



# Schwieterman Market Outlook

A marketing commentary by Bret Crofts

The June Supply and Demand Report turned out to be quite the yawner. There were no changes at all to the U.S. corn balance sheet, and very few to the wheat and soybeans. It wasn't really a surprise that there weren't any changes, and traders quickly went back to focusing on the weather and the progressing wheat harvest.

It was the weather that got the corn out of the sideways trading range and the Minneapolis wheat to new contract high. The Drought Monitor is worsening in the Dakotas and there will be quite a string of high temperatures through a big part of the Corn Belt. There are rain chances late in the

week for parts of the Corn Belt and traders are going to be watching the forecasts very closely. Although corn condition ratings improved in the last report, and may again Monday, there is a very good chance that the ratings fall on the 19th. With condition ratings starting well below last year, traders will get very nervous if we see early declines in the ratings. In addition to that, we can also plan on the spring wheat conditions making further declines due to lack of rain. Some of northern North Dakota will like get some rains, but much of the spring wheat belt is going to get missed.

On the charts, things are

looking much more bullish than they did a week ago. The July corn moved out of the sideways range and is now testing the March high of \$3.93 3/4. If we take that out, there really isn't much chart resistance until we reach the continuation chart highs, which are at the \$4.35 area. The December contract has already traded through the March high and that contract looks like it will be moving up to the \$4.20 area as long as traders are a little nervous about the weather. The funds still have a lot of short positions they might get out of and money flow alone can move the market quite a ways.

The wheat charts are

looking better as well. The July KW is made multi-week highs and as mentioned earlier, the Minneapolis wheat made new contract highs. The next chart point to look at for the July KW is the trend line resistance at the \$4.63 area. There is a good chance that we test that resistance next week. We have seen some improvement in the Kansas City vs. Chicago spreads thanks to the strength in Minneapolis wheat. This is going to be another good year for protein premiums, so if you can, figure out how to store any wheat with high protein.

The soybean market is lagging behind the corn and wheat, but we did get a nice turn higher in the beans, meal, and oil this week. The next upside objective for the July soybeans will be the 50-day moving average at the \$9.52 area. Demand is good and it was very surprising that we did not see an increase in the old crop export estimate. We will at some point, which will make the

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supply and demand tables look better, but the problem with the soybean market is still the supply side of the equation. Unless we see a severe weather problem, it will be very difficult to ever draw stocks down enough to create a bullish atmosphere in the market.

We saw the live cattle make new contract highs, with the exception of the June contract, then then slip to negative territory for the week. Basically we are looking at a double top in the June and August live cattle, which looks pretty ominous. It would have helped if the cash cattle trade was higher, but that was basically non-existent. The feeder market and the feeder index are still moving higher, but we will have to see the cash cattle market improve in order to regain some upward momentum. The short term fundamentals still seem pretty bullish, so I don't think we are ready to see a change in trend.

Schwieterman Marketing,

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L.L.C. specializes in risk management and cash grain and livestock marketing plans. For information on the markets or our marketing service you can contact Bret Crofts at 888-437-9131 or bret@swbell.net.

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## Pork Checkoff builds momentum for secure Pork Supply Plan

The National Pork Board, with major support from the U.S. Department of Agriculture, is creating a Secure Pork Supply plan to help America's pig farmers

respond quickly and successfully to a major threat, such as a foreign animal disease (FAD). The plan will enhance communication and coordination of all pork

chain segments to help producers keep their farms operating and all related business activities functioning.

"We're thankful that our country has not experienced a disease such as foot-and-mouth (FMD) since 1929," said Terry O'Neel, National Pork Board president from Friend, Nebraska. "However, if we get the news that FMD, African swine fever or another foreign animal disease has arrived, the Secure Pork Supply plan will pay big dividends by getting pork production back to normal much faster."

An Iowa State University study estimates potential revenue losses to U.S. pork and beef industries from an FMD outbreak would run \$12.8 billion per year

or \$128 billion over a ten-year period. Related losses to corn and soybean markets over a decade would be \$44 billion and \$24.9 billion, respectively.

The Secure Pork Supply plan will provide procedures that pork producers, processors and federal/state agencies agree are feasible should an FAD strike, according to veterinarian Patrick Webb, director of swine health programs for the Pork Checkoff. This would include the safe movement of animals from farms in an FAD control area to harvest channels or to other production sites as long as the pigs have no evidence of disease.

"The Secure Pork Supply plan will provide business continuity to producers who

enroll prior to an outbreak, which will allow them to be back in business faster than those who do not participate," Webb said.

Basics of the plan that will help producer achieve this include implementing sound biosecurity, using premises identification tags, keeping detailed production records and maintaining all necessary health papers and certificates.

"As a pork producer, I want to be ready when it's time to sign up as a participant in the Secure Pork Supply program," O'Neel said. "In the meantime, let's all prepare by ramping up our farms biosecurity measures and other steps so we'll be ready to go."

The Secure Pork Supply

plan is the result of ongoing collaboration between the USDA, the National Pork Board, the National Pork Producers Council, the American Association of Swine Veterinarians and academia as well as other state and federal partners.

"The National Pork Board and our producer leaders believe that investing in the Secure Pork Supply Plan now will help the entire industry in the face of a future FAD outbreak," said Bill Even, National Pork Board CEO. "Pork producers are known for being innovative leaders, and through this work, the Pork Checkoff is taking a leadership role in being prepared."

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|   |             |                               |            |
|---|-------------|-------------------------------|------------|
| <b>A seasonal run of cattle found very good interest for our sale Friday, June 9. All classes sold at fully steady prices according to quality and condition.</b> |             |                               |            |
| <b>STEER CALVES— 300-550 LBS.</b>   |             |                               |            |
| Pomona 9 blk  | 457@201.25  | Manhattan 2 blk               | 355@179.00 |
| Cttndw Falls 4 blk  | 450@198.50  | Pomona 9 blk                  | 445@171.50 |
| Manhattan 2 bwf   | 445@195.00  | Manhattan 3 blk               | 440@170.00 |
| Alma 2 bwf  | 485@193.00  | Holton 3 blk                  | 386@169.50 |
| Cttndw Falls 3 Cross  | 318@185.00  | Oskaloosa 2 blk               | 365@169.00 |
| Sabetha 5 blk   | 531@176.00  | Sabetha 3 blk                 | 543@168.00 |
| Manhattan 6 blk   | 547@173.75  | Manhattan 2 blk               | 437@167.00 |
| Leonardville 4 Jersey   | 341@94.00   | Baileyville 2 blk             | 365@167.00 |
| <b>FEEDER STEERS — 550-775 LBS.</b>   |             |                               |            |
| Beattie 3 blk   | 600@178.00  | Oskaloosa 5 blk               | 473@165.00 |
| Baileyville 2 blk   | 610@170.00  | Sabetha 3 blk                 | 468@164.50 |
| Alma 7 blk  | 602@169.75  | Holton 2 blk                  | 505@162.00 |
| Pomona 22 blk   | 587@168.50  | Baileyville 3 blk             | 440@161.00 |
| Cttndw Falls 2 blk  | 597@165.00  | Abilene 2 bwf                 | 517@159.50 |
| Alma 6 blk  | 684@163.50  | Baileyville 3 Hereford        | 371@155.00 |
| Council Grove 6 blk   | 673@163.00  | <b>HEIFERS — 550-750 LBS.</b> |            |
| Baileyville 2 blk   | 565@163.00  | Council Grove 9 blk           | 628@164.00 |
| Pomona 9 blk  | 721@160.00  | pomona 10 blk                 | 563@164.00 |
| Westmoreland 2  | 565@160.00  | Holton 5 blk                  | 575@159.50 |
| Burns 3 blk   | 586@160.00  | Manhattan 5 blk               | 571@159.00 |
| Maple Hill 2 Cross  | 607@158.00  | Baileyville 2 blk             | 570@157.50 |
| Burns 5 blk   | 660@157.50  | Rossville 2 blk               | 730@149.50 |
| Council Grove 6 blk   | 767@155.00  | Holton 3 Cross                | 651@149.00 |
| Alma 2 blk  | 667@152.50  | Council Grove 21 blk          | 740@148.75 |
| Alma 3 blk  | 728@149.50  | Burns 3 blk                   | 721@148.50 |
| <b>HEIFER CALVES — 325-550 LBS.</b>   |             |                               |            |
| Cttndw Falls 2 blk  | 345@182.50  | Abilene 2 blk                 | 677@144.50 |
| <b>BULLS — 1,400-2,100</b>  |             |                               |            |
| Manhattan 1 blk   | 2065@93.50  | Westmoreland 1 blk            | 2035@93.50 |
| Pomona 1 blk  | 2035@93.50  | Westmoreland 1 blk            | 2100@92.00 |
| Manhattan 1 blk   | 2100@92.00  | Alta Vista 1 blk              | 1875@89.50 |
| Onaga 1 Cross   | 1540@87.00  | Onaga 1 Cross                 | 1540@87.00 |
| St. Geroge 1 blk  | 2080@86.00  | St. Geroge 1 blk              | 2080@86.00 |
| Strong City 1 blk   | 1400@70.00  | Manhattan 1 blk               | 1430@74.00 |
| Onaga 1 blk   | 1655@65.00  | Council Grove 1 blk           | 1345@73.00 |
| <b>COWS &amp; HEIFERETTES — 725-1,875 LBS.</b>  |             |                               |            |
| Wakefield 3 blk   | 848@132.50  | Blaine 1 blk                  | 1280@73.00 |
| Wakefield 1 blk   | 745@129.00  | Centralia 1 blk               | 1215@73.00 |
| Wakefield 1 Char  | 900@129.00  | Olsburg 1 blk                 | 1380@72.00 |
| Westmoreland 5 blk  | 1098@121.00 | Lawrence 1 Hereford           | 1230@72.00 |
| Westmoreland 6 blk  | 1100@118.50 | Manhattan 1 Holstein          | 1745@70.00 |
| Westmoreland 14 blk   | 1263@118.50 | Blaine 1 blk                  | 1205@68.50 |
| Clay Center 2 blk   | 1140@117.50 | Wamego 1 blk                  | 1455@68.00 |
| Lawrence 1 Hereford   | 1025@116.00 | Lawrence 1 Hereford           | 1280@68.00 |
| Clay Center 4 blk   | 956@111.00  | Wakefield 1 blk               | 1050@68.00 |
| Wakefield 1 blk   | 975@110.00  | Wakefield 1 blk               | 1105@66.50 |
| Wakefield 1 blk   | 915@107.00  | St. George 1 blk              | 1460@66.00 |
| Westmoreland 1 bwf  | 945@99.00   | Manhattan 1 Holstein          | 1505@66.00 |
| Council Grove 1 blk   | 1075@85.50  | Blue Rapids 1 blk             | 1270@65.50 |
| Clay Center 1 blk   | 1070@85.00  | Blaine 1 blk                  | 1615@65.50 |
| Westmoreland 3 blk  | 1473@80.00  | Manhattan 1 Holstein          | 1860@65.50 |
| Blaine 1 blk  | 1055@80.00  | White City 1 blk              | 1235@64.00 |
| Olsburg 1 blk   | 1280@79.00  | Berryton 1 blk                | 900@64.00  |
| Westmoreland 2 blk  | 1417@79.00  | Frankfort 1 Hereford          | 1230@63.00 |
| Westmoreland 3 blk  | 1460@79.00  | Manhattan 1 Holstein          | 1565@63.00 |
| Westmoreland 1 blk  | 1310@79.00  | Manhattan 1 Holstein          | 1615@60.50 |
| Westmoreland 2  | 1467@78.00  | Westmoreland 1 blk            | 1060@60.50 |
| White City 1 blk  | 1000@78.00  | Clay Center 1 blk             | 1140@60.00 |
| Bern 1 blk  | 1610@77.50  | Manhattan 1 Holstein          | 1865@59.00 |
| Westmoreland 3 blk  | 1495@77.00  | Manhattan 1 Holstein          | 1425@56.50 |
| Blaine 1 blk  | 1290@75.00  | Manhattan 1 Holstein          | 1485@55.00 |

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# Kansas Hay Market Report

Hay market activity slow; demand light for all classes of hay, prices steady. Farmers were able to get some hay swathed and baled in between rain showers. Yields and quality are mixed. Alfalfa hay condition rated 0 percent very poor, 2 poor, 24 fair, 66 good, and 8 excellent. First cutting was 76 percent complete, ahead of 67 last year. Topsoil moisture rated 0 percent very short, 3 short, 83 adequate, and 14 surplus. Subsoil moisture rated 0 percent very short, 3 short, 86 adequate, and 11 surplus. If you have hay for sale, and/or need hay, use the services of the Internet Hay Exchange: [www.hayexchange.com/ks.php](http://www.hayexchange.com/ks.php).

### Southwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady, movement slow. Alfalfa: horse, small squares 240.00-250.00. Dairy, .75-.85/point RFV, Supreme 140.00-160.00, Premium 130.00-150.00, Good 115.00-145.00. Stock or Dry Cow alfalfa, 75.00-95.00, with an instance at 110.00. Fair/Good grinding alfalfa, 100.00-110.00 with an instance at 120.00. New crop grinding alfalfa 100.00-105.00. Ground and delivered local-

ly to feedlots and dairies, 110.00-125.00, with instances at 130.00 and 140.00. New crop ground and delivered 120.00-130.00. The week of 5/28-6/03, 10,356T of grinding alfalfa and 1,038T of dairy alfalfa were delivered. Grass hay: bluestem, large rounds 65.00-75.00. Brome: large rounds 55.00-65.00. Sudan/Cane: large rounds 40.00-45.00. Corn stalks, ground and delivered 70.00-80.00.

### South Central Kansas

Dairy alfalfa, alfalfa pellets steady, grinding alfalfa and ground/delivered 5.00 lower, movement slow. Alfalfa: horse, small squares 230.00-240.00, Dairy, .70-.80/point RFV, Supreme 140.00-150.00, Premium 130.00-140.00, Good 110.00-130.00. Stock cow alfalfa, 90.00-95.00. Fair/Good grinding alfalfa, 70.00-80.00. Ground and delivered locally to feedlots 95.00-105.00. New crop ground and delivered 110.00-120.00. The week of 5/28-6/03, 4,885T of grinding alfalfa and 1200T of dairy alfalfa were delivered. Alfalfa pellets: Sun Cured 15 pct protein 140.00-150.00, 17 pct protein 145.00-160.00. Dehydrated 17 pct 200.00-205.00. Grass hay: bluestem, mid and large squares 65.00-75.00, large rounds 60.00-70.00. Brome, mid and large squares, none reported, large rounds 75.00-80.00. Oat hay, none reported. Sudan 50.00-60.00. Cane hay, large rounds 45.00-55.00. Corn stalks, ground and delivered 75.00-85.00. Straw large squares 50.00-60.00.

### Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady, grass hay, movement slow to moderate. Alfalfa: horse or goat, 210.00-220.00. Dairy .75-.85/point RFV. Stock cow alfalfa 90.00-100.00 with an instance at 135.00-145.00. Fair/Good grinding alfalfa 70.00-80.00. Ground and delivered, 80.00-90.00. Grass hay: bluestem, small squares 100.00-110.00. Good, mid and large squares 70.00-85.00, large rounds 50.00-60.00. Brome: small squares none reported. Good, mid and large squares 90.00-110.00, large rounds 55.00-65.00. Straw, none reported. CWF grass mulch: none reported.

### Northwest Kansas

Dairy alfalfa, grinding alfalfa and ground/delivered steady, movement slow. Alfalfa: horse/goat, 180.00-190.00. Dairy, Premium/Supreme .80-.95/point RFV. Stock cow, fair/good 85.00-95.00. Fair/good grinding alfalfa, 65.00-75.00 with instances at 80.00-100.00. Ground and delivered locally to feedlots and dairies, 90.00-95.00.

### North Central-Northeast Kansas

Dairy alfalfa .05 higher, grinding alfalfa 5.00 lower, ground/delivered steady, grass hay: bluestem steady, brome 5.00 higher, movement slow. Alfalfa: horse, small squares 8.00-10.00/bale. Dairy .85-1.00/point RFV, Supreme 150.00-200.00. Premium 140.00-160.00, Good 130.00-140.00. Stock Cow, good 110.00-120.00. Fair/Good, grinding alfalfa, 70.00-80.00. Ground and delivered, 105.00-115.00. Grass hay: bluestem, small squares 4.00-6.00/bale, large squares 70.00-80.00, large rounds 60.00-70.00. Brome: Good, small squares 6.50-7.50/bale, mid and large squares, 90.00-100.00, brome large squares horse quality, 110.00-120.00, good large rounds 65.00-75.00. Sorghum/Sudan, large rounds 60.00-70.00. Straw, small squares, 3.50-4.50/bale. CWF grass mulch, none reported.

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

\*CWF Certified Weed Free

\*RFV calculated using the Wis/Minn formula.

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

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

Posted to the Internet: [www.ams.usda.gov/mnreports/DC\\_GR310.txt](http://www.ams.usda.gov/mnreports/DC_GR310.txt)

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## AUCTION

**SATURDAY, JUNE 24, 2017 — 9:00 AM**  
 Offering for sale at Public Auction, located at 10410 N. Willow Lake Road, MOUNDRIIDGE, KS; from the 4-way stop in Moundridge, KS 5 miles west & 2 1/4 miles south or from Buhler, KS 9 miles east & 1 3/4 miles north.

### FARM RELATED, GUNS & SPORTING

1972 Chev. truck; 2008 Arctic 366 ATV; Hustler Super Z diesel mower; Kawasaki Bayou 4 wheeler; 7'x4'8" trailer; 60' pull behind sprayer; garden shed, to be moved; The Aermotor 40' windmill tower & head; transit; drill; sander; air compressor; Century AC/DC welder & supplies; battery charger; shop benches; ladders; sump pump; jacks; drafting sets; tap & dies; hand tools; pipe wrenches; sockets; shovels; forks; grinders; hardware; garden tools & supplies; crosscut saw; old wrenches; new Peterbilt mud flaps; MW incubator; Farm Master brooder; Largo Feeds feeder; lightening rods; adv. cans; rendering kettle & jacket; wooden pulleys; 125# Haybudden anvil & stand; Homelite 5 hp 2" trans. pump; forge tools; manuals; metal signs; McCullen U.S. Calvary saddle; Crockett Maker #90 saddle; J.C. Higgins saddle; bridles; bits; spurs; cap guns; holsters; cowboy hats; chaps; belt buckles; Rifles including: Winchester mo. 69, bolt action; Stevens mo. 70; Browning .22 auto, take down; New Haven 251C, long auto; Remington Target Master mo. 41; Savage Sporter .22; Remington mo. 514; Western Field mo. 31; Shotguns including: Browning Invector BPS Special 12 ga. pump; Winchester mo. 1200 12 ga.; Ithica mo. 37 16 ga.; Remington mo. 10A 12 ga.; Western Field 12 ga.; 2 - Winchester 1897 12 ga.; Stevens mo. 258 B 20 ga.; Remington Sportsman 48 12 ga.; Western Field 5B-100B 12 ga.; H & R Trooper mo. 158 12 ga.; Noble mo. 60 12 ga.; J.C. Higgins 16 ga.; John Ward dbl. barrel 12 ga.; Stevens 124C 12 ga.; Pistols including: Ruger 357 mag. GP100; Rohm .22 Germany; Harrington & Richardson 32 cal.; Mondial Mo. 1900 22 cal.; Remington Youth 20 ga.; BB guns including: Crossman 130 .22 target pistol, original box; Daisy RR; Daisy mo. 105B; Daisy 225 mo. 36; Daisy 177 Powerline 660; V-35C slide action air rifle; Shanghai .77 pellet; Coleman lanterns, stoves; fishing supplies; tackle; archery; traps; clay targets; skis; croquet set; hockey sticks; pool sticks; golf balls; gun cleaning kits; gun cases; binoculars; gun cabinet; hunting knives & stones; holsters; pocket knives; gun vise; ammo; meat saw; Military remote radio; Boy Scout 8x10 tent; sports memorabilia; sports cards; signed gloves; bats; signed Moundridge ball.

### ANTIQUES, COLLECTIBLES & HOUSEHOLD

Victorian loveseat; Oak buffet; Oak dresser; Oak chest-of-drawers; Oak display cabinet; sq. Oak table & leaves; bookcases; 3 pc. living room set; Victrola; Deacons chair; Cedar chest; curved glass cabinets; sm. Oak tables; Qu. bed; Roper refrigerator; Whirlpool front load washer & dryer; 2010 Amana chest freezer; office chair; cabinets; porcelain stove; card table & chairs; lamps; Play & Pak; Magnalite kettles; roasters; Pyrex bowls; Copper boiler; canner; enamelware; cuckoo clock; Tupperware; dishes; Red Wing crocks; Moundridge Creamery; salt & peppers; cast iron; cooking jars; primitives; utensils; shot glasses; ash trays; tins; matchboxes; wash tubs; military items; advertising items; oil lamps; radios; jewelry; compacts; perfume; bottles; decanters; paper weights; dog collection; pipes; Scout items; books; Rumari; Niloak; Weller; McCoy; Nippon; Shawnee; Prussia; Germany; Bavaria; Hull; Humpty Dumpty egg carrier; lighted beer signs; guitar; clarinets; saxophone; accordion; xylophone; Coca-Cola machine; Coca-Cola chest cooler; Coca-Cola porcelain sign; banks; train; 50's Lionel train & track; transformers; RR memorabilia; globes; postcards; maps; atlas; paper goods; comics; children's books; pictures; artwork; 200+ Dream Santa's; LaCrosse wood cabinet; Timex displays; 80+ farm toys including: Auburn, Case, Deutz, Farmall, Ford, Hesston, Hubley, IHC, JD, Massey, McCormick, MM, New Holland, Oliver, White; farm implements; Cox Thimble Drome L-4 Grasshopper; 1956 Gotham magnetic baseball game; Quints Tyco set; Mickey Mouse collection; erector set; Lincoln logs; games; Star Wars; fire trucks; pinball game; scooter; Tinker Toys; Ideal Clancey monkey; trikes; Greyhound & Radio Flyer wagons; Texaco semi; jeeps; Nylint; metal toys; army truck; Structo; model cars; 400+ Hot Wheels; Pedal tractors & cars including: JD 520, IHC Hydro 826, Farmall 404, Case 800 Case-O-Matic, Porsche, Jr. Sportser 650; dolls; Fisher Price; paper dolls; western toys; tops; Wonder horse; microscope; telescope; & much more.

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## WEIGAND AUCTION

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**& SATURDAY, JUNE 24 — 9:30 AM**  
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## AUCTION

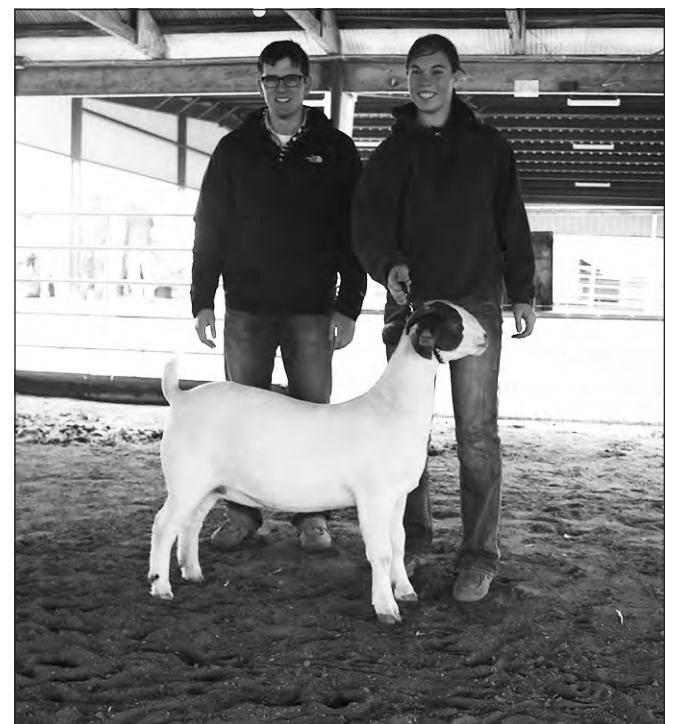
**MONDAY, JUNE 19 — 5:00 PM**

**TOPEKA, KS:** As I have closed my automotive shops & retiring the following sells located from (Forbes Field Topeka Regional Airport NORTH entrance) Topeka Blvd & University Blvd WEST 3/8 mile to Kids Stuff Blvd, then south & west past Topeka Trailer Repair approx. 1/4 mile to auction site (WATCH FOR SIGNS AUCTION DAY)

Champion air compressor, 3 ph w/ Dual 10HP motors & compressors w/186 gal tank, mdl #HR100-25; 9 air reels w/hose; Dual air hose reel w/hose; 14 oxy/act reels w/ hose; water reel w/hose; 15gal Port oil drain; 8 automotive lift adj. jack stands; (3) 5 gal WB Lube w/ bearing pumps; 16 gal 80-90 gear lube w/dolly & pump; 55 gal hoist oil, never opened; Rotary 28 gal coated underground lift tank, new; 16 gal Gas Buddy; Harper port. welding cart w/bottles; Wynn's Diffserve flush machine; 2 Wynn's PS fluid exchangers; 2 Wynn's Power Flush coolant exchangers; 2 Wynn's transerve 2Plus flush machines; 3+ cases Wynn's flush chemicals; 4 RTI refrigerant management systems 3 w/trash pumps; 2015 Power Probe brake bleeder w/adaptor set; Hunter TC3250 tire machine; 2 Coates 6065AX tire machines; Coates 6065AX tire machine w/power assist arm; Hunter Hawkeye 4 whl aligner, post mount PA100, complete, Looks New; Hunter 511 4 whl aligner w/heads short monitor; 2 pr Hunter front end rack swing jacks; 2 pr Hunter front end rack swivel plates; 2 Hunter DSP9000 wheel balancers 220V; pallet asst wheel weights & rack; 2 Branick 7200 strut spring compressors; 2 Branick 5040 tire spreaders; Ammco 7000 disc brake lathe; Ammco 4000 combo brake lathe; Accu-Turn 8922 disc brake lathe; Pro Cut on the car disc brake lathe complete; Ammco Brake lathe motor, NIB; Huth #2007 5hp 3 ph pipe bender, complete w/1 1/2"-3" dies & bender cards; Huth bender cards only, 1 set; Faith Oil bulk tank 55 gal w/pump, 2 reels & guns; Dayton 8" grinder on stand; 3 Columbian 4" vises w/stands; (2) DeWalt 14" chop saws, 1 on stand; 5 Shure 5' work benches; (3) 42" & (1) 36" shop fans; Carquest 1000# trans. jack w/fuel tank adaptor; Milwaukee 4000# trans. jack; Blackhawk 2T floor jack; (2) 2000# & (1) 1250# eng. stands; Walker & Lincoln 15T shop presses; 2 Arcan 4000# mobile cranes; 2 Minnie-Pic eng. cradles; HD drive-on ramps; 8'x8' loading ramps; 2 SPX OTC Genisys scan systems; SPX OTC Genisys scope, complete; SPX OTC Genisys scope, short cables; Sabre HP starting/charging system tester; SPX OTC TPMS TPR reset tool; SPX OTC TPMS #3833 monitoring tool; Ken tool hub puller; Hub-Shark ball joint press; Wesco drum cradle, NIB; F-450 King Ranch 17" alum. dually whls, center caps, 25,000 mi, 1 set; 2 1/2"x8"x16" metal shelving; 6 sec. of alum. unloading rolling ramps 1 1/2"x10"; 4 Gordon-Ray 80,000 BTU OH gas tube heaters; 6' folding table; 10 uphol. & chrome office chairs; Wagner #90 steamer; 5 barrel pumps; Electrolux carpet cleaner; 2 parking lot strippers; 6' outdoor composite bench; 5' light Oak credenza; battery rack; wheelbarrow w/dual frt wheels; shop tool cart; RCA 20" TV; 36" Midas Illuminated Signs, 3 sets; Midas Auto Service & Tires Signs, 1 set; asst. of hand, yard, shop, frt end, air tools, paint, chemicals, electrical, shop, lift, lathe, reel, & tire changing supplies & more!

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The reserve champion commercial doe at the Flint Hills Classic Spring Livestock Show was shown by Andrea Blum, Copan, Okla. She is shown with judge Tanner Miller.

**2 TRACTS - LYON & GREENWOOD COUNTY**  
**AUCTION**  
**THURSDAY, JULY 6, 2017 — 7:00 PM**  
 AUCTION LOCATION: Flint Hills Room, Best Western Hospitality House, 3021 W. US Hwy. 50 — EMPORIA, KANSAS  
**LYON COUNTY: Grass • Building Site**  
**GREENWOOD COUNTY: Cropland • Oil Production**  
 See [www.griffinrealestateauction.com](http://www.griffinrealestateauction.com) for full salebill or call for showing!  
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**OIL FIELD EQUIPMENT**  
**AUCTION**  
**MONDAY, JUNE 19 — 1:30 PM**  
 Sale Site: 3 Miles North of Pratt to Pratt Airport, on West Side Benchmark Industries: Following Items Belong to Benchmark Industries: Equipment: Echometer; 426+/- Joints of 2 7/8" tubing; 20 ft. Container; Kobalt 30 gal. air compressor; Charger 20 gal. air compressor; 2005 COMB trailer; Sunflower trailer.  
**Checks for above items must be made to J. Michael Morris Trustee.**  
**Nash Oil and Gas:** Following Items belong to Nash Oil & Gas; **Checks for these items can be made to Hamm Auction:** Equipment: 1998 FL70 Freightliner Flat bed truck with Knuckle boom; F-800 winch truck (needs motor); Miller Trailblazer 440 Welder/Trailer; 1250 Plasma Cutter; Hustler 640 Hillside 72" mower; Case Skid loader; Lufkin C-57DB pumping unit; 144 +/- joints of 2 3/8" tubing; Detroit Diesel 12.5 KW Delco Generator; Onan Generator; 2 cyl. Generator; 2 stage Ariel gas compressor; Echometer D823; Craftsman 5600 watt generator; 7 joints 4 1/2" aluminum pipe; 4 joints of new 2" steel pipe; High Pressure separator; Ridgid electric pipe vise; Heavy vice stand; well heads; Rod elevators; 440 Chrysler short block & heads; Fairbanks head; pipe rack; Arrow 66 head & parts; Baker Hughs gas lift system;  
**Full Sale Bill Online at [www.hammauction.com](http://www.hammauction.com)**  
**John Hamm/Auctioneer** 620-672-6996  
 107 NE State Road 61, Pratt, KS 67124  
[www.hammauction.com](http://www.hammauction.com)  
 Announcements made Day of Sale take precedence over any internet, faxed, digital or printed materials.



# Kansas 4-H winners honored at Emerald Circle Banquet

Area 4-H youth were named as Kansas 4-H State Project and State 4-H Scholarship winners at the annual Emerald Circle Banquet on May 31, 2017. A total of 32 State 4-H Project winners were chosen along with 69 current and past Kansas 4-H members to receive scholarships equaling \$75,000.

State 4-H Project winners are recognized for their citizenship, leadership, learning and participation within a specific 4-H project area and also earn the opportunity to attend National 4-H Congress, which is in Atlanta, Georgia each fall. Additionally, they each received a \$450 scholarship for the trip.

"Celebrating together the leadership impact and investment 4-H youth have demonstrated within their communities through project-based learning is a highlight of the Kansas 4-H Youth Development year. As we recognize and celebrate individual 4-H youth achievements, Emerald Circle is a time to remind us of the 4-H mission and purpose of 4-H youth development, which is to empower tomorrow's community leaders by engaging them in community leadership today," Wade M. Weber, State 4-H program leader said.

Scholarships are awarded based on involvement, leadership and citizenship as a member of Kansas 4-H. The scholarships were provided by generous donors through the Kansas 4-H Foundation.

"The scholarship recipients have shown dedication and passion toward the Kansas 4-H program of the highest level. We look forward to their continued service to 4-H as engaged alumni and are honored to be awarding scholarships to such deserving individuals," said Jake Worcester, president/CEO, Kansas 4-H Foundation.

The Kansas 4-H Foundation provides private support and services benefiting the state's 4-H program. The Foundation's projects include Rock Spring 4-H Center - the nation's largest privately owned and operated 4-H camp and conference facility - as well as support for awards, scholarships, publications, financial services and 4-H alumni programs. The Foundation also owns the Clovia Scholarship House, a cooperative living facility at Kansas State University.

State 4-H Project winners are listed below by County/District:

**BUTLER COUNTY**  
Dalton Perez, El Dorado, Shooting Sports Project Winner  
Danielle Chilcott, Leon, Swine Project Winner  
Renata Goosen, Potwin, Plant Science Project Winner

**CLOUD COUNTY**  
Brandon Shrader, Jamestown, Health and Wellness Project Winner

**DICKINSON COUNTY**  
Fiona Tokach, Abilene, Home Environment Project Winner  
Ty Seibert, Chapman, Dairy Project Winner

**DOUGLAS COUNTY**  
Henry Mitchell, Lawrence, Wood Science Project Winner  
Anna D'Ercole, Lawrence, Rabbit Project Win-

ner

**FINNEY COUNTY**  
Emily Glenn, Holcomb, Fiber Arts Project Winner

**FRONTIER DISTRICT - OTTAWA**  
Hunter McCurdy, Williamsburg, Wildlife Project Winner

**GEARY COUNTY**  
Lindsey Ascher, Milford, Meat Goats Project Winner

**HAMILTON COUNTY**  
Isaac Fox, Syracuse, Entomology Project Winner

**JOHNSON COUNTY**  
Amelia Mullin, Shawnee, Visual Arts Project Winner  
Kayley Brethour, Lenexa, Self-Determined Project Winner

**LEAVENWORTH COUNTY**  
Catherine Larson, Leavenworth, Poultry Project Winner

**LYON COUNTY**  
Karlee Wigton, Hartford, Pets Project Winner

**MCPHERSON COUNTY**  
Kaylee Littrell, Canton, Family Studies Project Winner

Seth Yenni, Lindsborg, Spacetech Project Winner

**MEADE COUNTY**  
Gatlin Clawson, Meade, Citizenship Project Winner  
Walker Clawson, Meade, Communications Project Winner

**MARAIS DES CYGNES DISTRICT - PAOLA**  
Emily Wright, Bucyrus, Dog Care and Training Project Winner

**MEADOWLARK DISTRICT - SENECA**  
Helen Krehbiel, Bern, Performing Arts Project Winner  
Karrie Van Winkle, Corn- ing, Sheep Project Winner

**POTTAWATOMIE COUNTY**  
Michaela Blockcolsky, Olsburg, Photography Project Winner

**PRATT COUNTY**  
Jarod DeWeese, Pratt, Energy Management Project Winner

**CENTRAL KANSAS DISTRICT - SALINA**  
Adelaide Easter, Salina, Foods and Nutrition Project Winner

**SHAWNEE COUNTY**  
Robert Schulz, Tecumseh, Geology Project Winner  
Claire Coultis, Topeka, Reading Project Winner

**STAFFORD COUNTY**  
Greyson Collins, St. John, Leadership Project Winner

**STEVENS COUNTY**  
Sydney Beesley, Hugoton, Horse Project Winner

**SUNFLOWER DISTRICT - SHARON SPRINGS**  
Gabrielle Hammer, Wallace, Beef Project Winner  
Brylee Aldridge, Weskan, Clothing and Textiles Project Winner

Scholarship winners are listed below by County/District:

**SOUTHWIND DISTRICT - IOLA**  
Delaney Umholtz, Humboldt, Goppert Southeast Kansas Scholarship  
Caitlin Dreher, Iola, Master Farmer - Farm Home- maker 4-H Scholarship

**BARBER COUNTY**  
William Hoch, Medicine Lodge, Orscheln Farm and Home 4-H Scholarship

**BROWN COUNTY**  
Rylee Rodvelt, Horton, John Junior and Ula Arm- strong Scholarship

Kylie Hutfles, Horton, Elmer and Mary Schlagel Pelton Family 4-H Scholar- ship

**FLINT HILLS DISTRICT - COTTONWOOD FALLS**

Kassady Griffin, Strong City, William G. and Marita Jean (Spiers) Willis Scholarship

**RIVER VALLEY DISTRICT - CLAY CENTER**  
Natalie Vesta, Clay Center, Georgia Wertzberger Scholarship

**COFFEY COUNTY**  
Laura Krueger, Lebo, John L. Wilson Memorial Scholarship

**COWLEY COUNTY**  
Audrie Bailey, Winfield, Orscheln Farm and Home 4-H Scholarship

**WILDCAT DISTRICT - GIRARD**  
Caylee Egbert, McCune, Goppert Southeast Kansas Scholarship

**DICKINSON COUNTY**  
Jennifer Hasenbank, Abilene, Lorane Havelly Minis 4-H Scholarship  
JaelAnn Hoover, Abilene, Warren L. and Mabel Johnson and Ann Johnson Sparke 4-H Scholarship  
Dustin Wilson, Abilene, Mary Lou Gibbs 4-H Scholarship

Rogan Tokach, Abilene, Allan and Carolyn Harms Family Scholarship  
Kyler Langvardt, Chapman, Glenn M. and Rose- mary Busset Scholarship  
Jaryth Barten, Woodbine, Frank W. and Gwen Romine Jordan Scholarship

**DONIPHAN COUNTY**  
Abigail Smith, Wathena, Glen and Marge Neely Family Scholarship

**DOUGLAS COUNTY**  
Matthew Kelso, Douglas, Andrew J. Clawson Memorial 4-H Scholarship  
Henry Mitchell, Lawrence, Extension StepA- head Scholarship

**EDWARDS COUNTY**  
Laurin Wagner, Offerle, A.B. Mahieu Scholarship

**ELLIS COUNTY**  
Lane Pfannenstiel, Hays, Orscheln Farm and Home 4-H Scholarship

**GRAHAM COUNTY**  
Kendell Born, Hill City, M.H. Coe Memorial Scholarship

**GRANT COUNTY**  
Mercedes Rodriguez, Ulysses, June Beaver 4-H Scholarship

**MEADOWLARK DISTRICT - HOLTON**  
Dean Klahr, Holton, Oscar W. Norby Scholarship

**JOHNSON COUNTY**  
Kayley Brethour, Lenexa, Frank W. and Gwen Romine

Jordan Scholarship

**LYON COUNTY**  
Brianna Zweimiller, Hartford, Mandy and Joseph Kern 4-H Scholarship

**MARSHALL COUNTY**  
Oliver Schmitz, Axtell, Mary E. Border Scholarship

**MCPHERSON COUNTY**  
Kaylee Littrell, Canton, Douglas F. & Linda Beech Educational Scholarship  
Janae McKinney, McPherson, Jack and Lindy Lindquist 4-H Youth Council Leadership Scholarship  
Andrea Vandever-Moore, McPherson, Orscheln Farm and Home 4-H Scholarship  
Reed Wiens, McPherson, Winter Family Grants  
Haley Peterson, Linds- borg, Marceil Gradwohl 4-H Scholarship  
Seth Yenni, Lindsborg, Ross E. and Margaret Col- man Wulfkuhle Scholarship

**MEADE COUNTY**  
Jacqueline Clawson, Meade, June Beaver 4-H Scholarship

**MARAIS DES CYGNES DISTRICT - PAOLA**  
Madelynn Yalowitz, Louisburg, Goppert Founda- tion 4-H Scholarship  
Julia Maddock, Paola, Frances W. Dunbar Memori- al 4-H Scholarship

**POST ROCK DISTRICT - BELOIT**  
Sydney Odle, Beloit, Kan- sas Association of Wheat- growers Scholarship

**MEADOWLARK DIS- TRICT - SENECA**  
Marissa Randel, Sene- ca, J. Harold and LaVerne Johnson Scholarship  
Karrie Van Winkle, Corn- ing, The Ross and Marianna Beach Foundation  
Endowed Scholarship

**FRONTIER DISTRICT - LYNDON**  
Morgan Woodbury, Quen- emo, Orscheln Farm and Home 4-H Scholarship

**PHILLIPS ROOKS DIS- TRICT - PHILLIPSBURG**  
Faith Hofaker, Logan, Ex- tension StepAhead Scholar- ship

**POTTAWATOMIE COUN- TY**  
Grace Wilcox, Olsburg, Orscheln Farm and Home 4-H Scholarship  
Shay Duer, Onaga, Orscheln Farm and Home 4-H Scholarship

**PRATT COUNTY**  
Taylor DeWeese, Pratt, Clara L. Dubbs 4-H Schol- arship

Jarod DeWeese, Pratt, Cecil and Merle Eystone Scholarship  
Shiloh Murray, Preston, Frank W. and Gwen Romine Jordan Scholarship

**RENO COUNTY**  
Mary Fishburn, Haven, Winter Family Grants  
Megan Fink, Hutchinson, J. Clifton and Helen F. Ram- sey Scholarship

**RILEY COUNTY**  
Katherine Sundgren, Leonardville, Frank W. and Gwen Romine Jordan Schol- arship  
Anna Jackson, Manhat- tan, Frank W. and Gwen Ro- mine Jordan Scholarship  
Michaela Hughes, Man- hattan, Donald E. Leu Schol- arship  
Katie Messerla, Manhat- tan, Evelyn N. Nelson Edu- cational Scholarship

**WALNUT CREEK DIS- TRICT - LACROSSE**  
Traci Ross, Rush Center, Nathan Carrol Memorial Scholarship

**CENTRAL KANSAS DIS- TRICT - SALINA**  
Shaylee Arpin, Salina, June Beaver 4-H Schol- arship  
Justin Schmutz, Salina, Thomas M. Potter II 4-H Scholarship  
Luke Ryan, New Cam- bria, Gary and Lorraine Kil- gore 4-H Scholarship  
Luke Ryan, New Cam- bria, Roy B. and Elizabeth Curry Oyer Scholarship

**SCOTT COUNTY**  
Macy Davis, Scott City, Dr. Robert A. and VeraJean Bohannon  
Memorial Scholarship  
KelsiJo Crouch, Scott City, Extension StepAhead Scholarship

**SEDGWICK COUNTY**  
Madeline Hoffman,

Derby, Extension StepA- head Scholarship  
Katherine Donaghue, Wichita, A. Lois Redman 4-H Scholarship  
Jill Seiler, Valley Center, June Beaver 4-H Schol- arship

**SHAWNEE COUNTY**  
Mitchell Porter, Topeka, Roger E. Regnier Schol- arship

**STAFFORD COUNTY**  
Greyson Collins, St. John, Donald E. Leu Scholarship

**THOMAS COUNTY**  
Sarah Lamm, Colby, Pierre C. Henry Scholarship

**SUNFLOWER DISTRICT - SHARON SPRINGS**  
Chisum Grund, Wallace, Allan and Carolyn Harms Family Scholarship  
Grady Hammer, Wallace, Roscoe M. and Winona M. Starkey Scholarship

**RIVER VALLEY DIS- TRICT - WASHINGTON**  
Michaela Musselman, Clifton, Orscheln Farm and Home 4-H Scholarship

**Lonnie Wilson's UPCOMING AUCTIONS**

\*\*\*\*\*

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509 Winn, Salina, KS  
Tuesday, June 13, 6 pm  
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**MINNEAPOLIS REAL ESTATE & PERSONAL PROPERTY**  
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Saturday, June 24, 10 am  
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| 2010.....CIH 2162 (40').....                | \$36,900            |
| 2010.....CIH 2162 (40').....                | \$39,900            |
| 2009.....MacDon FD70 (40').....             | \$35,900            |
| 2015.....MacDon FD75 (30').....             | \$53,900            |
| 2015.....MacDon FD75 (35').....             | \$52,900            |
| 2015.....MacDon FD75 (35') w/transport..... | \$52,900            |
| 2015.....(2) MacDon FD75 (40')....          | \$53,900 & \$55,500 |
| 2013.....MacDon FD75S (35').....            | \$52,900            |

**Combines For Sale**

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| 2012.....John Deere S660.....     | \$159,900 |
| 2008.....John Deere 9670 STS..... | \$109,000 |
| 2008.....Case IH 8010.....        | \$109,000 |
| 2008.....Lexion 585R.....         | \$99,000  |

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**ESTATE SALE — GARRETT & NEVA BROWN**

**FRIDAY, JUNE 16 — 3 to 7 PM & SATURDAY, JUNE 17 — 8 AM to 2 PM**  
1226 Clarke — CLAY CENTER, KS

**FURNITURE:** Pine full size bedroom set with bookcase headboard & rails, chest of drawers & nightstand; folding craft table on rollers, oak American Drew bedroom set with bed complete, 5 drawer chest, nightstand with drawers, dresser & mirror; antique oak dresser with oval swing mirror; Abernathy bedroom set with full size bed complete & dresser with swing mirror; glider, cart on wheels with storage & revolving top, floor & table lamps, maple rocker, double oak glider with cushions, Lazy Boy recliner, oval kitchen table with leaf & 6 chairs, drop leaf dining table with leaf & 4 chairs, 4 antique oak arrowback chairs, wood TV trays with stand, wood wall shelves, LaCrosse sofa, new Med-Lift lift chair, Cavalier cedar hope chest, small occasional table, oak glider rocker with ottoman, 1950's child's card table & 2 chairs, drop-leaf walnut table, vintage wood high chair, 5 oak slat back chairs, painted wood kitchen cabinets, small painted wood wash stand, 4 kitchen chairs on rollers, micro- wave cart on wheels, wood rolling kitchen cart.

**APPLIANCES:** Maytag Atlantis top load washer, Hotpoint dryer, Maytag refrigerator, Sharp Carousel microwave NIB.

**GENERAL HOUSEHOLD:** Panasonic sweeper, Royal hand vac, Hoover vacuum, fans & heaters; bed, bath & kitchen linens, home health assistance aids, electronics, Singer sewing machine, sewing/crochet supplies, home decoratives, lots of kitchen- wares—pots & pans, bakeware, dishes, glasses, kitchen gizmos & gadgets; small kitchen appli- ances, canning jars, water bath canners, pressure canners, Tupperware, set of Christmas dishes, cookbooks, Americana/chicken stoneware dish set, pink & white dish set with roses.

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## Wabaunsee County 4-H Council announces results of Spring Swine Show

Wabaunsee County 4-H Council hosted their seventh Spring Swine Show Saturday, June 3. One hundred thirty-nine animals were shown by 59 youth from 14 counties at the Wabaunsee County Fairgrounds in Alma.

Show committee members included Brock Graham, Cassie Jones, Adam & Anna Lukert, Clint Michaelis, Kelsey Stamm, Heath Hier, Caleb Hinck, Kaylee Lukert, Devin McClayland.

This annual event is the direct result of strong support from the local community. 4-H Council would like to thank the following peo-

ple and businesses for their tremendous support: Alma Co-op Oil Association, Bank of the Flint Hills - Alma Branch, Matt Benz, Downey Ranch, James Eberwein, Farm Bureau Insurance - Rob Sage Agency, First National Bank of Harveyville, Flint Hills Bank, Frank's Plumbing & Heating, Brock Graham, Hier Insurance, Cassie Jones, Mill Brae Ranch, Mill Creek Ranch - Breiner Family, Mill Creek Vet Service - Amy Bandel DVM, Rush In, Kelsey Stamm, Stockgrowers State Bank, Tri-County Waste, Wabaunsee Co Farm Bureau Association, Wabaunsee

County Cattlemen's Association.

This year's judge was Kiah Gourley from Manhattan.

Showmanship results: Danica Davis, WB, Junior Reserve Champion; Kaylee Lukert, WB, Intermediate Reserve Champion; Shelby Showalter, SN, Junior Champion; Lauren Simmons, WA, Senior Champion; Mandy Simmons, WA, Intermediate Champion; Tyler Simmons, WA, Senior Reserve Champion.

Market Show results: Ava Case, MN, Yorkshire Champion; Jalyn Davis, WB, Hampshire Reserve Champion; Avery Eckhoff, RL, Chester White Champion; Keilee Finnerty, LY, Duroc Reserve Champion; Kaylee Lukert, WB, Berk-

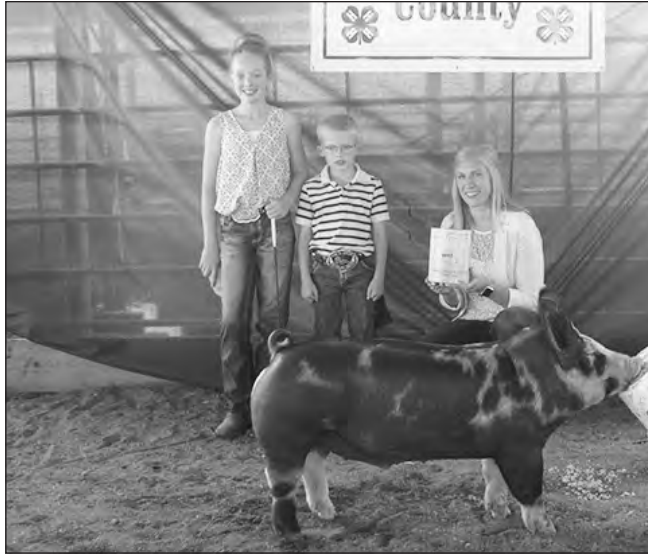
shire Reserve Champion, Crossbred Champion, Overall Grand Champion; Malachi Matterson, CL, Duroc Champion; Reese Michaelis, WB, Hampshire Champion; Dagan Murray, SN, Spot Champion; Madison Smitha, OS, Spot Reserve Champion; Mariah Smitha, OS, Crossbred Reserve Champion; Shaylee Vering, MS, Yorkshire Reserve Champion; Maddie Weaber, PT, Berkshire Champion, Chester White Reserve Champion, Overall Reserve Champion.

Full results may be obtained from the Wabaunsee County Extension Office.

Wabaunsee County 4-H members in the swine project will again exhibit their animals at this year's Wabaunsee County Fair, Monday, July 31, 7:00 p.m.



Kaylee Lukert, Wabaunsee County 4-H, exhibited the overall champion market hog at the Wabaunsee County 4-H Council Spring Swine Show. Kiah Gourley judged the show.



Pottawatomie County 4-Her Maddie Weaber drove the reserve champion market hog at the Wabaunsee County 4-H Council Spring Swine Show on June 3.

## Participants needed for emergency exercise

The emergency response exercise, which will involve a foreign animal disease (FAD), will be held December 18-20, 2017. Producers are encouraged to host a FAD drill this summer and participate in the exercise in December. Kansas Department of Animal Health received positive feedback from the feedyard and dairies who participated last year, and their involvement made the exercise more beneficial for the emergency response team. At least six premises are needed to "infect" for the exercise. The time commitment is one half-day before the exercise for the sampling drill and two days in December. Producers play from home, so no travel is necessary. If you are interested in participating, contact emergency management coordinator Sandy Johnson at sandy.johnson@ks.gov.

## Fed Cattle Exchange announces release of newly redesigned platform

The Fed Cattle Exchange is pleased to announce the release of its redesigned website, which will feature a reduced Pass Out (PO) fee of \$1 per head and a rollback function to help quickly establish trade. The rollback function was developed to aid in creating more competitive bidding and robust data points for the industry to view during trading sessions. The first three lots will be the only lots implementing the rollback and all listings from now on will benefit from the reduced PO fee of \$1 per head. The "Rollback" will work as follows:

- Cattle will be placed with a base price similar to current FCE format
- If the cattle do not receive a bid for ten seconds, the price will decrease by \$1 every ten seconds until a maximum of \$3 has been reduced on the base price.
- If the price reduces by a total of \$3 and an addi-

tional 15 seconds has passed without a bid arriving, the cattle will not be sold and the next lot will be offered.

- If a bid arrives at any time during the rollback process, the floor will be set and the price may increase until no more bids arrive.

- All sellers have the right to PO the sale of their listing, by clicking the "PO" button in the grid.

The Fed Cattle Exchange was created to not only increase price discovery and frequency of trade in fed cattle, but to also assist cattle feeders in achieving greater exposure to buyers. Most of their consigners benefit from having multiple buyers bid on their cattle on a weekly basis. This can especially be a benefit to producers who feed in areas where the number of field buyers has decreased in recent years. Some of the areas with the best cattle often have fewer buyers present.



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\*subject to core approval

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Senior Showmanship winners at the Wabaunsee County Spring Swine show are shown with judge Kiah Gourley. They were, from left: 1st-Lauren Simmons (WA), 2nd-Tyler Simmons (WA), 3rd-Tessa Beeman (GW).

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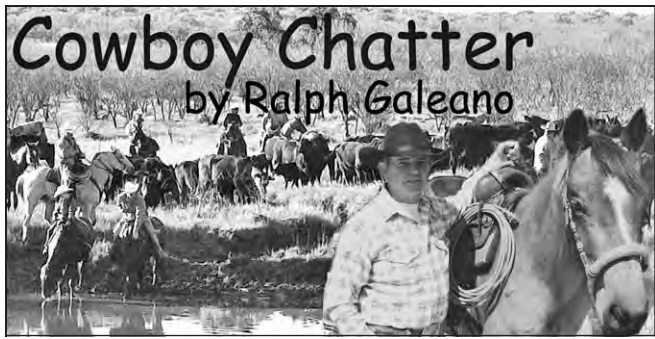
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# Cowboy Chatter

by Ralph Galeano

## Charlie Russell – Artist of the Real West

Charles Marion Russell, 1864-1926. Charlie was an artist of the west. His work depicted in great detail the life of a cowboy on the open range. Charlie Russell painted and sculpted more than 4000 artworks in his lifetime. He knew what saddle leather smelled like and could ride and rope, but not with the best of them.

His work was based on the life he lived. His paintings of cowboys, horses and Indians came from the experience of having lived the life as part of the crew on the big roundups, cold winters and hundreds of lonely nights riding herd.

Charlie was born in St. Louis and moved to Mon-

tana's Judith Basin when he was sixteen. He worked for a while tending sheep and then spent two years with a hunter on the Judith River. Charlie wanted to be a cowboy and landed a riding job as a night wrangler for the Judith Basin Cattle pool. His climb to fame began on the back of a horse. A riding job was where he'd always dreamed of being.

With nearly 2000 square miles of open range, the Judith Basin Pool alone had sometimes up to 80,000 head of cattle. There were other cattle pools in the Basin and one report estimated the cattle in the Judith Basin numbered near 200,000 at its peak. There were plenty of cattle and

plenty of room for Charlie to learn the trade.

He spent eleven years in the saddle working for different cattle pools and on different ranches. His long-time friend, Kid Amby Cheney, said, "I usually roped Charlie's horse for him. We could never let him in the horse herd because he would swing his rope and scatter the herd and break down the rope corral."

Kid Amby Cheney's son, Truman Cheney, wrote of the open range cowboy's life in his book, *So Long, Cowboys of the Open Range*. In the book, he related many of the stories told to him by his father, Kid Amby Cheney. Russell and Kid Amby shared many adventures and hardships. Russell's work so well portrayed the cowboys he worked with that in later days many of the men could recognize

themselves in his paintings.

One of his most famous paintings is of a roundup camp and cowboys eating breakfast when a bucking bronc comes barreling through camp near the wagon. The rider hangs on as the horse scatters the

cook's fire, pots, pans, coffee and men. Nearly 40 years later some of the old-timers present when the actual event happened clearly recognized the men in the painting. Sitting near the wagon is Russell, Kid Amby taking refuge on a wagon wheel and the rider, Doc Nelson.

Russell wasn't one of the top riders or ropers but he was always hired during roundups and drives. He carried a sketch book and lump of clay in his pocket to draw and mold what he saw. The men especially enjoyed seeing his sketches and clay sculptures when they found themselves as the subject of his work. He was a storyteller and was always spinning entertaining yarns that the men laughed at. Owners of the ranches and roundup foremen knew his worth for the harmony he spread with the cowboys who worked the great herds. His jokes and stories kept the men smiling and helped keep trouble to a minimum around the campfires at night and breakfast fires in the mornings. He always had a job as a night-herder or wrangler because he was such a good entertainer.

Kid Amby missed his

Grass & Grain, June 13, 2017

chance several times to own a Russell original. No one knew the fame their saddle partner was soon to achieve. Amby loaned Russell some money when Russell was part of a crew of seven cowboys living in a dilapidated, bed-bug ridden cabin one winter near Chinook, Montana. The group was known as the "Lousy Seven" because of the bedbugs. They were out of work, waiting for the spring round-up and had spent all their money. Russell was one of the seven and promised Amby he would paint him a picture of the "Lousy Seven" if he loaned them some money. Amby gave them his month's wages but never took Russell up on his offer to paint him the picture.

Another time, Amby watched Russell sketching a picture near the herd. When Russell finished the sketch, he ripped it off the pad and threw it in the wind. Later that day, Amby saw the piece of paper fluttering in the wind on a wild rose bush. He picked it off and saw it was only a sketch of cowboys and horses. The same things he worked with every day. He let it flutter back to the brush.

Soon after that Russell

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was married and his new wife began marketing his paintings for fabulous prices. Kid Amby speculated "I might have made a thousand dollars if I had kept that picture."

Russell didn't look like much. In fact, if you met him, you'd think he was just a no-account cowboy drifter. Amby described Charlie Russell as "the queerest sort of cowboy he'd ever seen. A homely awkward cuss—all his clothes looked like they'd been junked by some reservation half-breed. Even his face looked like he had some Injun in him. A big-brimmed hat didn't have any shape or crown to it—like he'd slept in it many a rainy night on the range. His leather pants had seen the last of their second-best days—one leg tucked in a boot and the other hangin' out like a squaw dress. But don't get me wrong. He was one of the swellest guys I ever knew."

If only those cowboys of the open range would have known how famous their saddle-mate would become.

Contact Ralph Galeano at [horsemans@horsemanspress.com](mailto:horsemans@horsemanspress.com) or [www.horsemanspress.com](http://www.horsemanspress.com).

# Osborne introduces new wean-to-finish feeder

Finding the most efficient method of feeding pigs has been a never-ending quest for producers and equipment suppliers alike. Hand feeding and automatic, gravity-flow feeders dominated the industry until the development of mechanical-flow feeding in the 1980s. This development revolutionized the industry and the only mechanically-operated feeder, the Osborne Big Wheel® Feeder, quickly became the #1 selling hog feeder in the U.S. However, as the industry moved toward wean-to-finish, producers often found no commercially-available feeding systems were adequate in a wean-to-finish environment. The best gravity-flow feeders worked well for newly weaned pigs, but as pigs grew, play waste and overloading of the trough became a maintenance nightmare. Alternatively, mechanical-flow feeders provided never-before-seen feed savings, but sometimes required assistance to help pigs get started on the feeder.

Now, Osborne Industries, Inc., the industry-leading innovator in pig feeding, is pleased to announce its latest advancement in their signature line of "no-waste" pig feeders. The new FAST Start™ wean-to-finish feeder features all the no-waste, feed saving aspects of the Big Wheel family of mechanical-flow feeders, but operates in gravity-flow mode for newly weaned pigs. The feeder then automatically converts to mechanical-flow as pigs grow. Osborne's new feeder will be introduced at the World Pork Expo, June 7-9, 2017, in Des Moines, Iowa, USA, at booth V451.

Osborne's President & CEO George Eakin, said, "The FAST Start Feeder is an answer to the age-old problem of designing a feeder that is capable of feeding very young pigs, and yet, prevents the excessive feed waste that occurs when pigs grow. Traditional gravity-flow feeders start very young pigs easily, but adjusting them to prevent feed waste throughout the growing cycle is a management

nightmare."

Eakin continued, "The FAST Start Feeder combines gravity-flow feed delivery for newly weaned pigs with mechanical feed delivery for finishing pigs, which saves feed and ensures feed freshness. The conversion of the FAST Start Feeder from a gravity-flow feed delivery to the feed-saving mechanical-flow delivery is done automatically by the pigs. This automated feature allows pigs to grow from wean to finish on a single feeder without any adjustments, and yet save feed, ensure feed freshness, and grow animals efficiently."

When weaned pigs are put on the feeder, small slides in the feed hopper bottom are open, allowing feed to freely flow into the trough. As pigs grow, they begin turning the multi-spoke feed wheel in the bottom of the trough, which closes the slides on the feed hopper bottom. A feed sweep, located in the bottom of the feed hopper and attached to the feed

wheel, sweeps feed past the cone and out of the hopper to the trough. Feed falls through the center hole into the trough, where the feed wheel dispenses it to the pigs. Feed stops flowing when pigs stop moving the wheel, allowing for the automatic conversion from gravity to mechanical flow.

Based on numerous on-farm trials by users, the FAST Start Big Wheel Feeder has been observed to meet all the critical performance standards cited by leading veterinarians for wean to finish, but without losing any of the well-known

Osborne "no-waste" feeding during finishing. Independent producer Jeff Dohrman, Bushton, said, "The first thing I noticed after installing the feeder was that there was always feed in the trough. Then, within ten days to two weeks, the pigs start spinning the wheel, automatically turning into a mechanical Big Wheel. There is no problem getting pigs started on this feeder. It's done a really good job."

Made of abrasion and corrosion-resistant RTM-molded plastic, a material Osborne developed and perfected over the past

30 years, the feeder operates with minimal maintenance for years.

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**WEDNESDAY OF EVERY MONTH**  
**6/7/17**

| COWS               |            |                      |            |
|--------------------|------------|----------------------|------------|
| Shawnee, 1 blk     | 1520@86.50 | Durham, 1 blk        | 1250@70.00 |
| Shawnee, 1 bwf     | 1450@86.00 | Herington, 1 blk     | 1125@70.00 |
| Shawnee, 1 blk     | 1485@85.50 | Tampa, 1 Char        | 1380@70.00 |
| Shawnee, 1 blk     | 1650@80.50 | Junction City, 1 rwf | 1610@69.50 |
| Woodbine, 1 blk    | 1065@80.50 | Tampa, 1 rmf         | 1745@68.00 |
| Shawnee, 1 bwf     | 1235@80.00 | Ramona, 1 blk        | 1420@67.00 |
| Tampa, 1 red       | 1345@79.00 | Tampa, 1 rmf         | 1715@67.00 |
| White City, 1 red  | 1220@77.50 | Durham, 1 blk        | 1125@66.50 |
| Shawnee, 1 blk     | 1515@76.00 | Galva, 1 red         | 1120@66.00 |
| White City, 1 blk  | 1050@75.50 | White City, 1 blk    | 1600@65.00 |
| White City, 1 brwn | 1130@75.00 | Herington, 1 blk     | 1600@65.00 |
| Cndl Grve, 1 red   | 1165@74.50 | <b>BULLS</b>         |            |
| Tampa, 1 red       | 1535@74.00 | Ramona, 1 blk        | 1685@93.00 |
| Tampa, 1 red       | 1270@73.00 | <b>STEERS</b>        |            |
| White City, 1 blk  | 1185@72.00 | Hillsboro, 5 mix     | 759@150.00 |
| Woodbine, 1 blk    | 1510@71.50 | Hope, 62 blk         | 898@150.00 |
|                    |            | Herington, 2 blk     | 685@145.50 |

| HEIFERS            |             |
|--------------------|-------------|
| Herington, 3 blk   | 862@145.00  |
| Herington, 64 mix  | 834@142.50  |
| Ramona, 61 blk     | 994@137.75  |
| Tampa, 54 mix      | 1028@135.85 |
| Ramona, 2 blk      | 843@134.00  |
| Galva, 4 blk       | 695@153.00  |
| Wilsey, 3 blk      | 727@151.50  |
| Woodbine, 3 blk    | 633@151.00  |
| Cedar Point, 3 blk | 478@151.00  |
| Cedar Point, 4 blk | 636@145.00  |
| Hope, 59 blk       | 772@143.50  |
| Herington, 64 mix  | 834@142.50  |
| Hope, 64 blk       | 842@140.75  |
| Hillsboro, 10 mix  | 782@140.00  |

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**CONSIGNMENTS FOR JUNE 14:**

- 60 mostly blk str, 875 lbs
- 120 mostly blk str 975 lbs
- 62 mostly blk str 900 lbs
- 80 str & hfrs blk bwf home raised
- 600-750 lbs
- 12 str & hfrs 500-600 lbs, home raised, long time weaned Herefords

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**NO SALE NEXT WEEK, JUNE 21**

**NEXT SHEEP AND GOAT SALE: JUNE 29th @ 6:30**  
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## Waste not, want not; by-product of ethanol industry makes suitable cattle feed supplement

Making a living raising cattle isn't as simple as just buying a herd and turning it out to pasture. Cattle require specific diets to maintain proper nutrition and weight gain. And how to do this in the most effective and efficient way possible has interested both ranchers and researchers for generations.

Scientists in Texas are interested in how seasons affect how well cattle can digest a type of Bermudagrass, Tifton 85. In a recent study, they found that as seasons progress, the grass becomes harder to digest. However, by supplementing with the

dried distillers' grains, this effect can be minimized.

Dried distillers' grains are left over after ethanol production. They are what remains of the ground corn used for fermentation.

"Due to the ramp-up in ethanol production over the past few decades, there has been an abundance of this byproduct in the beef industry," explains Monte Rouquette, a professor with Texas A&M AgriLife Research. "Originally viewed as a waste product of the industry, research began looking into other uses of the byproduct."

He adds that using it as food for livestock is an efficient use of this product. The value-added aspect has moved the grains from waste to wanted.

The dried grains are now commonly used as a relatively cheap source of feed. In some instances, it can replace primary feed ingredients like corn or soybeans. Some supplements provide additional energy, some more protein, and others minerals. The distillers' grain is used for both protein and energy.

How does this fit with the forage season? Tifton 85

Bermudagrass is a common forage grass across the south and southeast United States. However, as the plants mature, they become harder for livestock to digest. The cattle have a harder time extracting nutrients from the grass. The grains can help add back those nutrients.

The results of this study, conducted by W. Brandon Smith, point to a potential two-season grazing strategy, based on animal size, weight, and age. For example, lightweight animals could graze in the early summer without the grain supplement because the grass is

able to give them the needed nutrients to thrive.

In the later part of the summer, the matured animals could graze with the distillers' grain supplement. The grain would add back some of the nutrients the cattle lose out on when the grass is further into season.

This research allows the scientists to determine the most effective and efficient way to use distillers' grains as a supplement. They can learn how much is best to give, when is best to give it, and how much return it can provide a rancher.

"These data can then be

used in an economic assessment to provide a baseline of potential responses from the use of a supplement," says Rouquette. "This work sheds light on changes that occur chemically within the plant across the year that affect its digestibility."

Read more about this work in *Crop Science*. The researchers' work was primarily funded by Texas A&M AgriLife Research at Overton, and partially funded by a Beef Competitiveness Research Initiative grant from Texas A&M AgriLife Research.

# Farmers & Ranchers

## AUCTIONS EVERY MONDAY & THURSDAY

### Selling Hogs & Cattle every Monday

RECEIPTS FOR THE WEEK TOTALED 1,069 CATTLE AND 160 HOGS.

| STEERS    |                   |                 |         |                  |
|-----------|-------------------|-----------------|---------|------------------|
| 300-400   | \$192.00-\$206.00 | 17              | Reading | 3-5 Yrs@1,900.00 |
| 400-500   | \$180.00-\$192.00 | 5               | Reading | 3-5 Yrs@1,835.00 |
| 500-600   | \$180.00-\$191.00 | 3               | Reading | 3-5 Yrs@1,825.00 |
| 600-700   | \$155.00-\$168.50 | 1               | Salina  | 3-5 Yrs@1,800.00 |
| 700-800   | \$155.00-\$168.00 |                 |         |                  |
| 800-900   | \$150.00-\$162.50 |                 |         |                  |
| 900-1,000 | \$130.00-\$141.00 |                 |         |                  |
| HEIFERS   |                   |                 |         |                  |
| 500-600   | \$152.00-\$164.00 |                 |         |                  |
| 600-700   | \$135.00-\$148.00 |                 |         |                  |
| 700-800   | \$145.00-\$154.75 |                 |         |                  |
| 800-900   | \$130.00-\$141.50 |                 |         |                  |
| STEERS    |                   |                 |         |                  |
| 2 blk     | Salina            | 253@210.00      |         |                  |
| 4 mix     | Salina            | 301@206.00      |         |                  |
| 1 bwf     | Kanopolis         | 310@206.00      |         |                  |
| 5 mix     | Salina            | 338@202.00      |         |                  |
| 8 blk     | Miltonvale        | 486@192.00      |         |                  |
| 5 blk     | Gypsum            | 521@191.00      |         |                  |
| 17 blk    | Salina            | 564@191.00      |         |                  |
| 4 red     | Lindsborg         | 719@171.50      |         |                  |
| 12 blk    | Salina            | 672@168.50      |         |                  |
| 3 blk     | Lincoln           | 723@168.00      |         |                  |
| 7 blk     | Wilsey            | 720@167.00      |         |                  |
| 2 blk     | Carlton           | 765@164.00      |         |                  |
| 8 mix     | Lindsborg         | 806@162.50      |         |                  |
| 58 mix    | Enterprise        | 745@162.00      |         |                  |
| 63 mix    | Hope              | 799@159.10      |         |                  |
| 10 blk    | Beloit            | 996@141.00      |         |                  |
| HEIFERS   |                   |                 |         |                  |
| 5 blk     | Galva             | 569@164.00      |         |                  |
| 67 mix    | Abilene           | 711@154.75      |         |                  |
| 4 blk     | Hillsboro         | 665@148.00      |         |                  |
| 6 red     | Lindsborg         | 612@148.00      |         |                  |
| 5 mix     | Wilsey            | 698@148.00      |         |                  |
| 2 blk     | Salina            | 740@148.00      |         |                  |
| 2 blk     | Hillsboro         | 710@145.00      |         |                  |
| 2 blk     | Hillsboro         | 818@141.50      |         |                  |
| COW PAIRS |                   |                 |         |                  |
| 8         | Reading           | 3-5 Yrs@2085.00 |         |                  |
| COWS      |                   |                 |         |                  |
| 1 rwf     | Lincoln           | 1570@76.00      |         |                  |
| 1 bwf     | Glasco            | 1745@76.00      |         |                  |
| 1 char    | Barnard           | 1540@75.00      |         |                  |
| 1 blk     | Falun             | 1630@75.00      |         |                  |
| 3 blk     | Inman             | 1768@75.00      |         |                  |
| 1 blk     | Solomon           | 1415@74.50      |         |                  |
| 1 blk     | Hope              | 1400@74.00      |         |                  |
| 1 red     | Lincoln           | 1315@74.00      |         |                  |
| 1 blk     | Barnard           | 1300@74.00      |         |                  |
| 1 blk     | Belleville        | 1375@73.00      |         |                  |
| BULLS     |                   |                 |         |                  |
| 1 char    | Delphos           | 1860@100.00     |         |                  |
| 1 bwf     | Hope              | 1750@98.00      |         |                  |
| 2 red     | Salina            | 1600@96.50      |         |                  |
| 1 wf      | Salina            | 1680@93.50      |         |                  |
| 1 red     | Salina            | 1630@93.00      |         |                  |
| HOGS      |                   |                 |         |                  |
| 7 pigs    | Formoso           | 39@32.50/HD     |         |                  |
| 1 fat     | Kensington        | 290@47.00       |         |                  |
| 1 sow     | Randall           | 590@47.00       |         |                  |
| 6 fats    | Leonardville      | 273@47.00       |         |                  |
| 19 fats   | Tescott           | 272@46.75       |         |                  |
| 8 fats    | Newton            | 261@46.50       |         |                  |
| 3 sows    | Abilene           | 618@46.00       |         |                  |
| 3 fats    | Kensington        | 252@45.50       |         |                  |
| 2 sows    | Abilene           | 548@45.00       |         |                  |
| 1 sow     | Abilene           | 665@45.00       |         |                  |
| 2 sows    | Salina            | 428@37.00       |         |                  |
| CALVES    |                   |                 |         |                  |
| 1 bwf     | Glasco            | 200@435.00      |         |                  |
| 1 red     | Salina            | 245@400.00      |         |                  |
| 1 bwf     | Glasco            | 175@385.00      |         |                  |
| 1 char    | Salina            | 150@375.00      |         |                  |
| 1 blk     | Salina            | 155@350.00      |         |                  |
| 1 blk     | Randall           | 100@300.00      |         |                  |
| 1 bwf     | Randall           | 80@210.00       |         |                  |

### IN STOCK TODAY:

- Heavy Duty Round Bale Feeders
- 6'8" X 24' GOOSENECK STOCK TRAILER METAL TOP
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Selling starts at 10:00 a.m. Consign your cattle as early as possible so we can get them highly advertised.

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## NO THURSDAY SALES IN JUNE!

## MONDAY SALES ARE AS FOLLOWS:

June 12, 19 & 26 starting at NOON

SELLING ALL CLASSES OF CATTLE

\*\*\* NO SALE: Monday, July 3! \*\*\*

THURSDAY SALES RESUME  
JULY 13, 2017 at 10:00 AM

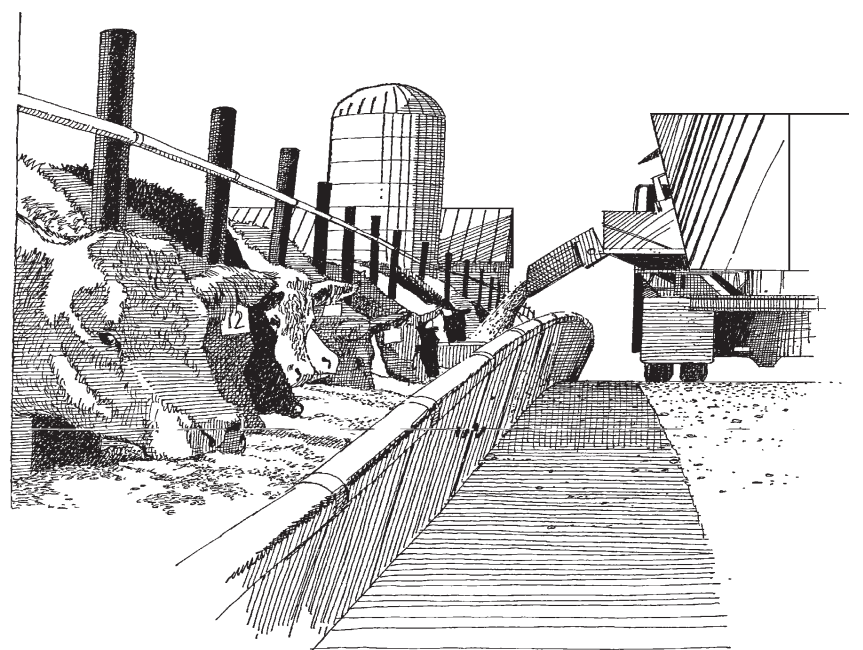
## COW SALES:

July & August Date to be Determined

SPECIAL FEEDER SALES:

Tuesday, July 25 • Tuesday, August 1

More if Needed!



For information or estimates, contact:

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

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Durham, KS

Kenny Briscoe  
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Kevin Henke  
H: 785-729-3473, C: 785-565-3525  
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**RATES AND DISCOUNTS**

**CLASSIFICATIONS**

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

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Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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RATE: 65¢ a word.

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Cost for one week: \_\_\_\_\_

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

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Cost for \_\_\_\_\_ weeks: \_\_\_\_\_

**DISCOUNTS:** (with cash or credit card orders only)  
deduct 10% if ad runs 2 or 3 weeks;  
deduct 25% if ad runs 4 weeks.

Less discounts: \_\_\_\_\_

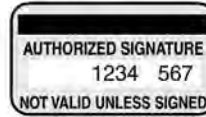
**TOTAL: \$** \_\_\_\_\_

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CHECK **MASTERCARD** VISA **DISCOVER**

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



Signature: \_\_\_\_\_

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- HORSES
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- FEED & SEED
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- HARVESTING
- LIVESTOCK OTHER
- LIVESTOCK EQUIPMENT
- BUILDINGS-BUILDING MATERIALS
- BINS - DRYERS - VACS
- MOBILE HOMES
- SPRAY EQUIPMENT
- BUSINESS OPPORTUNITIES
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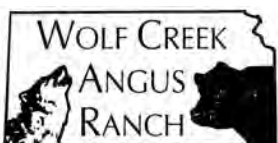
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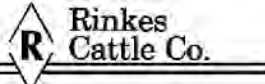
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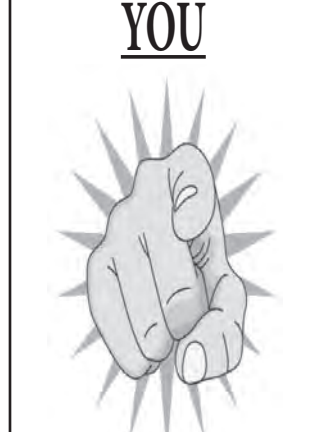


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**A critical role of the dry cow program**

By Mark Kirkpatrick, DVM, MS, Managing Veterinarian, Dairy Technical Services, Zoetis  
 While dry cows are resting, the dry cow program should be hard at work, clearing up lingering sub-clinical infections, preventing bacterial invasion of the teat ends and boosting immunity to help prevent production crippling infections for the next lactation.

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Research shows the most prevalent mastitis-causing pathogens in dry cows are Gram-positive:

51% of all new environmental streptococci intramammary infections occurred while dry.  
 56% of clinical mastitis cases due to Streptococcus uberis originated in the dry period.  
 33% of clinical mastitis cases due to Streptococcus dysgalactiae originated in the dry period.

The prevalence of Gram-negative bacteria also remains a threat to herd productivity and udder health, especially during the dry period. Nearly 40 percent of all mastitis infections on dairy operations are caused by Gram-negative bacteria, such as Escherichia coli (E. coli). If left untreated, milk and moderate Gram-negative mastitis can become severe and toxic, reducing herd productivity and a dairy's bottom line.

Orbeseal® internal teat sealant and an Escherichia coli (E. coli) vaccine, Envirocor™ J-5, are essential components in a complete dry cow program. When used properly, Orbeseal can help prevent new infections in the dry cow environment by acting as a physical barrier between mastitis-causing bacteria and the udder. Vaccinating against E. coli mastitis can help boost cows' immunity against clinical signs.

A complete dry cow management program can help your dairy lower somatic cell counts when dry cows re-enter their lactation, reduce mastitis outbreaks during lactation, lower treatment costs and associated labor costs, and add potential extra milk quality premiums to the dairy. To help ensure your cows are productive in their lactation, work with your veterinarian to establish best practices for a dry cow program on your dairy.

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# Kansas State University awarded funding for work with farmers in effectively managing groundwater

Kansas State University has received funding to further its work in managing groundwater – a topic especially important in Kansas and other states where critical water resources are being depleted much faster than they're being replenished.

The U.S. Department of Agriculture-National Institute of Food and Agriculture awarded \$499,917 to the university to determine the best ways for farmers participating in local groups to effectively

manage groundwater resources such as the Ogallala Aquifer, on which rural communities rely for water and farmers have depended on for years to irrigate their crops

The Ogallala underlies eight Great Plains states and provides water to nearly one-fifth of the wheat, corn, cotton and cattle raised in the United States. But the million-year-old, 174,000-square-mile underground reservoir is being depleted at an unsustainable

rate.

Depleting an aquifer such as the Ogallala, a part of the High Plains Aquifer, through agricultural irrigation can ultimately have negative economic impacts on farmers due to reduced returns in the future, said Nathan Hendricks, a K-State agricultural economist who is leading the four-year project. For that reason, farmers have an incentive to collectively manage the extraction of water from the aquifer to maximize

the net benefits of using it over time.

To help extend the life of aquifers by conserving the water in them, Kansas recently embarked on a policy experiment to encourage greater collective management of the Ogallala in western Kansas by local farmers. In some areas, management plans called Local Enhanced Management Areas, or LEMAs, have been developed. Once approved by boards of directors from Groundwater Management Districts, those plans become binding on everyone within the policy boundary.

Other plans, called Water Conservation Areas (WCAs) are management plans that have also been implemented in parts of Kansas. Participation in WCAs is purely voluntary.

"Our project will examine how to formulate these LEMAs and WCAs in a way that obtains support among farmers to effectively man-

age the groundwater," Hendricks said. "We will also look at how LEMAs and WCAs can be used together effectively."

Hendricks and a team will study how economic incentives, characteristics of water users and policy design affect support for the collective management among water users. The team will also examine voluntary approaches compared with mandatory approaches to water management and the interaction between the two approaches.

The intent is help foster the success of LEMAs and WCAs with an eye toward slowing the aquifer's depletion.

"More broadly, our project is of interest to other regions of the U.S. that seek to find ways for local resource users to collectively manage their resources," Hendricks added.

The grant is one of 49 USDA-NIFA awards to improve sustainable agriculture

and help rural communities thrive, according to a USDA statement. The funding, announced May 16 and totaling \$17.9 million, was made possible through NIFA's Agriculture and Food Research Initiative (AFRI) program, authorized by the 2014 Farm Bill.

USDA-NIFA also awarded \$49,716 to Kansas State University to coordinate and host a workshop on the economics of animal health and biosecurity. K-State agricultural economist Dustin Pendell is the lead investigator on that project.

"A number of factors are involved in achieving economic success in rural communities," said NIFA director Sonny Ramaswamy in the announcement. "These NIFA investments will help us understand the social and behavioral factors that inform decision-making in agriculture, which can help rural communities thrive."

## Chapman FFA earns Triple Crown award for sixth straight year

The Chapman FFA chapter received the prestigious Triple Crown award for the sixth year in a row at the final session of the 89th Kansas FFA Convention, May 31-June 2, 2017, on the Kansas State University campus.

The Triple Crown award is given to the FFA chapter that performs the best in the National Chapter Award program, which recognizes chapters that actively implement the mission and strategies of the organization in three separate divisions: Building Communities, Growing Leaders and Strengthening Agriculture. Awards are given in each of these three areas in the divisions of bronze, silver and gold. Chapters

in the gold division qualify as finalists for the Triple Crown.

Under guidance from advisors Johanna Ryckert and Alex Jost, the Chapman FFA chapter earned the highest score in the three categories. The chapter will receive \$300 and the Garlow Memorial Trophy, which is sponsored by the Bill Garlow Family in memory of past Kansas FFA officer Bob Garlow.

Runners-up for the Triple Crown award were as follows: Riverton FFA, second place; Arkansas City FFA, third place; Udall FFA, fourth place; and Holton FFA, fifth place.

## Annual KDA photo contest now open

Every day, farmers and ranchers see the beauty of agriculture surrounding them while they work to bring quality products to our tables. Document this experience by capturing the moments of bliss, struggle and joy in agriculture and enter your pictures into the Kansas Department of Agriculture's annual photo contest. Photos will be accepted throughout the months of June and July.

This year, KDA's photo contest categories will celebrate different aspects of Kansas agriculture. Technology at Work, Animals of Agriculture, From Farm to Table, and The Beauty of the Farm categories will showcase the broad spectrum of what agriculture means in Kansas, from the advances in technology, to the animals and crops, to the beautiful landscapes of Kansas farms, all while producing food, fiber and energy for Kansas and a growing world. There will also be a youth division for young photographers under the age of 19.

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

Guidelines for the contest can be found at: [agriculture.ks.gov/photocontest](http://agriculture.ks.gov/photocontest). After submission, the Kansas Department of Agriculture is granted permission to use any photograph for publications, social media, websites, displays, etc. without payment or other consideration from the photographer.

Follow KDA on Facebook, Twitter, Pinterest and Instagram for more details on the contest, including deadlines, divisions and prizes. For more information, contact KDA director of communications Heather Lansdowne at [Heather.Lansdowne@ks.gov](mailto:Heather.Lansdowne@ks.gov) or 785-564-6706.

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HFR 592@\$143.00</p> | <p>GREENSBORO,AL 1 BLK HFR 600@\$141.00<br/>                 BREMAN 1 BLK HFR 835@\$137.50</p> <p><b>HFRETTES</b></p> <p>FRANKFORT 1 RED HFRT 890@\$128.50<br/>                 BREMEN 1 BLK HFRT 1,165@\$86.50<br/>                 BREMEN 1 BLK HFRT 1,220@\$84.50<br/>                 BREMEN 1 BLK HFRT 1,400@\$82.00</p> <p><b>COWS</b></p> <p>MORROWVILLE 1 RED COW 1,715@\$79.75<br/>                 BREMEN 1 BLK COW 1,620@\$79.50<br/>                 GREENLEAF 1 BLK COW 1,795@\$78.50<br/>                 BREMEN 1 BLK COW 1,370@\$78.50<br/>                 MORROWVILLE 1 RED COW 1,585@\$77.50<br/>                 HEBRON,NE 1 RED COW 1,585@\$77.50<br/>                 MORROWVILLE 1 CHAR COW 1,710@\$77.00<br/>                 GREENSBORO,AL 1 BLK COW 1,410@\$77.00<br/>                 MORROWVILLE 1 BLK COW 1,515@\$77.00<br/>                 MORROWVILLE 1 BWF COW 1,670@\$76.50<br/>                 BREMEN 1 BLK COW 1,540@\$76.50<br/>                 BREMEN 1 BLK COW 1,280@\$76.00<br/>                 MORROWVILLE 1 RED COW 1,555@\$76.00<br/>                 OKETO 1 BLK COW 1,270@\$75.00<br/>                 HEBRON,NE 1 RED COW 1,280@\$74.00<br/>                 HANOVER 1 BLK COW 1,350@\$73.50<br/>                 RILEY 1 CHAR COW 1,430@\$73.00<br/>                 HEBRON,NE 1 BLK COW 1,595@\$72.00<br/>                 HANOVER 1 BLK COW 1,490@\$71.50<br/>                 MORROWVILLE 1 CHAR COW 1,515@\$69.50<br/>                 HANOVER 3 BLK COW 1,058@\$69.00<br/>                 WYMORE,NE 1 BLK COW 1,280@\$67.00<br/>                 MORROWVILLE 1 RED COW 1,195@\$65.00<br/>                 BEATTIE 1 WF COW 1,375@\$64.00<br/>                 HANOVER 1 BLK COW 1,510@\$64.00<br/>                 BREMEN 1 BWF COW 1,280@\$64.00<br/>                 HANOVER 1 BLK COW 1,470@\$63.00<br/>                 BREMEN 1 HOL COW 1,385@\$62.00</p> <p><b>ADULT BULLS</b></p> <p>BERN 1 BLK BULL 1,880@\$97.50</p> | <p><b>EARLY CONSIGNMENTS FOR 6-15-2017</b></p> <p>20 HOLSTEIN STRS 200-300# WV<br/>                 10 HOLSTEIN STRS 375-400# WV HR<br/>                 11 HOLSTEIN STRS 400-500# WV<br/>                 15 HOLSTEIN STRS 450-600# WV<br/>                 15 HOLSTEIN STRS 500-550# WV<br/>                 30 HOLSTEIN STRS 500-600# WV HR<br/>                 40 HOLSTEIN STRS 500-800# WV HR<br/>                 20 HOLSTEIN STRS 600-700# WV HR<br/>                 18 HOLSTEIN STRS 650-700# WV HR</p> <p>10 MIX STRS/HFRS 400-500# V HR<br/>                 25 BLK STRS/HFRS 500-600# WV HR<br/>                 20 BLK STRS/HFRS 500-650# WV HR</p> |
|---|---|---|

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## Flint Hills Summer Roundup: a benefit concert with good music and old friends

The Flint Hills Summer Roundup is happening on Saturday, June 24, 7 p.m. at Albert Taylor Hall on the campus of Emporia State University. The Diamond W Wranglers Band, (formerly the Prairie Rose Wranglers), will be performing with a

special guest appearance by the Flint Hills' own Jim Hoy, renowned historian, educator, author, poet, songwriter, singer, guitar player and rancher.

The Diamond W Wranglers Band will perform the fundraising concert to bene-

fit four Flint Hills non-profit organizations that educate and inspire folks to preserve the Flint Hills history, culture and tallgrass prairie. The \$38 ticket price covers the concert, wine, beer, water and light refreshments. Ticket proceeds

will benefit Camp Wood, Flint Hills Discovery Center Foundation, Pioneer Bluffs and Symphony in the Flint Hills.

Bruce Snead, president of the Flint Hills Discovery Center Foundation extended his thanks to Richard and

Sarah Porter, Porter Cattle Co. near Reading, or being the sponsors for this event. "With Richard and Sarah's visionary support, all of the proceeds of the ticket sales will go to the non-profits to further their efforts in bringing awareness to this

unique tallgrass prairie ecosystem."

This will be a wonderful evening to celebrate the Flint Hills, see old friends and enjoy great music!

Tickets are available online at [FHSummerRoundup.eventbrite.com](http://FHSummerRoundup.eventbrite.com).

## Kansas State University researchers identify new gene to resist wheat streak mosaic virus

Kansas State University researchers have identified a gene that will provide resistance to the wheat streak mosaic virus, a disease that is currently causing economic losses in Kansas fields.

Bernd Friebe, a research professor with the Wheat Genetic Resources Center in the Department of Plant Pathology said the Wsm3 gene is just the third gene known to provide resistance to the virus – and the first that can do so at outdoor temperatures of 75 degrees Fahrenheit and higher.

"We need more genetic diversity" for controlling wheat streak mosaic virus, Friebe said. "Leaf, stripe and stem rust each have about 70 named resistant genes. This is progress toward developing more resistance toward wheat streak mosaic virus."

Wheat streak mosaic virus is characterized by streaks of yellow non-uniform discoloration in wheat. Plants infected as seedlings are often stunted and have a reduced head size. The disease causes yield losses so severe that in extreme cases the crop can not be harvested.

Kansas Wheat, a partnership between the Kansas Wheat Commission and the Kansas Association of

Wheat Growers, reported in late May that the wheat streak mosaic virus is negatively affecting fields in western and central Kansas. Crop losses could be as high as 20 percent in some areas.

In the past, farmers' efforts to control the virus have focused mostly on removing volunteer wheat, which harbors the wheat curl mite, the primary carrier of the wheat streak mosaic virus.

The first two genes known to provide resistance to the virus were Wsm1 – identified by Kansas State University about 25 years ago – and Wsm2, which was discovered by researchers at Colorado State University.

But those two genes only provide protection in lower temperatures. Used in combination with Wsm1 or Wsm2, the warm-weather friendly Wsm3 could become part of a breeding mix that can give farmers' much-needed relief, Friebe said.

The new Wsm3 germplasm has been released through the Kansas Agricultural Experiment Station. It is currently available to breeders through the National Science Foundation's Industry/University Cooperative Research Centers program – whose members

have immediate access to the germplasm – but will also be available to public breeding programs in two years.

Through traditional breeding processes, it can take several years before resistance genes show up in varieties available for planting.

"Kansas State University is putting it into Everest wheat lines," said Friebe, referring to the university's most popular variety currently. Everest was first released to growers in 2009, and in 2017 is the No. 1 wheat variety planted in Kansas for the fifth straight year.

Kansas State University's work in this area began more than 25 years ago when researchers studied resistant germplasm developed by South Dakota State University scientist Darrell Wells and his co-workers. Friebe said the resistance was derived from a wild relative of wheat, *Thinopyrum intermedium*, better known as wheatgrass.

The resistant gene was named Wsm1. Friebe said it took K-State researchers nearly 20 years from the beginning of the study to the point where they had developed a Wsm1 germplasm with reduced wheatgrass genetic material available

for wheat breeding.

Technology has since improved, and it took researchers about six years from identifying Wsm3, which was also derived from wheatgrass, and the release of a germplasm, which has only a small wheatgrass segment. Breeding programs have also improved, and instead of 10-12 years to see the resistance show up in new varieties, it will likely take less time for Wsm3.

"Interestingly, both Wsm1 and Wsm3, as a bonus, are also conferring resistance to the Triticum mosaic virus (a related virus also affecting wheat yields) but only at cooler temperatures," Friebe said.

Until newly-developed resistant varieties are available, growers are urged to continue with best practices for controlling the spread of the wheat streak mosaic virus in their fields. They include timely removal of volunteer wheat and grassy weeds; avoiding early planting; and planting currently available, resistant varieties.

More information is available online at [kswheat.com/wheatstreak](http://kswheat.com/wheatstreak). Kansas State University also has a recent publication available at [www.bookstore.ksre.ksu.edu/pubs/MF3383.pdf](http://www.bookstore.ksre.ksu.edu/pubs/MF3383.pdf).

## What makes ice cream?

Sweet. Creamy. Delicious. Yes, ice cream falls into all three categories, but what exactly makes ice cream, well, ice cream?

While ingredients can vary from recipe to recipe or brand to brand, ice cream (whether homemade or commercial) includes at least three ingredients: milk (and/or cream), sweeteners and flavorings/mix-ins. Commercially made ice creams also include stabilizers and emulsifiers. Here's what all of that means:

Of course, the main ingredients in ice cream come from milk—and the most important part of that is milkfat, which gives ice cream its smoothness and creamy texture. In fact, in order to be called ice cream, the USDA requires it to contain at least 10 percent milkfat, which can come from milk or cream.

When it comes to sweetening ice cream, ingredients can range from cane or beet sugar to sweeteners or even honey. Stabilizers, such as plant-based gums (e.g. guar gum) are sometimes used to help prevent the formation of ice crystals and to give the ice cream its smoother texture. Similarly, emulsifiers (originally egg yolks) keep fat and water together and make ice cream more uniform as it freezes.

And ice cream just wouldn't be ice cream without your favorite flavorings and mix-ins. From vanilla to green tea, there's no limit to how you can flavor your ice cream!

As we mentioned, ice cream needs to contain at least 10 percent milkfat in order to be called ice cream, and there are similar guidelines for other frozen dairy treats. For example:

Soft serve includes the same ingredients as ice cream, but the soft serve machine adds air while freezing, which makes it "softer" than ice cream.

Like ice cream, frozen custard needs to contain at least 10 percent milkfat and also has 1.4 percent egg yolk solids.

Sherbets contain a minimal amount of milkfat – usually 1 to 2 percent. (Meanwhile, sorbets don't contain any dairy ingredients!)

Frozen yogurt is similar to ice cream, but the ingredients have been cultured.

Gelato, Italian-style ice cream, contains less fat (milkfat) and is churned slowly, which results in a denser taste.

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Grass & Grain, a farmers' newsweekly, has been published in Manhattan, Kansas for nearly 60 years.

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# Five Kansas FFA members receive KFB Discussion Meet awards

The first-ever Kansas FFA Discussion Meet hosted by Kansas Farm Bureau (KFB) concluded during the Kansas FFA State Convention in Manhattan.

Winners included:  
1st Place - Alexa McCurdy, West Franklin  
2nd Place - Isabel Har-

mon, Arkansas City  
3rd Place - Tatum Brun-  
kow, Rock Creek  
4th Place - Abby Goins,  
Labette County  
5th Place - Noah Oschner,  
Greeley County

"This event was the cul-  
mination of competitions  
held throughout the state

during the 2016-2017 school year," Rich Felts, president of Kansas Farm Bureau, says. "We applauded all those who participated and look forward to growing this program."

The competition required FFA members to discuss an assigned topic for 15 minutes. Participants

were scored and ranked on their ability to introduce the topic, analyze the problem, identify solutions, think critically, engage others effectively and summarize the discussion accurately. Topics focused on issues in crops, livestock, natural resources, ag education and FFA.

"The skills participants develop are transferable to so many real-life situations," Edie Doane, KFB's Young Farmers & Ranchers and Collegiate programs manager, says. "For next year, we're looking for small changes that will help further cultivate these essential leadership practices

and putting together a new set of topics that are relevant and appropriately challenging for FFA members."

To learn more about the event rules and participation, visit [www.kfb.org/ffa](http://www.kfb.org/ffa). If you are interested in volunteering at a district or state competition, contact [yfr@kfb.org](mailto:yfr@kfb.org).

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|-------------------|------------|----------|-------------|
| <b>BULLCALVES</b> |            | 12 blk   | 743@157.00  |
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| 3 wf              | 580@140.00 | 14 bkbwf | 721@153.50  |
| <b>HEIFERS</b>    |            | 8 mix    | 746@147.00  |
| 4 mix             | 348@137.50 | 5 mix    | 775@147.00  |
| 4 mix             | 471@156.00 | 38 mix   | 835@147.75  |
| 5 mix             | 538@138.00 | 32 bkbwf | 841@147.25  |
| 4 mix             | 615@156.00 | 12 mix   | 835@146.50  |
| 14 mix            | 613@140.50 | 12 bkbwf | 883@144.50  |
| 15 mix            | 755@142.50 | 3 mix    | 833@136.50  |
| 15 mix            | 778@142.50 | 15 mix   | 917@144.00  |
| 45 mix            | 892@136.50 | 190 blk  | 988@142.75  |
| 11 mix            | 958@137.50 | 33 mix   | 1003@135.00 |
| 6 mix             | 988@122.00 | 4 mix    | 1009@135.00 |
| 3 bkbwf           | 968@120.00 | 107 mix  | 1073@135.00 |
| <b>STEERS</b>     |            | 5 blk    | 1044@129.00 |
| 9 mix             | 519@175.00 | 4 mix    | 1090@128.00 |
| 6 blk             | 691@145.00 |          |             |

**NO SALE JUNE 14**  
**REG. SALE JUNE 21**  
**REG. SALE JUNE 28**  
**NO SALE JULY 5**

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## Kansas Department of Ag to host Animal Disease Traceability Forum June 22

The Kansas Department of Agriculture will host an Animal Disease Traceability (ADT) Forum on Thursday, June 22, 2017, at the K-State Alumni Center at 1720 Anderson Ave. in Manhattan. The forum will begin at 9:00 a.m. and conclude by 3:00 p.m.

Similar to other public forums held around the country, officials from the U.S. Department of Agriculture's Animal and Plant Health Inspection Service (USDA APHIS) will be on hand to provide information about the current ADT system and engage in a discussion on the successes and challenges of the current ADT framework, specifically for traceability in cattle and bison. Participants in the forum will also have the opportunity to provide solutions for improving the existing ADT system and ideas for the future of the program.

Animal disease traceability — knowing where diseased and at-risk animals are, where they've been, and when — is important to ensure a rapid response when animal disease events take place. An efficient and accurate animal disease traceability system helps reduce the number of animals involved in an investigation, reduces the time needed to respond, and decreases the cost to producers and the government. The federal Traceability for Livestock Moved Interstate rule went into effect in March 2013 and established minimum national official identification and documentation requirements for the traceability of livestock moving interstate.

The ADT forum in Kansas is open to the public. Individuals wishing to participate in the forum can register at the formsite link or at the KDA website, [agriculture.ks.gov/ADT](http://agriculture.ks.gov/ADT). Registration will be available on site. Individuals who have questions about the forum should contact Mary Soukup at [Mary.Soukup@ks.gov](mailto:Mary.Soukup@ks.gov) or call 785-564-6700 for more information.

Persons who require special accommodations must make their needs known at least two days prior to the meeting.

## USDA Farm Service Agency county committee nomination period begins June 15

The U.S. Department of Agriculture announced today that the nomination period for local Farm Service Agency (FSA) county committees begins on Thursday, June 15, 2017.

"County committees allow farmers and ranchers to make important decisions about how federal farm programs are administered locally to best serve their needs," said acting FSA administrator Chris Beyerhelm. "We strongly encourage all eligible producers to visit their local FSA office today to find out how to get involved in their county's election. There's an increasing need for representation from underserved producers, which includes beginning, women and other minority farmers and ranchers."

County committees are made up of farmers and ranchers elected by other producers in their communities to guide the delivery of farm programs at the local level. Committee members play a critical role in the day-to-day operations of FSA. Committees consist of three to 11 members and meet once a month or as needed to make important decisions on disaster and conservation programs, emergency programs, commodity price support loan programs, county office employment and other agricultural issues. Members serve three-year terms. Nationwide there are over 7,700

farmer and ranchers serving on FSA county committees.

Farmers and ranchers may nominate themselves or others. Organizations, including those representing beginning, women and minority producers, may also nominate candidates to better serve their communities. To be eligible to serve on an FSA county committee, a person must participate or cooperate in an agency administered program, and reside in the local administrative area where the election is being held.

After the nomination period, candidates will encourage the eligible producers in their local administrative area to vote. FSA will mail election ballots to eligible voters beginning Nov. 6, 2017. Ballots will be due back to the local county office either via mail or in person by Dec. 4, 2017. Newly elected committee members and alternates will take office on Jan. 1, 2018.

To become a candidate, an eligible individual must sign an FSA-669A nomination form. The form and other information about FSA county committee elections are available at [www.fsa.usda.gov/elections](http://www.fsa.usda.gov/elections). All nomination forms for the 2017 election must be post-marked or received in the local FSA office by Aug. 1, 2017. Locate your local office at <https://offices.usda.gov> and visit to get more information.

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\*\*\* UPCOMING SALE SCHEDULE \*\*\*

NEXT SALE: June 14

• June 21: NO SALE    • June 28: SALE

• July 5: NO SALE this week due to Holiday

• July 12: Back to Regular Sale Schedule

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Report from June 6, 2017:

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| <b>STEERS</b>  |     |        |                             |
| 3 mix          | 452 | 180.00 | <b>TOP BUTCHER COW:</b>     |
| 5 mix          | 533 | 173.00 | <b>\$82.50 @ 1,735 lbs.</b> |
| 6 blk          | 603 | 165.00 |                             |
| 55 mix         | 849 | 150.25 | <b>TOP BUTCHER BULL:</b>    |
| <b>HEIFERS</b> |     |        | <b>\$95.25 @ 1,915 lbs.</b> |
| 3 mix          | 425 | 160.00 |                             |
| 3 blk          | 527 | 159.00 | <b>COW/CALF PAIRS:</b>      |
| 34 mix         | 595 | 150.25 | <b>\$960-\$1,350</b>        |
| 3 blk          | 628 | 149.00 |                             |
| 35 mix         | 689 | 147.00 | <b>BRED COWS:</b>           |
| 3 blk          | 828 | 136.00 | <b>\$750-\$1,400</b>        |

UPCOMING SALE SCHEDULE

• NO SALE THIS WEEK ... JUNE 13

• NEXT SALE IS JUNE 20!

• June 27: NO SALE

• July 1: NO Sheep & Goat Sale

• July 4: NO SALE due to Holiday

• July 11: Back to Regular Sale Schedule

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# Local ag professional recognized for long-time membership

William G. Wilson, ARA with Gen 3 Appraisal Company in Manhattan was recently recognized by the American Society of Farm Managers and Rural Appraisers (ASFMRA) for 30 years of membership within the organization. Wilson is an agricultural professional who provides services for clients which may include farm and ranch management, rural appraisal, and/or agricultural consulting.

Wilson has been affiliated with ASFMRA, the largest and oldest professional association that provides opportunities for development through the highest quality educational and meeting offerings, and a strict standard of code of conduct and ethics to its members, for 30 years.

The ASFMRA represents nearly 2,000 agribusiness professionals across the U.S. and Canada, who provide farm or ranch management, rural appraisal and appraisal review or agricultural consulting services. Professional managers represent owners of over 25 million acres of U.S. farmland and provide the direct management of these operations. Professional rural appraisers provide valuation estimates on over 50 million acres of farm, ranch, and natural resource lands each year.

The ASFMRA, founded in 1929, is the pioneer organization in rural property issues and education. Its focus is to create and maintain a professionally trained group of AFMs (Accredited Farm Managers), ARAs (Accredited Rural Appraisers), RPRAs (Real Property Review Appraisers), and AACs (Accredited Agricultural Consultants) who are capable of providing expert guidance and assistance to people who own and/or operate agricultural lands and rural resource properties.



Intermediate Showmanship winners at the Wabaunsee County Spring Swine show, shown with Judge Kiah Gourley, were: 1st-Mandy Simmons (WA), 2nd-Kaylee Lukert (WB), 3rd-Taegan Miller (SH).

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**NO EARLY CONSIGNMENTS FOR JUNE 15.**  
 LAST SALE IS JUNE 22 Before we take our Summer Break!  
**NO SALES: JUNE 29 & JULY 6!**  
 1st Sale Back will be THURSDAY, JULY 13, 11 AM SHARP!

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**Cattle Sale Every Thursday 11:00 AM**

# Mission Valley FFA member recognized as State Star Farmer

Mission Valley FFA member Tyler Phillips was recognized as the State Star Farmer, one of the association's top honors, during the 89th Kansas FFA Convention, May 31-June 2, 2017, on the Kansas State University campus.

Each year, the Kansas FFA Association recognizes three FFA members who have the top Supervised Agricultural Experience (SAE) programs with the Star Farmer, Star in Agribusiness and Star in Ag Placement awards. The Star competitions are sponsored by ICM, Inc., United Bank and Trust and Kansas Farm Bureau.

Phillips' SAE is in Diversified Crop Production Entrepreneurship. He rents 300 acres of brome grass, 350 acres of prairie hay, and 18 acres of row crop land. He has recently expanded into the custom haying market for added income. He is majoring in farm and ranch management at Butler County Community College.

Phillips is the son of Thomas and Amy Phillips. His FFA advisors are Kelly Hoelting and John Bergin.

The district star winners who were finalists for the state Star Farmer honor were: Northwest District: Gracyn Higley, Atwood FFA; North Central District: Natalie Harris, Chapman FFA; Southeast District: Katie Malone, Erie FFA; South Central District: Cade Harms, Marion-Florence FFA; Northeast District: Cale Hinrichsen, Rock Creek FFA; and Southwest District: Brittany Walker, Southwestern Heights FFA.

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## Eureka Livestock Sale

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

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

*Like Us On Facebook!*

On Thursday, June 8 we had 497 head of cattle with mostly packer cows & bulls selling on a very active market.

|                     |                     |                     |
|---------------------|---------------------|---------------------|
| <b>STEERS</b>       | 5 bkbwf 722@161.25  | 6 blk 827@140.00    |
| 4 blk 465@192.00    | 14 wfx 851@134.00   | 6 blk 824@139.50    |
| 3 bkChar 497@184.00 | <b>HEIFERS</b>      | 6 mix 748@137.00    |
| 2 bkbwf 523@181.25  | 9 blk 464@166.25    | 4 bkbwf 1018@135.75 |
| 5 bkred 587@176.00  | 3 bkred 437@162.00  | 5 bkbwf 1058@134.50 |
| 3 blk 592@175.00    | 6 bkred 528@154.00  | 4 bkbwf 1013@121.00 |
| 9 rdChar 592@174.50 | 4 bkred 523@150.50  |                     |
| 6 bkChar 616@168.50 | 9 bkChar 545@148.25 |                     |

**Butcher Cows: \$50-\$85.00, Mostly \$68-\$78, very active.**  
**Butcher Bulls: \$84-\$100, Mostly \$90-\$96.**

|                            |                       |
|----------------------------|-----------------------|
| <b>FALL BRED COWS</b>      | 1 bwf 1405@76.00      |
| 7 blk, 4 yrs 1144@1800.00  | 2 blk 1313@75.50      |
| 12 blk, 5 yrs 1194@1660.00 | 7 blkbwf 1233@74.50   |
| 5 blk, 5 yrs 1356@1660.00  | 4 blk 1658@74.00      |
| 10 blk, 6 yrs 1149@1360.00 | <b>BUTCHER BULLS</b>  |
|                            | 1 blk 2060@100.00     |
|                            | 1 blk Limo 1190@85.00 |
|                            | 1 blk 1955@98.00      |
|                            | 1 red bwf 1420@84.50  |
|                            | 1 blk 1525@97.50      |
|                            | 1 red 1185@83.00      |
|                            | 1 blk 1890@97.00      |
|                            | 1 wht pack 1165@79.50 |
|                            | 1 blk 1985@97.00      |
|                            | 2 blk red 1253@78.00  |
|                            | 1 blk 1855@97.00      |
|                            | 1 blk 1695@78.00      |
|                            | 1 blk 1830@97.00      |
|                            | 8 blk 1195@77.50      |
|                            | 1 red Ang 1630@96.50  |
|                            | 6 blk 1708@77.00      |
|                            | 1 blk 1815@96.25      |
|                            | 1 blk 1320@76.50      |

### EARLY CONSIGNMENTS FOR JUNE 15

- 51 real fancy red Angus cows 3-5 yrs old, bred to Angus bulls, start calving Sept. 1. Complete dispersal from Kincaid, KS.
- 55 blk red Char str & hfrs, 450-650 lbs, weaned 30 days & double vac.
- 37 blk bwf str & hfrs, 500-700 lbs, calves.
- 50 blk red Char packer cows off 1 ranch

### SPECIAL CALF/FEEDER CALF SALE JUNE 22

- 150 mostly blk str, 750-900 lbs
- 75 mostly blk str & hfrs, 500-700 lbs, Fall calves
- 100 mixed packer cows off 1 ranch

Call with your consignments today! Call Ron at 620-750-0123

We appreciate your business!

**Ron Ervin - Owner-Manager**  
 Home Phone - 620-583-5385  
 Mobile Cell 620-750-0123

**Austin Evenson- Fieldman**  
 Mobile Cell 620-750-0222

If you have any cattle to be looked at call Ron or Austin

# PRIME Act introduced in Congress

U.S. Reps. Thomas Massie (R-Ky.) and Chellie Pingree (D-Maine) and Sens. Angus King (I-Maine) and Rand Paul (R-Ky.) introduced the Processing Meat Revival and Intrastate Meat Exemption or the PRIME Act in Congress. The authors claim the purpose of the bill is to make it easier for local businesses to provide meat for customers by allowing states to develop their own meat inspection regulations for meat produced and sold in state.

Under current law, only meat that is slaughtered for personal, household, guest or employee use is exempt from federal inspection regulations. All other animals for slaughter must be sent to a state or USDA inspected slaughterhouse.

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## Central Livestock

811 N. Main St. South Hutchinson, Ks

[www.centrallivestockks.com](http://www.centrallivestockks.com)

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

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

**Sat., June 17th- Hog/Sheep/Goat Sale**  
**Tues., June 20- NO SALE**  
**Tues., June 27- NO SALE**  
**Sat., July 1st- Horse & Tack Sale**  
**Tues., July 4th- NO SALE**  
**Tues., July 11th- Hay & Cattle Sale**

## Holton Livestock Exchange, Inc.

1/2 mile East of Holton, KS on 16 Highway

**Livestock Auction every Tuesday at 12 NOON**  
 Serving the Midwest Livestock Industry for 64 Years!  
 \*\*\*\* STARTING TIME: 12:00 NOON \*\*\*\*

MARKET REPORT FOR TUESDAY, JUNE 6, 2017  
 RECEIPTS: 998 CATTLE

|                           |                                       |
|---------------------------|---------------------------------------|
| <b>STEERS</b>             | 8 blk hfrs 528@164.00                 |
| 4 blk bwf str 460@200.00  | 4 blk hfrs 491@161.50                 |
| 8 blk str 424@200.00      | 3 blk red hfrs 556@156.50             |
| 2 bwf rwf str 402@192.00  | 3 blk hfrs 626@152.00                 |
| 3 blk str 361@190.00      | 5 blk hfrs 589@152.00                 |
| 4 blk gry str 505@190.00  | 7 blk red hfrs 610@152.00             |
| 6 blk str 485@190.00      | 9 blk red hfrs 570@149.50             |
| 3 blk str 373@186.00      | 9 blk hfrs 632@146.75                 |
| 7 blk str 522@182.00      | 47 mix hfrs 755@146.75                |
| 2 blk bwf str 610@171.00  | 23 blk hfrs 763@143.00                |
| 5 blk str 534@170.00      | 61 blk char hfrs 826@140.00           |
| 5 bwf rwf str 639@168.00  | 67 blk hfrs 812@140.00                |
| 5 blk str 638@163.00      | 50 blk hfrs 753@139.75                |
| 5 blk bwf str 682@161.00  | 7 blk bwf hfrs 888@139.00             |
| 10 blk red str 612@156.50 | 4 blk rwf hfrs 913@136.50             |
| 4 blk bwf str 723@152.00  | 6 blk hfrs 781@136.00                 |
| 19 blk str 672@151.50     | 5 rwf bwf hfrs 763@132.00             |
| 24 mix str 865@151.25     |                                       |
| 4 blk bulls 545@149.00    | <b>BRED COWS &amp; COW/CALF PAIRS</b> |
| 5 char str 626@149.00     | 1 blk cow 5yr 2pr 1140@1,075.00       |
| 6 char blk str 645@146.00 | 6 blk pairs 2-3yr 1pr 1195@1,900.00   |
| 12 bwf rwf str 964@140.50 | 6 blk prs 2-3yr open 1156@1,825.00    |
|                           | 6 blk prs 2-3yr open 1156@1,825.00    |
| <b>HEIFERS</b>            | 1 rwf bwf pr 6yr 1pr 1325@1,775.00    |
| 4 blk hfrs 370@178.00     | 2 blk prs 4-5yr open 1467@1,650.00    |
| 3 blk hfrs 311@177.00     | 1 red blk pair 3yr 1pr1065@1,575.00   |
| 5 blk bwf hfrs 414@175.00 | 2 blk bwf pairs 8yr 1587@1,575.00     |
| 5 blk hfrs 308@174.00     | 1 blk pair 6yr 1200@1,525.00          |
| 6 blk hfrs 392@173.00     | 2 blk pairs 3-4yr 1245@1,300.00       |
| 4 blk bwf hfrs 485@172.00 | 1 bwf red pair 3yr 970@1,275.00       |
| 10 blk hfrs 454@169.00    | 1 red cow 1yr 3pr 1160@1,100.00       |
| 3 blk red hfrs 389@167.50 | 1 heif cow 2yr 3pr 1005@1,075.00      |
| 4 blk hfrs 527@166.00     |                                       |
| 7 blk hfrs 517@165.50     |                                       |

**JUNE 24--FARM, HOUSEHOLD & REAL ESTATE AUCTION FOR ROBERT & ANN MACHA, DELIA, KS**  
**JUNE 27--REGULAR WEEKLY AUCTION--12 NOON**  
**JULY 4--CLOSED--NO AUCTION**  
**JULY 11--SPECIAL CALF & YEARLING AUCTION--12 NOON**  
**JULY 18--REGULAR WEEKLY AUCTION--12 NOON**  
**JULY 22--REAL ESTATE & PERSONAL PROPERTY AUCTION FOR THE ESTATE OF LEONE JAMES, VALLEY FALLS, KS**

Dan Harris, Auctioneer & Owner • 785-364-7137  
 Danny Deters, Corning, Auct. & Field Rep • 785-868-2591  
 Dick Coppinger, Winchester, Field Rep. • 913-774-2415  
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 Barn Phone • 785-364-4114  
**WEBSITE: [www.holtonlivestock.com](http://www.holtonlivestock.com)**  
**EMAIL: [dan@holtonlivestock.com](mailto:dan@holtonlivestock.com)**

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# Elevators scrambling as Kansas wheat harvest gets under way

(AP) – Grain elevators across Kansas are feverishly working to move last year's grain out to make room for the new winter wheat crop as another harvest nears.

Kansas Grain and Feed Association executive director Tom Tunnell says there is still a storage issue, particularly in southwest Kansas.

The activity at elevators comes amid a wheat crop that has begun ripening. The

Kansas harvest typically begins in the state's southernmost counties and moves northward as the wheat ripens.

Cutting could begin soon in south-central Kansas with harvest expected to be in full swing by the second week of June.

Farmers are grappling with damp weather, crop diseases and low prices and cash prices that are \$1 to \$1.50 a bushel below break-even cost.

# Where you grow what you grow – Camelina's varied response to location

Camelina: Have you heard of it? It's an emerging alternative oilseed crop in parts of the Great Plains.

A new study, led by Augustine Obour at Kansas State University, looks at how three varieties of camelina perform when grown in two different regions within the Great Plains.

The end goal is to find the camelina variety that performs best in each location or environment.

"It's actually a challenge to identify alternative crops that are well adapted to semi-arid areas of the Great Plains," says Obour. "Plus, these crops have to fit into existing crop rotations."

That's where camelina excels. It's a short-season, cold-tolerant crop that grows well on marginal lands. It is also compatible with existing farm equipment used for grain crops.

Oil extracted from camelina seeds has several uses. It can be used for biodiesel and renewable jet fuel production. It is also a good source of a-linolenic acid, a precursor for other healthy fatty acids essential for human and animal health. Together with camelina meal, the oil can also be used to manufacture adhesives, coatings, gums, resins, and varnishes.

Most of the research on

camelina cultivation has focused on the northern parts of the Great Plains – parts of Montana and Wyoming. But the Great Plains stretches over 500 miles east to west, and 2000 miles north to south. Environmental conditions can vary widely in different parts of the Plains.

"Conditions, such as rainfall and air temperature, can have significant effects on yield and oil content of camelina," says Obour. For example, heat and moisture stress during flowering can reduce seed yield and alter oil composition.

How would camelina perform when grown in the central Great Plains?

# KPA develops new email series

The Kansas Pork Association has developed an e-newsletter series, Real Pig Farming 101: Opening the Barn Doors, targeted at Kansas legislators, county commissioners and federal legislative staff. The goal is to give an introduction to pork production in the state.

The e-newsletter fea-

tures a short video about a Kansas farmer, a short cooking video and quick facts. The videos are produced by the KPA staff.

"We hope to give some insight into hog production today and create a connection between farmers and legislators," said Tim Stroda, KPA president/CEO.

Roy Henry, Longford;

Jerry Morris and Josh Bohrn, Sedgwick; and Alan and Curt Haverkamp, Bern, have been featured in the videos so far. To view the videos, visit [www.youtube.com/KansasPork](http://www.youtube.com/KansasPork).

If you are interested in having your farm featured in this series, please contact the KPA office at 785-776-0422 or [kpa@ksapork.org](mailto:kpa@ksapork.org).

## Grass & Grain Weather Report June 13, 2017

| Seven Day Forecast  | In-Depth Local Forecast   | Today's Local Outlook   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
|---|---|---|-------------|-------------|------------|-------------|----------|---------|-------|------|---------|-----------|-----------|------------|-----------|-------|-------|-----------|-----------|-----------|----------|------------|-------|-------|----------|-----------|-----------|------------|------------|-----|-------|--------|-----------|--|-----------|------------|------------|-------|-------------|-----------|-----------|-----------|-------------|-------|----------|--------|-----------|-----------|-----------|-----------|---------------|-------|---------|-----------|---------------|-----------|-----------|-----|
| <b>TUESDAY</b><br>Partly Cloudy<br>High: 89 Low: 74<br><br><b>WEDNESDAY</b><br>Partly Cloudy<br>High: 86 Low: 68<br><br><b>THURSDAY</b><br>Mostly Sunny<br>High: 88 Low: 70<br><br><b>FRIDAY</b><br>Mostly Cloudy<br>High: 87 Low: 67<br><br><b>SATURDAY</b><br>Mostly Cloudy<br>High: 83 Low: 64<br><br><b>SUNDAY</b><br>Sunny<br>High: 76 Low: 60<br><br><b>MONDAY</b><br>Mostly Cloudy<br>High: 71 Low: 57   | Today we will see partly cloudy skies with a slight chance of isolated thunderstorms, high of 89°, humidity of 51%. South wind 10 to 14 mph. The record high for today is 107° set in 1953. Expect partly cloudy skies tonight with a slight chance of isolated thunderstorms.<br><br><b>Last Week's Almanac</b><br><table border="1"> <thead> <tr> <th>Date</th> <th>Hi/Lo</th> <th>Normals</th> <th>Precip</th> </tr> </thead> <tbody> <tr><td>6/2</td><td>86/63</td><td>83/59</td><td>0.00"</td></tr> <tr><td>6/3</td><td>83/62</td><td>83/59</td><td>0.13"</td></tr> <tr><td>6/4</td><td>86/67</td><td>83/59</td><td>0.00"</td></tr> <tr><td>6/5</td><td>92/61</td><td>83/60</td><td>0.00"</td></tr> <tr><td>6/6</td><td>85/63</td><td>84/60</td><td>0.00"</td></tr> <tr><td>6/7</td><td>82/60</td><td>84/61</td><td>0.00"</td></tr> <tr><td>6/8</td><td>84/54</td><td>85/61</td><td>0.00"</td></tr> </tbody> </table> Rainfall ..... 0.13"<br>Normal rainfall ..... 1.54"<br>Departure ..... -1.41"<br>Average temp ..... 73.4°<br>Average normal ..... 71.7°<br>Departure ..... +1.7° | Date  | Hi/Lo       | Normals     | Precip     | 6/2         | 86/63    | 83/59   | 0.00" | 6/3  | 83/62   | 83/59     | 0.13"     | 6/4        | 86/67     | 83/59 | 0.00" | 6/5       | 92/61     | 83/60     | 0.00"    | 6/6        | 85/63 | 84/60 | 0.00"    | 6/7       | 82/60     | 84/61      | 0.00"      | 6/8 | 84/54 | 85/61  | 0.00"     | <table border="1"> <thead> <tr> <th>Location</th> <th>High/Low</th> </tr> </thead> <tbody> <tr><td>Washington</td><td>85/76</td></tr> <tr><td>Blue Rapids</td><td>88/73</td></tr> <tr><td>Seneca</td><td>89/72</td></tr> <tr><td>Clay Center</td><td>89/74</td></tr> <tr><td>Mahattan</td><td>89/74</td></tr> <tr><td>Wamego</td><td>88/76</td></tr> <tr><td>Ogden</td><td>91/72</td></tr> <tr><td>Junction City</td><td>90/74</td></tr> <tr><td>Abilene</td><td>90/75</td></tr> <tr><td>Council Grove</td><td>89/74</td></tr> </tbody> </table> | Location  | High/Low   | Washington | 85/76 | Blue Rapids | 88/73     | Seneca    | 89/72     | Clay Center | 89/74 | Mahattan | 89/74  | Wamego    | 88/76     | Ogden     | 91/72     | Junction City | 90/74 | Abilene | 90/75     | Council Grove | 89/74     |           |     |
| Date  | Hi/Lo   | Normals   | Precip      |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/2   | 86/63   | 83/59   | 0.00"       |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/3   | 83/62   | 83/59   | 0.13"       |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/4   | 86/67   | 83/59   | 0.00"       |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/5   | 92/61   | 83/60   | 0.00"       |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/6   | 85/63   | 84/60   | 0.00"       |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/7   | 82/60   | 84/61   | 0.00"       |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/8   | 84/54   | 85/61   | 0.00"       |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Location  | High/Low  |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Washington  | 85/76   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Blue Rapids   | 88/73   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Seneca  | 89/72   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Clay Center   | 89/74   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Mahattan  | 89/74   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Wamego  | 88/76   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Ogden   | 91/72   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Junction City   | 90/74   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Abilene   | 90/75   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Council Grove   | 89/74   |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| <b>Local UV Index</b><br>   | <b>Weather History</b><br>June 13, 1984 - Severe thunderstorms struck Denver, deluging the city with five inches of rain and leaving up to six feet of water in some places. Softball size hail smashed windshields and ripped through metal cars. Snowplows had to be called out.  | <b>Growing Degree Days</b><br><table border="1"> <thead> <tr> <th>Date</th> <th>Degree Days</th> <th>Date</th> <th>Degree Days</th> </tr> </thead> <tbody> <tr><td>6/2</td><td>24</td><td>6/6</td><td>24</td></tr> <tr><td>6/3</td><td>22</td><td>6/7</td><td>21</td></tr> <tr><td>6/4</td><td>26</td><td>6/8</td><td>19</td></tr> <tr><td>6/5</td><td>26</td><td></td><td></td></tr> </tbody> </table> | Date        | Degree Days | Date       | Degree Days | 6/2      | 24      | 6/6   | 24   | 6/3     | 22        | 6/7       | 21         | 6/4       | 26    | 6/8   | 19        | 6/5       | 26        |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| Date  | Degree Days   | Date  | Degree Days |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/2   | 24  | 6/6   | 24          |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/3   | 22  | 6/7   | 21          |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/4   | 26  | 6/8   | 19          |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| 6/5   | 26  |   |             |             |            |             |          |         |       |      |         |           |           |            |           |       |       |           |           |           |          |            |       |       |          |           |           |            |            |     |       |        |           |  |           |            |            |       |             |           |           |           |             |       |          |        |           |           |           |           |               |       |         |           |               |           |           |     |
| <b>This Week's Sun &amp; Moon Chart</b><br><table border="1"> <thead> <tr> <th>Last</th> <th>Day</th> <th>Sunrise</th> <th>Sunset</th> <th>Moonrise</th> <th>Moonset</th> <th>First</th> </tr> </thead> <tbody> <tr> <td>6/17</td> <td>Tuesday</td> <td>6:00 a.m.</td> <td>8:53 p.m.</td> <td>11:56 p.m.</td> <td>9:38 a.m.</td> <td>6/30</td> </tr> <tr> <td></td> <td>Wednesday</td> <td>6:00 a.m.</td> <td>8:54 p.m.</td> <td>Prev Day</td> <td>10:36 a.m.</td> <td></td> </tr> <tr> <td></td> <td>Thursday</td> <td>6:00 a.m.</td> <td>8:54 p.m.</td> <td>12:32 a.m.</td> <td>11:35 a.m.</td> <td></td> </tr> <tr> <td></td> <td>Friday</td> <td>6:00 a.m.</td> <td>8:54 p.m.</td> <td>1:07 a.m.</td> <td>12:36 p.m.</td> <td></td> </tr> <tr> <td></td> <td>Saturday</td> <td>6:00 a.m.</td> <td>8:55 p.m.</td> <td>1:40 a.m.</td> <td>1:39 p.m.</td> <td></td> </tr> <tr> <td></td> <td>Sunday</td> <td>6:00 a.m.</td> <td>8:55 p.m.</td> <td>2:13 a.m.</td> <td>2:44 p.m.</td> <td></td> </tr> <tr> <td></td> <td>Monday</td> <td>6:00 a.m.</td> <td>8:55 p.m.</td> <td>2:48 a.m.</td> <td>3:51 p.m.</td> <td>7/9</td> </tr> </tbody> </table> |   |   | Last        | Day         | Sunrise    | Sunset      | Moonrise | Moonset | First | 6/17 | Tuesday | 6:00 a.m. | 8:53 p.m. | 11:56 p.m. | 9:38 a.m. | 6/30  |       | Wednesday | 6:00 a.m. | 8:54 p.m. | Prev Day | 10:36 a.m. |       |       | Thursday | 6:00 a.m. | 8:54 p.m. | 12:32 a.m. | 11:35 a.m. |     |       | Friday | 6:00 a.m. | 8:54 p.m.  | 1:07 a.m. | 12:36 p.m. |            |       | Saturday    | 6:00 a.m. | 8:55 p.m. | 1:40 a.m. | 1:39 p.m.   |       |          | Sunday | 6:00 a.m. | 8:55 p.m. | 2:13 a.m. | 2:44 p.m. |               |       | Monday  | 6:00 a.m. | 8:55 p.m.     | 2:48 a.m. | 3:51 p.m. | 7/9 |
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To answer this question, the researchers picked two test sites. One of the test sites was in Hays, Kansas, in the central Great Plains. Hays has relatively early springs and warmer summer air temperatures. The other test site was in Moccasin, Montana, in the northern Great Plains, with relatively cooler spring and summer temperatures. Moccasin also has lower average annual rainfall than that of Hays.

"These two sites provided us with an opportunity to test the effects of environmental conditions on camelina growth, yield, and oil composition," says Obour.

But environmental con-

ditions aren't alone in affecting how crops perform. Differences in the genetic makeup of crop varieties also influence which ones thrive in specific environments. "Different varieties of camelina respond to environmental stresses differently," says Obour. "That ultimately affects yield and oil content."

Over the course of three years, Obour and his colleagues grew three different camelina varieties in the two test sites. This way, the researchers could test how camelina genetics and environmental conditions together affected yield and oil content.

All three camelina vari-

eties performed similarly at Moccasin, despite their genetic differences. At Hays, however, one variety, called Blaine Creek, had 42% higher seed yields than the other two. "This highlights the importance of looking at both crop genetics and environmental conditions," says Obour.

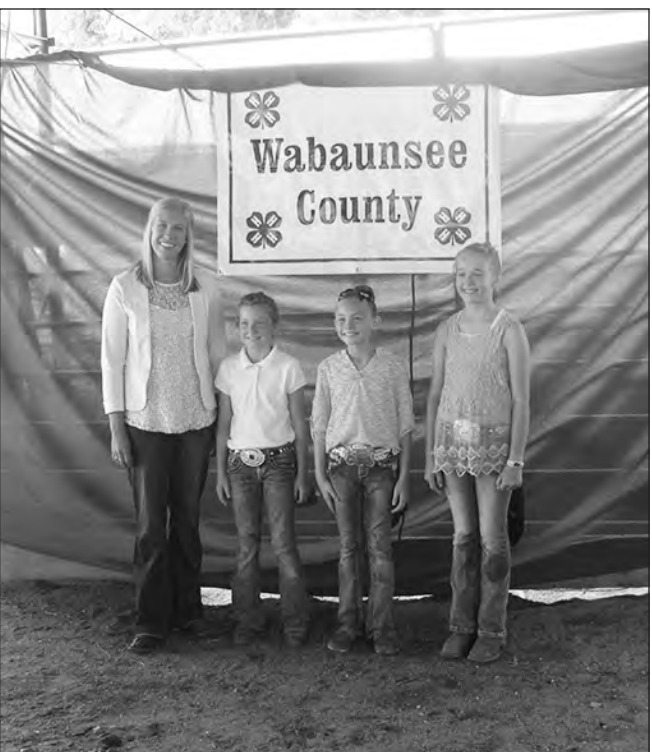
Overall, camelina seed yields were 54% lower at Hays than at Moccasin. The researchers also found that camelina oil content was lower at Hays. However, seed protein content was significantly higher at Hays.

Oil composition was different between the two test sites as well. Monounsaturated and saturated fatty acid contents were greater at Hays but polyunsaturated oil content was lower. This is important for growers to know so they can better target their crop to a chosen market.

"Our findings confirm that camelina seed yield, oil content, and fatty acid composition are significantly affected by both the environment and camelina genetics," says Obour.

Obour's work continues. "The next line of research is selecting camelina varieties that are tolerant to heat stress," says Obour. That will allow for improved seed yield, oil content, and fatty acid profile of camelina grown across the central Great Plains.

Read more about Obour's work in *Agronomy Journal*. The study was supported by the USDA-NIFA Biomass Research and Development Initiative program and by the USDA/DOE Plant Feedstock Genomics for Bioenergy.



In the Wabaunsee County Spring Swine Show junior showmanship class, Judge Kiah Gourley, left, selected the following winners: 1st-Shelby Showalter (SN), 2nd-Danica Davis (WB), 3rd-Keilee Finnerty (LY).

# Sell At St. Marys

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

|   |   |   |   |   |
|---|---|---|---|---|
| <b>We sold 582 cattle June 6. There was good demand for steer and heifer calves at steady prices. Feeder steers and heifers sold \$5.00-10.00 higher. Cows and bulls were steady.</b>   |   | 5 blk hfrs 578 @ 159.00<br>65 blk/bwf hfrs 770 @ 145.75<br>3 bwf hfrs 662 @ 141.00<br>5 x-bred hfrs 791 @ 136.00  | 1 bwf cow 1275 @ 71.50<br>1 blk cow 1215 @ 70.50<br>1 red cow 1375 @ 70.00<br>1 blk cow 1230 @ 69.00<br>1 blk cow 1215 @ 68.00<br>1 blk cow 1315 @ 67.50<br>1 blk cow 1255 @ 65.50<br>1 blk cow 1650 @ 65.00<br>1 jers cow 1020 @ 64.50<br>1 bwf cow 1440 @ 64.00<br>1 blk cow 1230 @ 63.00<br>1 blk cow 1270 @ 62.50 | <b>BULLS</b><br>1 blk bull 2000 @ 87.50<br>1 blk bull 1515 @ 86.00<br>1 blk bull 1765 @ 91.50<br>1 blk bull 1400 @ 85.00  |
| <b>STEER &amp; BULL CALVES</b><br>5 blk/red bulls 307 @ 201.00<br>1 blk str 435 @ 195.00<br>1 bwf str 295 @ 194.00<br>2 bwf str 485 @ 191.00<br>1 red str 345 @ 188.00<br>1 char bull 280 @ 184.00<br>3 red bulls 380 @ 183.00<br>2 blk str 533 @ 179.00<br>1 wf str 510 @ 160.00 | 63 wf str 874 @ 151.25<br>20 blk str 878 @ 150.00<br>10 blk/bwf str 879 @ 147.50<br>14 blk str 913 @ 147.25<br>60 mix str 936 @ 145.25<br>66 mix str 921 @ 145.00<br>60 blk/char str 950 @ 143.75 | <b>COWS &amp; HEIFERETTES</b><br>1 blk hfrt 1020 @ 125.00<br>1 red hfrt 1035 @ 120.00<br>1 char hfrt 805 @ 100.00<br>1 red hfrt 855 @ 90.00<br>1 blk cow 1180 @ 80.00<br>1 bwf cow 1055 @ 77.00<br>1 bwf cow 1405 @ 75.50<br>1 blk cow 1455 @ 75.00<br>1 bwf cow 1440 @ 74.50<br>1 blk cow 1450 @ 72.50<br>1 red cow 1235 @ 72.00 | <b>BRED COWS &amp; PAIRS</b><br>1 blk cow/cf @ 1500.00<br>1 red cow/cf @ 1250.00<br>1 blk cow @ 910.00  | <b>HEIFER CALVES</b><br>2 blk hfrs 350 @ 170.00<br>4 red hfrs 353 @ 161.00<br>3 blk hfrs 422 @ 155.00<br>2 blk hfrs 528 @ 155.00<br>4 blk/bwf hfrs 461 @ 151.00<br>1 blk hfr 385 @ 150.00 |
| <b>STOCKER &amp; FEEDER STEERS</b><br>6 x-bred str 649 @ 165.00<br>3 blk str 692 @ 161.00<br>1 blk str 645 @ 156.00<br>1 blk str 635 @ 155.00<br>4 wf/bwf str 816 @ 151.50<br>58 mix str 903 @ 151.50   | <b>STOCKER &amp; FEEDER HEIFERS</b><br>1 blk hfr 560 @ 165.00   | <b>WATCH OUR AUCTIONS LIVE ON DVAuctions.com</b>  |   |   |

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