T
700-800# \$206.00-\$188.00	17 blk@616# \$238.00	HFRTS:
800-900# \$195.75-\$182.00	143 blk@697# \$216.00	\$153-\$121
900-1,000# \$185.00-\$174.00	14 blk@755# \$206.00	COWS-HIGH YIELDING:
	18 bwf@825# \$195.00	\$105-\$88
	120 mix@903# \$185.00	COWS-LGT WT & LOW YIELDING:
	58 mix@924# \$184.75	\$85-\$61
HEIFERS	HEIFERS	BULLS:
300-400# \$251.00-\$220.00	5 mix@300# \$251.00	\$127-\$105
400-500# \$241.00-\$213.00	13 blk@402# \$241.00	
500-600# \$240.00-\$204.00	10 blk@529# \$240.00	
600-700# \$207.00-\$187.00	17 blk@643# \$207.00	
700-800# \$189.00-\$175.00	6 mix@738# \$189.00	
800-900# \$183.00-\$168.00	24 mix@704# \$189.00	
900-1000# N/T	14 blk@842# \$173.00	
	7 blk@919# \$168.00	

FIELDMEN

Jim Dalinghaus 785-799-5643 Baileyville, KS	Dave Bures, Auctioneer 402-239-9717 Odel, Nebraska	Jeff Cook 785-564-2173 Hanover, KS	Greg Anderson 785-747-8170 Waterville, KS
Trevor Lundberg 785-770-2271 Frankfort, KS	Taylor Schotte 785-268-0430 Marysville, KS	Bill Keesecker 785-410-6117 Washington, KS	Greg Schultejan 785-294-0676 Corning, KS

GSI
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Hopper Bins Available
FINANCING AVAILABLE
Harder AG PRODUCTS
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PEABODY, KANSAS 66866
Phone 620-983-2158
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Herington LIVESTOCK COMMISSION Co.

CATTLE SALE EVERY WEDNESDAY: 12:00 PM

Results for March 29, 2023

— COWS / HFRTS / BULLS —

Weight	Price Range	Lost Springs	Abilene	Council Grove	Abilene	Marion	Lost Springs	Marion
Cows: 1085-1395	\$80.00-\$97.00	8 blk	13 blk	21 blk	72 blk	26 mix	18 blk	7 blk
Bulls: 1860-2355	\$115.00-\$132.50							
Heifers: 848-1115	\$111.00-\$134.00							

— TOP STRINGS OF EACH CLASS —

STEERS	HEAD	WEIGHT	PRICE
Marion	4 blk	594	\$221.00
Lost Springs	8 blk	626	\$219.00
Lost Springs	17 blk	791	\$182.25
Marion	29 blk	816	\$182.00
Marion	5 blk	831	\$177.25
Hope	60 mix	912	\$175.50
Marion	49 blk	937	\$175.00
Marion	27 blk	980	\$167.50
Ramona	58 mix	1066	\$165.00

HEIFERS

Herington	11 mix	269	\$258.00
Herington	5 blk	396	\$220.00
Council Grove	6 blk	602	\$204.00

SPECIAL CALF SALE
APRIL 5, 2023

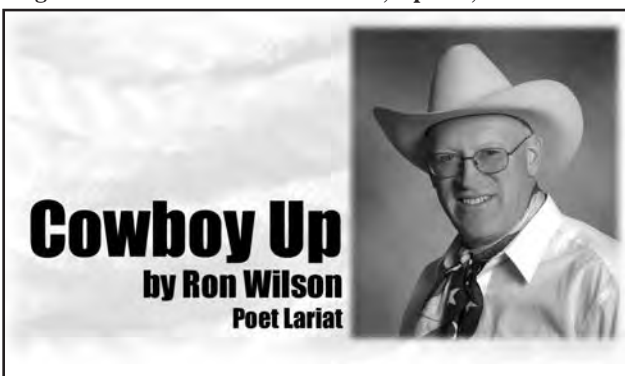
- Wilson/Loe - 45-80 blk str & hrs, long wean., 2 rd shots, hay fed, bunk broke, 600-800#
- 140 blk hrs, home raised, long weaned, shots, 728-850#
- 30 blk hrs, home raised, long weaned, shots, 625-775#
- 62 Red Ang/ Char X str & hrs, home raised, long wean., 2 rd shots, 650-650#
- 46 Char X str & hrs, long wean., 600-700#
- 80 Red & blk str & hrs, home raised; off cow; 400-800#
- 40 blk & Red str & hrs, blk & Red, home raised, off cow, shots; 400-800#
- 47 BWF/BWF str & hrs, home raised, shots, 400-500#
- 120 blk & Red str, 850-925#
- 40 blk str, home raised, 3 wk wean, 2 rd shots, 800-800#

PLUS MORE BY SALE TIME

Manager: Tracy Ediger, 785-366-6645 * Barn Phone: 785-258-2205

Seth Bartel, 620-382-7041 • Tate Becker, 785-258-4165
Dave Bures, 402-766-3743 • Tim Wildman, 785-366-6152

KFRM AM 550, Every Wed., 8:00 a.m. • www.HeringtonLivestock.com



Cowboy Up
by Ron Wilson
Poet Lariat

Capitol Idea

The vote was unanimous. Legislators shouted "Aye." There were no No votes. Then legislators stood and applauded this recognition of the history of the American west. It was a wonderful day in Topeka.

The Kansas Legislature members work hard to develop policy and budget for our state. They also take time to recognize historical achievements. In this case, they were celebrating the 150th anniversary of the Ellsworth Route of the Chisholm Trail.

The Chisholm Trail was blazed from Texas to Abilene by Joseph McCoy in 1867. In 1873, an additional route was surveyed by the Kansas Pacific Railroad. This route followed the Chisholm Trail to northern Indian Territory

(now Oklahoma) and then diverged to the northwest, passing through south central Kansas and ending at Ellsworth. 2023 marks the 150th anniversary of the Ellsworth Route.

Dennis Katzenmeier of Ellsworth is president of the International Chisholm Trail Association. As a western history buff, I and others volunteer with this association as well. ICTA's purpose is to promote the history of this historic cattle trail. This year Ellsworth is leading the effort to celebrate this anniversary.

Six years ago the Kansas Senate passed a resolution commemorating the anniversary of the original Chisholm Trail, so we thought it would be nice to do this for the Ellsworth Route as well.

State Representative Troy Waymaster, whose district includes Ellsworth, was great. He drafted a resolution in honor of the anniversary and took it to the full Kansas House of Representatives for consideration. Not only that, he invited volunteers from ICTA to attend the House session at that time.

When the day came for the resolution to be considered, it was an amazing experience. In our hats and boots, we made our way to the capitol building and then to the House chamber. Thanks to Representative Waymaster, we were granted floor passes to go onto the House floor with the 125 legislators. The session was called to order with a prayer and flag salute. As the business session began, we were able to stand behind Representative Waymaster as he spoke articulately about the role of the cowboy, the importance of the Chisholm Trail, and the history of the trail's arrival in Ellsworth. Then he asked for a vote on his commemorative resolution.

The Speaker of the House called for a vote. There was a resounding chorus of Aye votes. Not a single No vote was heard. Legislators stood and gave

an ovation as we left the chamber. It was a recognition of the rich history of the cowboy and the American West in Kansas.

As Dr. Jim Hoy has frequently noted, if it wasn't for the cattle trails to Kansas, there wouldn't have been a cowboy. That legacy also set the stage for the modern and successful beef industry we have today.

While in Topeka, we took a minute to admire the beautiful Kansas capitol building. The artwork showed an appreciation of the role of cowboys in Kansas during past years. On the Walk of Honor outside the building, there is a plaque honoring Joseph McCoy. Inside the statehouse, in the second floor rotunda, there is a colorful mural showing the longhorns being loaded onto the train in Abilene. One floor below, there is a scene showing thousands of longhorns on the trail, being herded by a group of drovers. Below the mural is a plaque marked "The Chisholm Trail."

I appreciate our legislators taking time to recognize this valuable history. They get a big Yes vote from me.

Cowboys at the Capitol

By Ron Wilson, Poet Lariat

Some old time cowboys visited the Kansas Statehouse, Packed with legislators and lobbyists, and positions they espouse. They saw folks coming in from every county and city, Hurrying from caucuses to meetings of committee. It was the Chisholm Trail group that brought them in that day. A tour guide was showing them the artwork on display. There were murals showing scenes of history that we prize, From Coronado's visit to John Brown's fanatic eyes. There's a scene of a farm family and a great big Hereford bull, Plus the westward wagon trains, packed and loaded to the full. Statues of Dwight Eisenhower and Amelia Earhart could be seen, Plus the mural of Texas longhorns, loaded up in Abilene. They stopped in the rotunda, stared at the dome up high above. One cowboy asked the other, "What is it you're a-thinkin' of?" His buddy shook his head with wonder on his face, And said, "They sure could stack a lotta hay inside this place."

Happy Trails!

Spring fires



A landowner took advantage of a windless evening last week to conduct a controlled burn. Photo by Donna Sullivan

Grass & Grain Weather Report

April 5, 2023

Seven Day Forecast	In-Depth Local Forecast	Today's Local Outlook																																																						
<p>WEDNESDAY Mostly Sunny High: 54 Low: 28</p> <p>THURSDAY Partly Cloudy High: 57 Low: 32</p> <p>FRIDAY Mostly Cloudy High: 61 Low: 34</p> <p>SATURDAY Cloudy High: 62 Low: 37</p> <p>SUNDAY Sunny High: 64 Low: 38</p> <p>MONDAY Sunny High: 65 Low: 40</p> <p>TUESDAY Sunny High: 61 Low: 34</p>	<p>Today we will see mostly sunny skies, high of 54°, humidity of 29%. West wind 18 to 22 mph. The record high for today is 92° set in 2000. Expect partly cloudy skies tonight, overnight near record low of 28°. East wind 11 to 18 mph. The wind chill for tonight could reach 21°.</p> <p>Last Week's Almanac</p> <table border="1"> <thead> <tr> <th>Date</th> <th>HI/LO</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr> <td>3/24</td> <td>55/36</td> <td>60/33</td> <td>0.13"</td> </tr> <tr> <td>3/25</td> <td>62/36</td> <td>60/33</td> <td>0.06"</td> </tr> <tr> <td>3/26</td> <td>42/35</td> <td>61/34</td> <td>0.00"</td> </tr> <tr> <td>3/27</td> <td>50/24</td> <td>61/34</td> <td>0.02"</td> </tr> <tr> <td>3/28</td> <td>54/29</td> <td>61/35</td> <td>0.01"</td> </tr> <tr> <td>3/29</td> <td>66/29</td> <td>62/35</td> <td>0.00"</td> </tr> <tr> <td>3/30</td> <td>75/44</td> <td>62/35</td> <td>0.00"</td> </tr> </tbody> </table> <p>Rainfall 0.22" Normal rainfall 0.46" Departure -0.24" Average temp. 45.5° Average normal. 47.6° Departure -2.1°</p>	Date	HI/LO	Normals	Precip	3/24	55/36	60/33	0.13"	3/25	62/36	60/33	0.06"	3/26	42/35	61/34	0.00"	3/27	50/24	61/34	0.02"	3/28	54/29	61/35	0.01"	3/29	66/29	62/35	0.00"	3/30	75/44	62/35	0.00"	<p>Today's Local Outlook</p> <table border="1"> <thead> <tr> <th>Location</th> <th>High/Low</th> </tr> </thead> <tbody> <tr> <td>Washington</td> <td>58/36</td> </tr> <tr> <td>Blue Rapids</td> <td>52/25</td> </tr> <tr> <td>Seneca</td> <td>52/24</td> </tr> <tr> <td>Clay Center</td> <td>52/26</td> </tr> <tr> <td>Manhattan</td> <td>54/28</td> </tr> <tr> <td>Wamego</td> <td>54/28</td> </tr> <tr> <td>Ogden</td> <td>53/26</td> </tr> <tr> <td>Junction City</td> <td>54/28</td> </tr> <tr> <td>Abilene</td> <td>54/28</td> </tr> <tr> <td>Council Grove</td> <td>55/29</td> </tr> </tbody> </table>	Location	High/Low	Washington	58/36	Blue Rapids	52/25	Seneca	52/24	Clay Center	52/26	Manhattan	54/28	Wamego	54/28	Ogden	53/26	Junction City	54/28	Abilene	54/28	Council Grove	55/29
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<p>Local UV Index</p> <p>0-2: Low, 3-5: Moderate, 6-7: High, 8-10: Very High, 11+: Extreme Exposure</p>	<p>Weather History</p> <p>April 5, 1955 - The Northern Rockies and the Northern High Plains were in the midst of a four day storm which produced 52 inches of snow at Lead, located in the Black Hills of western South Dakota.</p>	<p>Growing Degree Days</p> <table border="1"> <thead> <tr> <th>Date</th> <th>Degree Days</th> <th>Date</th> <th>Degree Days</th> </tr> </thead> <tbody> <tr> <td>3/24</td> <td>0</td> <td>3/28</td> <td>0</td> </tr> <tr> <td>3/25</td> <td>0</td> <td>3/29</td> <td>0</td> </tr> <tr> <td>3/26</td> <td>0</td> <td>3/30</td> <td>9</td> </tr> <tr> <td>3/27</td> <td>0</td> <td></td> <td></td> </tr> </tbody> </table>	Date	Degree Days	Date	Degree Days	3/24	0	3/28	0	3/25	0	3/29	0	3/26	0	3/30	9	3/27	0																																				
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Sell At St. Marys
Sell Or Buy Cattle By Auction STARTING TIME 10:30 AM Tuesdays

We sold 1604 cattle March 28. There was good demand for steer and heifer calves at steady prices. Feeder steers and heifers were steady to \$5.00 higher. Cows and bulls were \$2.00-3.00 higher.

STEER & BULL CALVES	84 blk/red str	618 @ 230.00	4 blk/bwf hfrs	453 @ 211.00	1 red cow	1725 @ 99.00	BULLS	1 blk bull	1395 @ 120.00
4 blk/bwf str	371 @ 277.00	11 blk/bwf str	589 @ 222.25	15 blk hfrs	455 @ 210.00	1 bwf cow	1510 @ 98.00	1 blk bull	1975 @ 128.00
8 blk bulls	346 @ 277.00	6 blk str	558 @ 219.00	8 blk/red hfrs	324 @ 205.00	1 bfw cow	1300 @ 97.50	1 blk bull	1275 @ 122.00
5 blk str	394 @ 274.00	11 blk/char str	625 @ 215.00	4 blk hfrs	518 @ 199.00	2 blk/bwf cows	1195 @ 97.00	1 blk bull	1935 @ 121.50
5 blk str	388 @ 273.00	3 blk str	668 @ 211.00	4 blk/red hfrs	463 @ 198.00	1 blk cow	1715 @ 96.50	1 blk bull	1875 @ 121.00
6 blk bulls	438 @ 272.00	21 blk/bwf str	717 @ 210.00	25 blk/red hfrs	538 @ 197.00	1 char cow	1250 @ 96.00	1 blk bull	1715 @ 96.50
8 blk/red str	431 @ 271.00	17 blk/bwf str	703 @ 208.00	8 blk/bwf hfrs	447 @ 195.00	1 blk cow	1315 @ 95.50	1 blk bull	1685 @ 95.00
12 blk/bwf str	395 @ 270.00	13 blk/red str	728 @ 200.00	8 blk hfrs	536 @ 190.00	1 wf cow	1685 @ 95.00	1 blk bull	1715 @ 96.50
4 blk/char str	409 @ 269.50	7 blk str	778 @ 192.00	3 blk/red hfrs	493 @ 181.00	1 blk cow	1360 @ 94.50	1 red bull	1875 @ 121.00
20 blk/bwf str	413 @ 266.00	64 blk/char str	837 @ 190.00	25 blk/red hfrs	538 @ 197.00	1 hol cow	1345 @ 94.00		
4 blk str	398 @ 265.50	62 blk str	887 @ 189.85	4 blk hfrs	573 @ 178.00	1 blk cow	1340 @ 93.50		
2 blk str	365 @ 265.00	9 blk/red str	739 @ 183.00	6 blk/wf hfrs	711 @ 170.00	1 wf cow	1685 @ 95.00		
8 blk str	451 @ 263.00	59 blk/char str	889 @ 177.00	33 blk hfrs	663 @ 168.50	1 blk cow	1360 @ 94.50		
5 blk str	403 @ 260.50	62 blk/char str	923 @ 175.75	68 blk/char hfrs	719 @ 168.00	1 blk cow	1560 @ 90.00		
8 red/blk str	365 @ 260.00	28 blk/char str	832 @ 174.00	63 blk/red hfrs	826 @ 166.00	1 blk cow	1305 @ 89.00		
24 blk/bwf str	541 @ 253.00	62 blk str	927 @ 173.75	15 mix hfrs	705 @ 162.00	1 red cow	1575 @ 88.00		
25 blk str	517 @ 250.00	60 blk/char str	954 @ 172.85	23 blk hfrs	909 @ 150.00	1 red cow	1165 @ 87.00		
3 x-bred str	398 @ 248.00	46 blk str	881 @ 171.00			1 bfw cow	1175 @ 86.00		
6 blk str	507 @ 241.00	61 mix str	963 @ 170.50			1 blk cow	1225 @ 85.00		
3 blk str	515 @ 240.00	11 blk str	1202 @ 142.50			1 sim cow	1265 @ 84.00		
18 blk str	524 @ 240.00					1 x-bred cow	1000 @ 83.00		
5 x-bred str	504 @ 238.00								
4 blk/bwf str	528 @ 238.00	HEIFER CALVES				BRED COWS & HEIFERS			
3 blk str	502 @ 237.00	4 blk/red hfrs	334 @ 224.00	COWS & HEIFERETTES		2 red cow	@ 1485.00		
3 blk str	530 @ 237.00	6 blk/char hfrs	410 @ 223.00	1 bfw hfrt	1050 @ 150.00	1 blk cow	@ 1400.00		
6 blk/bwf str	472 @ 235.00	8 blk hfrs	383 @ 221.00	1 blk hfrt	975 @ 149.00	5 blk/bwf hfrs	@ 1385.00		
3 blk/red str/bulls	330 @ 232.00	7 blk hfrs	325 @ 219.00	1 blk hfrt	990 @ 148.00	1 blk cow	@ 1360.00		
5 blk/red str	511 @ 225.00	22 blk/bwf hfrs	410 @ 217.00	1 blk hfrt	830 @ 139.00	1 rn cow	@ 1325.00		
7 blk/red str/bulls	508 @ 224.00	7 blk hfrs	406 @ 214.00	1 blk hfrt	825 @ 121.00	1 blk cow	@ 1310.00		
10 x-bred str	492 @ 223.00	12 blk/bwf hfrs	441 @ 213.50	1 blk hfrt	1155 @ 120.00	1 blk cow	@ 1300.00		
3 bfw bulls	505 @ 214.00	9 blk/red hfrs	408 @ 213.00	1 blk hfrt	1155 @ 120.00	1 blk cow	@ 1010.00		
		8 blk hfrs	418 @ 213.00	2 blk/bwf cows	1055 @ 119.00				
		3 bfw hfrs	312 @ 212.00	1 blk cow	1225 @ 109.50				
		5 blk hfrs	380 @ 211.00	1 rn cow	1560 @ 106.00				
				1 blk cow	1565 @ 103.50				
				1 blk cow	1345 @ 103.00				
				1 blk cow	1380 @ 102.50				
				1 bfw cow	1320 @ 100.00				

STOCKER & FEEDER STEERS
22 blk/red str 559 @ 234.00

STOCKER & FEEDER HEIFERS
30 blk/char hfrs 550 @ 193.00
4 blk hfrs 573 @ 178.00
6 blk/wf hfrs 711 @ 170.00
33 blk hfrs 663 @ 168.50
68 blk/char hfrs 719 @ 168.00
63 blk/red hfrs 826 @ 166.00
15 mix hfrs 705 @ 162.00
23 blk hfrs 909 @ 150.00

CONSIGNMENTS FOR TUESDAY, APRIL 4, 2023:
• 130 blk str & hfrs, 550-625 lbs., 45-60 days weaned, vaccinated, home raised
• 28 Angus Gelv str & hfrs, 450-550 lbs., vacc.
• 40 blk str & hfrs, 450-550 lbs., vaccinated
• 30 blk char str & hfrs, 350-500 lbs., weaned, vaccinated
• 40 blk str & hfrs, 650-800 lbs., weaned, vacc.
• 64 blk heifers, 650-750 lbs.
• 62 blk red steers, 850-875 lbs.
• 60 blk char steers, 925-950 lbs.
• 61 blk xbred steers, 900-925 lbs.

CONSIGNMENTS FOR TUESDAY, APRIL 11 2023:
• 10 blk cows, 5 yrs old-short solid w/January calves
• 13 blk cows with fall calves short solid mouth running back with Hereford bull 12/19-2/11, sires of calves will be sold separate

CONSIGNMENTS FOR TUESDAY, APRIL 18 2023:
• 75 Red Angus str & hfrs, 400-500 lbs., vacc.
• 35 blk str & hfrs, 500-600 lbs., weaned, vacc.

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

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

FOR INFORMATION OR ESTIMATES:
 REZAC BARN ST. MARYS, 785-437-2785
 DENNIS REZAC ST. MARYS, 785-437-6349
 DENNIS' CELL PHONE 785-456-4187
 KENNETH REZAC ST. MARYS 785-458-9071
 LELAND BAILEY TOPEKA, 785-215-1002
 LYNN REZAC ST. MARYS, 785-456-4943
 REX ARB MELVERN, 785-224-6765

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

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