

Schwieterman Market Outlook

A marketing commentary by Bret Crofts

Coronavirus was the only topic of discussion that really matter once again last week. Depending on which way the headlines read the stock market was either sharply higher or sharply lower. We even had the largest one day point day ever on the Dow Jones. The volatility and the uncertainty, and the surprise half point rate cut by the fed, sent the bond and note futures to uncharted levels and yields down to levels not seen before. It will be interesting to see if somebody can get a 30-year mortgage for 2.5% next week.

Cattle futures and the stock market were closely correlated this week, so when stocks were down, the cattle probably were too. Cash trade was down to \$113, which could have been worse, and the feeder index has had a long string of sideways numbers. The lack of overt cash market pressure did not seem to help the cattle much, however, and the April live cattle fell to a new contract low Friday. April feeders didn't make a new contract low, but did get close and made a new multi-month low.

Friday's poor closes suggest more weakness is

ahead, especially if the stock market is lower. The next downside target in the April live cattle is just above \$100 and the \$128 area has been acting as support for years in the feeders, so we will probably test that again.

At times the grains, and particularly the corn, did a better job of trading independently of the stock market than the cattle did. The corn actually had some impressive gains at times, but gave up a lot of those gains on Friday. \$3.76 should act as solid support in the July corn, and if that fails the next target is the contract low. The wheat and soybeans appear set to at least test recent lows, and probably slide further than that. \$4.40 is a good downside target for the July KW, and a move to \$8.70 is still a possibility for the July soybeans.

We do have a supply and demand report on the 10th, but there is a great chance that it doesn't give us much market moving information. There have been a few Chinese purchases here and there, but not enough to change the supply and demand tables. The possible exception is the grains sorghum, where

there has been a great deal of export business. USDA, however, will probably want to see more big sales before making adjustments.

Our next potential for excitement from USDA numbers will be March 31st when we get the Prospective Plantings Report and the Quarterly Stocks Report. The bull spreading in the corn still suggests that we don't have as much corn on hand as the supply and demand report would suggest, so maybe there will be something to work with in the Stocks report. As far as the acreage goes, we know we will have more corn and beans, but the size of the increases and the mix between the two can cause volatility.

The U.S. Dollar Index has gone from multi-year highs, to nearly one year lows in the course of just a couple of weeks. The volatility in the stock market and the fed rate cut have put heavy pressure on the dollar. Normally there is an inverse relationship between the dollar and corn, so perhaps the dollar weakness will begin to help the ag markets in the near future. Plan on a lot of volatility in the current

markets until we get some stability in the stock market.

Schwieterman, Inc. is a full-service commodity brokerage firm. If you would like more information on commodity markets or our brokerage services, contact Bret Crofts at 800-272-9131, www.upthelimit.com or bret@subell.net

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Grass & Grain Weather Report March 11, 2020

| Seven Day Forecast | In-Depth Local Forecast | Today's Local Outlook | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|--------------|----------------|-----------|-------------|-------|-------|------|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|---|----------|-----------------|-----------|--------------|----------------|-----------|-------|-------|--------|-------|-------|-------|--|-----|---------|--------|----------|---------|-----------|-----------|-----------|------------|-----------|----------|-----------|-----------|------------|-----------|--------|-----------|-----------|----------|------------|----------|-----------|-----------|------------|------------|--------|-----------|-----------|-----------|------------|--------|-----------|-----------|-----------|------------|---------|-----------|-----------|-----------|-----------|
| WEDNESDAY Chance T-storms High: 58 Low: 44 THURSDAY Few Showers High: 56 Low: 46 FRIDAY Cloudy High: 54 Low: 40 SATURDAY Few Showers High: 52 Low: 38 SUNDAY Partly Cloudy High: 59 Low: 45 MONDAY Cloudy High: 62 Low: 48 TUESDAY Sunny High: 60 Low: 50 | Today we will see mostly cloudy skies with a 30% chance of showers and thunderstorms, high temperature of 58°, humidity of 62%. North northeast wind 3 to 7 mph. The record high temperature for today is 74° set in 2011. | Washington 62/51 Blue Rapids 54/41 Seneca 53/40 Clay Center 56/43 Manhattan 58/44 Wamego 58/44 Ogden 57/43 Junction City 59/45 Abilene 58/44 Council Grove 60/45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Last Week's Almanac | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Local UV Index 0-2: Low, 3-5: Moderate, 6-7: High, 8-10: Very High, 11+: Extreme Exposure | Weather History March 11, 1988 - A blizzard raged across the north central United States. Chadron, Neb., was buried under 33 inches of snow, up to 25 inches of snow was reported in eastern Wyoming, and totals in the Black Hills of South Dakota ranged up to 69 inches at Lead. | Growing Degree Days <table border="1"> <thead> <tr> <th>Date</th> <th>Degree Days</th> <th>Date</th> <th>Degree Days</th> </tr> </thead> <tbody> <tr> <td>2/28</td> <td>0</td> <td>3/3</td> <td>0</td> </tr> <tr> <td>2/29</td> <td>0</td> <td>3/4</td> <td>0</td> </tr> <tr> <td>3/1</td> <td>3</td> <td>3/5</td> <td>0</td> </tr> <tr> <td>3/2</td> <td>0</td> <td></td> <td></td> </tr> </tbody> </table> | Date | Degree Days | Date | Degree Days | 2/28 | 0 | 3/3 | 0 | 2/29 | 0 | 3/4 | 0 | 3/1 | 3 | 3/5 | 0 | 3/2 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 2/28 | 0 | 3/3 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2/29 | 0 | 3/4 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3/1 | 3 | 3/5 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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MANHATTAN COMM. CO. INC. CATTLE AUCTION EVERY FRIDAY

1-800-834-1029 Toll-Free STARTING 10:00 A.M. ON WEIGH COWS FOLLOWED BY STOCKER FEEDERS — 11:00 A.M. OFFICE PHONE 785-776-4815 • OWNERS MERVIN SEXTON & JOHN CLINE

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

| <p>The quality 1st calf heifers with 30 day old calves showed a strong market at our sale Friday, March 6th. Lighter cattle were in demand and were steady to strong on weaned cattle. Feeders were showing \$3-\$4 lower.</p> <p>STEER CALVES — 250-550 LBS</p> <table border="1"> <tr><td>Baileyville 7 blk</td><td>267@222.00</td></tr> <tr><td>Baileyville 25 blk</td><td>302@219.00</td></tr> <tr><td>Baileyville 29 blk</td><td>379@203.00</td></tr> <tr><td>Green 6 blk</td><td>317@191.00</td></tr> <tr><td>Minneapolis 16 blk</td><td>484@190.00</td></tr> <tr><td>Basehor 6 blk</td><td>463@188.00</td></tr> <tr><td>Baileyville 28 blk</td><td>463@183.50</td></tr> <tr><td>Summerfield 14 blk</td><td>401@182.00</td></tr> <tr><td>Green 15 blk</td><td>433@179.75</td></tr> <tr><td>Minneapolis 12 blk</td><td>538@179.00</td></tr> <tr><td>Linn 15 blk</td><td>501@174.00</td></tr> <tr><td>Linn 5 blk</td><td>427@171.00</td></tr> <tr><td>Oskaloosa 8 blk</td><td>520@170.00</td></tr> <tr><td>Summerfield 14 blk</td><td>495@168.00</td></tr> <tr><td>Tonganoxie 4 Cross</td><td>433@162.00</td></tr> <tr><td>St. George 4 blk</td><td>438@151.00</td></tr> <tr><td>Council Grove 4 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<tr><td>Alma 4 blk</td><td>720@149.00</td></tr> <tr><td>Allen 5 blk</td><td>687@149.00</td></tr> <tr><td>Silver Lake 8 blk</td><td>715@147.50</td></tr> <tr><td>Junction City 8 Heref</td><td>658@147.50</td></tr> <tr><td>Oskaloosa 11 blk</td><td>691@146.50</td></tr> <tr><td>Burns 77 blk</td><td>701@145.50</td></tr> <tr><td>Alma 11 Heref</td><td>725@143.00</td></tr> <tr><td>Oskaloosa 26 blk</td><td>770@140.00</td></tr> <tr><td>Marion 6 blk</td><td>777@139.00</td></tr> </table> | Baileyville 7 blk | 267@222.00 | Baileyville 25 blk | 302@219.00 | Baileyville 29 blk | 379@203.00 | Green 6 blk | 317@191.00 | Minneapolis 16 blk | 484@190.00 | Basehor 6 blk | 463@188.00 | Baileyville 28 blk | 463@183.50 | Summerfield 14 blk | 401@182.00 | Green 15 blk | 433@179.75 | Minneapolis 12 blk | 538@179.00 | Linn 15 blk | 501@174.00 | Linn 5 blk | 427@171.00 | Oskaloosa 8 blk | 520@170.00 | Summerfield 14 blk | 495@168.00 | Tonganoxie 4 Cross | 433@162.00 | St. George 4 blk | 438@151.00 | Council Grove 4 blk | 487@141.00 | Marion 85 blk | 559@187.75 | Marion 85 blk | 563@186.00 | McLouth 11 Ang | 582@180.00 | Washington 26 blk | 551@180.00 | Silver Lake 5 blk | 577@176.00 | Basehor 35 blk | 612@170.00 | Wamego 40 blk | 617@169.75 | Minneapolis 28 blk | 623@168.00 | Valley Falls 6 blk | 560@167.00 | Manhattan 5 blk | 621@166.00 | Summerfield 12 blk | 594@165.00 | Minneapolis 20 blk | 625@165.00 | Linn 37 blk | 632@157.00 | Soldier 4 blk | 623@156.00 | Marion 11 blk | 685@152.00 | Basehor 14 blk | 685@152.00 | Washington 12 blk | 704@150.00 | Alma 4 blk | 720@149.00 | Allen 5 blk | 687@149.00 | Silver Lake 8 blk | 715@147.50 | Junction City 8 Heref | 658@147.50 | Oskaloosa 11 blk | 691@146.50 | Burns 77 blk | 701@145.50 | Alma 11 Heref | 725@143.00 | Oskaloosa 26 blk | 770@140.00 | Marion 6 blk | 777@139.00 | <p>Junction City 31 Heref 775@139.00</p> <p>Tonganoxie 5 blk 643@134.00</p> <p>Burns 7 blk 867@124.50</p> <p>Junction City 5 Heref 878@123.75</p> <p>HEIFER CALVES — 275-550 LBS.</p> <table border="1"> <tr><td>Baileyville 5 blk</td><td>288@191.00</td></tr> <tr><td>Baileyville 5 Cross</td><td>295@189.00</td></tr> <tr><td>Baileyville 21 blk</td><td>308@187.00</td></tr> <tr><td>Baileyville 30 blk</td><td>372@182.00</td></tr> <tr><td>Baileyville 14 Cross</td><td>363@179.00</td></tr> <tr><td>Summerfield 10 blk</td><td>360@178.00</td></tr> <tr><td>Green 7 blk</td><td>304@173.00</td></tr> <tr><td>Baileyville 18 blk</td><td>444@169.50</td></tr> <tr><td>Emmett 4 blk</td><td>387@169.00</td></tr> <tr><td>Green 6 blk</td><td>388@168.00</td></tr> <tr><td>Green 9 Cross</td><td>445@166.50</td></tr> <tr><td>Green 5 Cross</td><td>379@165.00</td></tr> <tr><td>Green 13 blk</td><td>478@164.00</td></tr> <tr><td>Summerfield 10 blk</td><td>516@163.00</td></tr> <tr><td>Washington 16 blk</td><td>543@160.00</td></tr> <tr><td>Valley Falls 4 blk</td><td>451@158.00</td></tr> <tr><td>Summerfield 34 blk</td><td>435@155.25</td></tr> <tr><td>Tonganoxie 4 blk</td><td>546@149.00</td></tr> <tr><td>Council Grove 4 blk</td><td>411@148.00</td></tr> </table> <p>HEIFERS — 550-850 LBS.</p> <table border="1"> <tr><td>Westmoreland 4 blk</td><td>556@155.75</td></tr> <tr><td>Oskaloosa 5 blk</td><td>552@155.00</td></tr> <tr><td>Manhattan 4 blk</td><td>558@152.75</td></tr> <tr><td>Alma 4 blk</td><td>595@147.00</td></tr> <tr><td>Valley Falls 6 blk</td><td>595@145.00</td></tr> <tr><td>Allen 6 blk</td><td>610@143.00</td></tr> <tr><td>White City 10 blk</td><td>652@138.00</td></tr> <tr><td>Oskaloosa 16 blk</td><td>704@136.50</td></tr> <tr><td>Burns 7 blk</td><td>628@134.00</td></tr> <tr><td>Linn 5 blk</td><td>614@133.50</td></tr> <tr><td>Soldier 8 blk</td><td>645@131.00</td></tr> <tr><td>Oskaloosa 5 blk</td><td>659@130.00</td></tr> <tr><td>Americus 11 Heref</td><td>730@126.50</td></tr> <tr><td>Oskaloosa 5 blk</td><td>783@126.50</td></tr> <tr><td>Burns 15 blk</td><td>754@124.00</td></tr> <tr><td>Burns 6 blk</td><td>833@120.00</td></tr> </table> <p>COWS — 675-1,600 LBS</p> <table border="1"> <tr><td>Marysville 1 blk</td><td>685@121.00</td></tr> <tr><td>Alma 1 blk</td><td>815@100.00</td></tr> <tr><td>Alma 1 blk</td><td>980@94.00</td></tr> <tr><td>Alma 1 bwf</td><td>975@90.00</td></tr> <tr><td>Frankfort 1 blk</td><td>1100@84.00</td></tr> <tr><td>Manhattan 1 blk</td><td>1185@80.00</td></tr> <tr><td>Alma 1 blk</td><td>1185@67.00</td></tr> <tr><td>Manhattan 1 blk</td><td>1585@58.00</td></tr> </table> | Baileyville 5 blk | 288@191.00 | Baileyville 5 Cross | 295@189.00 | Baileyville 21 blk | 308@187.00 | Baileyville 30 blk | 372@182.00 | Baileyville 14 Cross | 363@179.00 | Summerfield 10 blk | 360@178.00 | Green 7 blk | 304@173.00 | Baileyville 18 blk | 444@169.50 | Emmett 4 blk | 387@169.00 | Green 6 blk | 388@168.00 | Green 9 Cross | 445@166.50 | Green 5 Cross | 379@165.00 | Green 13 blk | 478@164.00 | Summerfield 10 blk | 516@163.00 | Washington 16 blk | 543@160.00 | Valley Falls 4 blk | 451@158.00 | Summerfield 34 blk | 435@155.25 | Tonganoxie 4 blk | 546@149.00 | Council Grove 4 blk | 411@148.00 | Westmoreland 4 blk | 556@155.75 | Oskaloosa 5 blk | 552@155.00 | Manhattan 4 blk | 558@152.75 | Alma 4 blk | 595@147.00 | Valley Falls 6 blk | 595@145.00 | Allen 6 blk | 610@143.00 | White City 10 blk | 652@138.00 | Oskaloosa 16 blk | 704@136.50 | Burns 7 blk | 628@134.00 | Linn 5 blk | 614@133.50 | Soldier 8 blk | 645@131.00 | Oskaloosa 5 blk | 659@130.00 | Americus 11 Heref | 730@126.50 | Oskaloosa 5 blk | 783@126.50 | Burns 15 blk | 754@124.00 | Burns 6 blk | 833@120.00 | Marysville 1 blk | 685@121.00 | Alma 1 blk | 815@100.00 | Alma 1 blk | 980@94.00 | Alma 1 bwf | 975@90.00 | Frankfort 1 blk | 1100@84.00 | Manhattan 1 blk | 1185@80.00 | Alma 1 blk | 1185@67.00 | Manhattan 1 blk | 1585@58.00 | <p>Alma 1 blk 1105@55.00</p> <p>Emmett 1 blk 1525@52.00</p> <p>Manhattan 1 blk 1395@51.00</p> <p>Waterville 1 bwf 1185@50.00</p> <p>Alma 1 bwf 1365@50.00</p> <p>Manhattan 1 blk 1220@49.50</p> <p>Manhattan 1 Hols 1385@48.50</p> <p>Green 1 Cross 1255@45.00</p> <p>BULLS — 1,625-2,100 LBS.</p> <table border="1"> <tr><td>Alma 1 Cross</td><td>1645@83.50</td></tr> <tr><td>Alta Vista 1 blk</td><td>1895@82.50</td></tr> <tr><td>Strong City 1 Cross</td><td>1720@76.00</td></tr> <tr><td>Frankfort 1 blk</td><td>2100@69.00</td></tr> </table> <p>BABY CALVES</p> <table border="1"> <tr><td>Manhattan 2 blk</td><td>@350.00</td></tr> <tr><td>Frankfort 1 blk</td><td>@325.00</td></tr> <tr><td>Manhattan 1 blk</td><td>@300.00</td></tr> <tr><td>Wilsey 1 Cross</td><td>@285.00</td></tr> <tr><td>Baileyville 1</td><td>@275.00</td></tr> <tr><td>Baileyville 3 blk</td><td>@275.00</td></tr> </table> <p>1ST CALF HEIFER PAIRS</p> <table border="1"> <thead> <tr> <th>AGE</th> <th>Date</th> <th>Degree Days</th> </tr> </thead> <tbody> <tr><td>2</td><td>2/28</td><td>0</td></tr> <tr><td>2</td><td>2/29</td><td>0</td></tr> <tr><td>2</td><td>3/1</td><td>3</td></tr> <tr><td>2</td><td>3/2</td><td>0</td></tr> </tbody> </table> | Alma 1 Cross | 1645@83.50 | Alta Vista 1 blk | 1895@82.50 | Strong City 1 Cross | 1720@76.00 | Frankfort 1 blk | 2100@69.00 | Manhattan 2 blk | @350.00 | Frankfort 1 blk | @325.00 | Manhattan 1 blk | @300.00 | Wilsey 1 Cross | @285.00 | Baileyville 1 | @275.00 | Baileyville 3 blk | @275.00 | AGE | Date | Degree Days | 2 | 2/28 | 0 | 2 | 2/29 | 0 | 2 | 3/1 | 3 | 2 | 3/2 | 0 |
|---|-------------------|-------------|--------------------|------------|--------------------|------------|-------------|------------|--------------------|------------|---------------|------------|--------------------|------------|--------------------|------------|--------------|------------|--------------------|------------|-------------|------------|------------|------------|-----------------|------------|--------------------|------------|--------------------|------------|------------------|------------|---------------------|------------|---------------|------------|---------------|------------|----------------|------------|-------------------|------------|-------------------|------------|----------------|------------|---------------|------------|--------------------|------------|--------------------|------------|-----------------|------------|--------------------|------------|--------------------|------------|-------------|------------|---------------|------------|---------------|------------|----------------|------------|-------------------|------------|------------|------------|-------------|------------|-------------------|------------|-----------------------|------------|------------------|------------|--------------|------------|---------------|------------|------------------|------------|--------------|------------|---|-------------------|------------|---------------------|------------|--------------------|------------|--------------------|------------|----------------------|------------|--------------------|------------|-------------|------------|--------------------|------------|--------------|------------|-------------|------------|---------------|------------|---------------|------------|--------------|------------|--------------------|------------|-------------------|------------|--------------------|------------|--------------------|------------|------------------|------------|---------------------|------------|--------------------|------------|-----------------|------------|-----------------|------------|------------|------------|--------------------|------------|-------------|------------|-------------------|------------|------------------|------------|-------------|------------|------------|------------|---------------|------------|-----------------|------------|-------------------|------------|-----------------|------------|--------------|------------|-------------|------------|------------------|------------|------------|------------|------------|-----------|------------|-----------|-----------------|------------|-----------------|------------|------------|------------|-----------------|------------|---|--------------|------------|------------------|------------|---------------------|------------|-----------------|------------|-----------------|---------|-----------------|---------|-----------------|---------|----------------|---------|---------------|---------|-------------------|---------|-----|------|-------------|---|------|---|---|------|---|---|-----|---|---|-----|---|
| Baileyville 7 blk | 267@222.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 25 blk | 302@219.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 29 blk | 379@203.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green 6 blk | 317@191.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minneapolis 16 blk | 484@190.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basehor 6 blk | 463@188.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 28 blk | 463@183.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summerfield 14 blk | 401@182.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green 15 blk | 433@179.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minneapolis 12 blk | 538@179.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Linn 15 blk | 501@174.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Linn 5 blk | 427@171.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oskaloosa 8 blk | 520@170.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summerfield 14 blk | 495@168.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tonganoxie 4 Cross | 433@162.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| St. George 4 blk | 438@151.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Council Grove 4 blk | 487@141.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marion 85 blk | 559@187.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marion 85 blk | 563@186.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| McLouth 11 Ang | 582@180.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Washington 26 blk | 551@180.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Silver Lake 5 blk | 577@176.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basehor 35 blk | 612@170.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wamego 40 blk | 617@169.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minneapolis 28 blk | 623@168.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valley Falls 6 blk | 560@167.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manhattan 5 blk | 621@166.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summerfield 12 blk | 594@165.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Linn 37 blk | 632@157.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soldier 4 blk | 623@156.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marion 11 blk | 685@152.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Basehor 14 blk | 685@152.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Washington 12 blk | 704@150.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma 4 blk | 720@149.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Allen 5 blk | 687@149.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Silver Lake 8 blk | 715@147.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Junction City 8 Heref | 658@147.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oskaloosa 11 blk | 691@146.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Burns 77 blk | 701@145.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma 11 Heref | 725@143.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oskaloosa 26 blk | 770@140.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marion 6 blk | 777@139.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 5 blk | 288@191.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 5 Cross | 295@189.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 21 blk | 308@187.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 30 blk | 372@182.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 14 Cross | 363@179.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summerfield 10 blk | 360@178.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green 7 blk | 304@173.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 18 blk | 444@169.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Emmett 4 blk | 387@169.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green 6 blk | 388@168.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green 9 Cross | 445@166.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green 5 Cross | 379@165.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green 13 blk | 478@164.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summerfield 10 blk | 516@163.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Washington 16 blk | 543@160.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valley Falls 4 blk | 451@158.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Summerfield 34 blk | 435@155.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tonganoxie 4 blk | 546@149.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Council Grove 4 blk | 411@148.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Westmoreland 4 blk | 556@155.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oskaloosa 5 blk | 552@155.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manhattan 4 blk | 558@152.75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma 4 blk | 595@147.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Valley Falls 6 blk | 595@145.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Allen 6 blk | 610@143.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White City 10 blk | 652@138.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oskaloosa 16 blk | 704@136.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Burns 7 blk | 628@134.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Linn 5 blk | 614@133.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Soldier 8 blk | 645@131.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oskaloosa 5 blk | 659@130.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Americus 11 Heref | 730@126.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oskaloosa 5 blk | 783@126.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Burns 15 blk | 754@124.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Burns 6 blk | 833@120.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Marysville 1 blk | 685@121.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma 1 blk | 815@100.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma 1 blk | 980@94.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma 1 bwf | 975@90.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frankfort 1 blk | 1100@84.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manhattan 1 blk | 1185@80.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma 1 blk | 1185@67.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manhattan 1 blk | 1585@58.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alma 1 Cross | 1645@83.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alta Vista 1 blk | 1895@82.50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Strong City 1 Cross | 1720@76.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frankfort 1 blk | 2100@69.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manhattan 2 blk | @350.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frankfort 1 blk | @325.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manhattan 1 blk | @300.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wilsey 1 Cross | @285.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 1 | @275.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Baileyville 3 blk | @275.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AGE | Date | Degree Days | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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EARLY CONSIGNMENTS FOR MAR. 13

- 25 blk str & hfrs, 2 rds shots, long weaned, 700-800 lbs.
- 70 choice reputation Red Angus & Red Angus cross str & hfrs, Bovishield Gold, Vision 7, no implants, no crete feed. 400-450 lbs.
- 14 Angus str & hfrs, 1 rd shots, weaned 3 weeks, 450-550 lbs.
- 80 choice reputation blk & bwf hfrs long weaned, all shots, grass condition. 575-600 lbs.

SELLING AT 11:30 A.M.
16 Angus OCV 1st calf hfrs w/ 3 weeks AI sired calves by side, Scourguard/Dectomax.

EARLY CONSIGNMENTS FOR MAR. 20

- 107 choice blk & bwf str & hfrs, long weaned, all shots, 750-850 lbs.

SPECIAL STOCK COW AND BRED HEIFER SALE

WED., MAR. 18 • STARTING 11:00 AM

REPLACEMENT HEIFERS

- 7 registered Angus replacement hfrs ready to breed this Spring.
- 8 registered Angus replacement OCV hfrs, pre breeding shots, 700-800 lbs.

1st CALF HEIFER PAIRS

- 15 gentle blk 1st calf OCV hfrs w/ 30-60 ay blk calves by side, worked, all shots.
- 15 Fancy South Dakota origin Red Angus 1st calf OCV hfrs, all shots, w/ 30-60 day Red Angus calves by side. Worked, all shots.
- 19 Fancy blk 1st calf OCV hfrs w/ Blythe Objective, RHR Dark Knight & Redemption Jan.-Feb. calves by side.
- 30 Fancy Angus cross OCV 1st calf hfrs w/ 30-45 day Conneally Comrade AI sired calves by side. Hfrs 2 rds Scourguard, poured Dectomax. Calves Enforce 1 shots, Ultra 7, Bovishield Gold 5, tetanus, Dectomax, banded.
- 48 big fancy home raised Fall calving blk bwf SimmAngus OCV 1st calf hfrs w/ Sept.-Oct. Moser genetic SimmAngus sired calves by side. Hfrs bred to Moser SimmAngus bull since Dec. 1, hfrs & calves all worked.
- 16 big fancy Angus 1st calf hfrs w/ 6 week old Angus sired calves by side.
- 5 gentle blk bwf 1st calf OCV hfrs w/ 30-60 day calves by side, all shots/worked.
- 8 Angus 1st calf OCV hfrs w/ sons of Comrade Fall calves by side, bred back Gardner Angus bulls for Aug.-Sept. calving.
- 2 Angus 1st calf hfrs w/ Spring sons of Comrade calves by side.
- 4 Red Angus 1st calf hfrs w/ 30-45 day AI sired Red Angus calves by side. Hfrs & calves all worked.
- 7 big fancy Simm Angus blk Fall calving 1st calf hfrs w/ big Sept. Simm Angus calves by side. Hfrs bred back SimmAngus bull since late Nov.

PAIRS

- 5 registered Angus cows, 7-10 yrs, w/ Angus calves by side.
- 17 blk Angus (14) bwf (1) & Red Angus (2) cows, 7+ yrs, w/ Dec. & Jan. calves by side. Cows worked Feb. 21, Bovishield Gold FP5 + VL5, Dectomax injectable, Cyence pour on, blackleg.
- 10 blk bwf cows 4-6 yrs w/ 30 day Angus sired calves by side.
- 10 older blk cows w/ 30-45 day calves by side.

BULLS

- 2 Heref bulls, 18 mos. & 2 yrs.

CLINE CATTLE CO WILL BE OFFERING:

12 Big stout Angus & Simm Angus Fall bulls (18 mo), sires represented - Sitz Wisdom 481T, SAV President, Barrett Super Duty & Connealy Onward. Also 15 home raised gentle OCV Angus replacement hfrs, 700-725 lbs.

GIVE US A CALL TO CONSIGN CATTLE FOR THIS SPECIAL SALE!

Upcoming Special Stock Cow & Bred Heifer Sale Dates • Wednesdays starting at 11:00 AM
2020: March 18 • April 15 • May 6

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

FIELD REPRESENTATIVES

| | | | | |
|---|--|---|---|---|
| JOHN CLINE ONAGA 785-889-4775 Cell: 785-532-8381 | BRENT MILLER ALMA 785-765-3467 Cell: 785-587-7824 | MERVIN SEXTON MANHATTAN Cell: 785-770-2622 | TOM TAUL MANHATTAN 785-537-0036 Cell: 785-556-1422 | BRYCE HECK LINN 785-348-5448 Cell: 785-447-0546 |
| SAM GRIFFIN BURNS 620-726-5877 Cell: 620-382-7502 | ALAN HUBBARD OLSBURG 785-468-3552 Cell: 785-410-5011 | BILL RAINE MAPLE HILL 785-256-4439 Cell: 785-633-4610 | JEFF BROOKS BEATTIE 785-353-2263 Cell: 785-562-6807 | DAN COATES BALDWIN 785-418-4524 |
| | | | | ANDREW SYLVESTER WAMEGO 785-456-4352 |

Grass & Grain Community Obituary

Nancy M. Griffin 1953-2020



CEDAR POINT — Nancy M. Griffin, 67, died February 25, 2020, at her home. She was born February 23, 1953, in Wichita, to David and Hazel (Walker) Mercer. Nancy graduated from Chase County High School in 1971, attended Kansas State University and graduated from Emporia State University in 1975.

Nancy grew up in the Homestead area and loved living in the Flint Hills and Chase County. Her strong faith was important to her and she was a very active member of Cottonwood Falls United Methodist Church and United Methodist Women.

Nancy was a member of P.E.O. Chapter BZ, Chase County Chamber of Commerce, and was a former School Board member.

She loved gardening, springtime when the flowers would start blooming, reading, and most of all spending time with her grandchildren.

Nancy bought Virgaline's Clothing Store and changed the name to The Warehouse and operated the store with her mother-in-law, Doris Griffin, until it closed. She was co-owner and operator and Associate Broker of Griffin Real Estate and Auction Service and co-owner of Pioneer Ranch LC.

On December 31, 1972, she married Rick Griffin in Cottonwood Falls. They shared 47 years of marriage.

Nancy is survived by: husband, Rick, of the home; daughter, Marcy Good and husband Matt of Olathe; son, David Griffin and wife Amber of Burns; grandchildren, Andy Good, Abby Good, Brock Griffin, Wyatt Griffin, Hannah Griffin; siblings, Marilyn Rowley of Valley Center, Jim Mercer of Kansas City, MO; and a host of beloved in-laws, nieces and nephews.

She was preceded in death by her parents and brothers, Larry and Paul Mercer.

Funeral services were held Saturday, February 29, 2020, at Cottonwood Falls United Methodist Church with Reverend Tim Woods officiating. Memorial donations may be made to Cottonwood United Methodist Church or Hand in Hand Hospice, in care of Brown-Bennett-Alexander Funeral Home, PO Box 220, Cottonwood Falls, KS 66845.

Kansas Hay Market Report

Hay market trade remains slow to moderate; alfalfa prices remain steady. Producers reported alfalfa hay movement has slowed for the third straight week in the southwest region while it has picked up a bit in the south-central region. Recent precipitation has effectively erased the areas of abnormal dryness and moderate drought in the south-central part of the state and helped improve the drought conditions in western Kansas. The U.S. Drought Monitor indicated that abnormal dryness (D0) decreased to 8 pct, moderate drought (D1) remained at 4 pct, and severe drought (D2) decreased to 2 pct. The K-State University's Land Use Survey Center could use your help with the 2020 Kansas Custom Rates Survey. Your input is crucial information for Kansas agricultural producers and agribusiness owners. The Land Use Survey Center is collecting data from folks like you about the costs of custom work, feed preparation, machinery rental, and livestock hauling. Completion of the survey should take less than 15 minutes and can be found at <https://agriculture.ks.gov/about-kda/kansas-agricultural-statistics>. Response to this survey is voluntary, and your response will be kept confidential. Respondents who provide their email will be entered to win their registration to the 2020 Risk and Profit Conference. If you have any extra hay to sell and/or need hay here in Kansas, use the services of the Internet Hay Exchange: www.hayexchange.com/ks.php.

Southwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, steady; movement slow to moderate. Alfalfa: horse, premium small squares 230.00-240.00. Dairy 1.00-1.05/point RFV, Supreme 185.00-226.00, Premium 170.00-195.00, Good 150.00-170.00. Stock or Dry Cow 160.00-165.00. Fair/Good grinding alfalfa, 100.00-115.00, new crop grinder hay contracted at 120.00-130.00 delivered. Ground and delivered locally to feed lots and dairies, 150.00-160.00. Grass Hay: Bluestem, good small squares 7.50-8.50/bale, large squares 100.00-110.00. Sudan: large rounds 55.00-65.00. Triticale: large rounds 95.00-100.00. Wheat straw: large rounds 40.00-50.00, large squares 65.00-75.00 delivered. The week of 2/23-2/29, 9,245T of grinding alfalfa and 2,266T of dairy alfalfa was reported bought/sold.

South Central Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, alfalfa pellets steady; movement slow to moderate. Alfalfa: horse, small squares 255.00-275.00. Dairy, 1.00-1.05/point RFV, Supreme 185.00-225.00, Premium 170.00-195.00.

Good 150.00-178.00. Stock cow, 130.00-150.00. Fair/Good grinding alfalfa, 90.00-105.00. Ground and delivered locally to feedlots 135.00-145.00; Alfalfa pellets: Sun cured 15 pct protein 200.00-205.00, 17 pct protein 205.00-210.00, Dehydrated 17 pct 300.00-310.00. Grass Hay: Bluestem, good small squares 7.00-8.00/bale, large rounds 60.00-70.00, large squares 75.00-85.00. Brome, small squares 7.00-8.00/bale, large rounds 100.00-110.00, lesser quality 70.00-80.00. Sudan: large rounds 55.00-65.00. Wheat Straw: large squares 65.00-75.00, large rounds 55.00-65.00. The week of 2/23-2/29, 5,987T of grinding alfalfa and 75T of dairy alfalfa was reported bought/sold.

Southeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady; movement slow to moderate. Alfalfa: horse or goat, 230.00-250.00. Dairy 1.00-1.05/point RFV. Stock cow 155.00-165.00. Fair/Good grinding alfalfa, 115.00-125.00. Ground and delivered, none reported; Grass hay: Bluestem, small squares 125.00-140.00, good, mid squares 110.00-125.00, large squares, 95.00-110.00, large rounds 60.00-65.00. Brome, good, small squares 125.00-150.00, mid to large squares 120.00-130.00, large rounds 70.00-80.00. Wheat Straw: mid and large squares 60.00-75.00, large rounds 55.00-65.00. The week of 2/23-2/29, 1,880T of grass hay was reported bought/sold.

Northwest Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered steady; movement slow. Alfalfa: Horse or goat, 205.00-215.00. Dairy, Premium/Supreme 1.00-1.05/point RFV. Stock cow, fair/good 150.00-160.00. Fair/good grinding alfalfa, 100.00-110.00. Ground and delivered locally to feedlots and dairies, 125.00-135.00. Sudan, large rounds 60.00-70.00.

North Central-Northeast Kansas

Dairy alfalfa, grinding alfalfa, ground/delivered, grass hay steady movement slow. Alfalfa: horse, premium small squares 9.50-10.50/bale. Dairy 1.00-1.05/point RFV, Supreme 185.00-225.00, Premium 170.00-195.00, Good 150.00-170.00. Stock Cow, 150.00-160.00. Fair/good, grinding alfalfa, 100.00-110.00. Ground and delivered 130.00-140.00. Grass hay: Bluestem, small squares 6.00-7.00/bale, mid squares 90.00-100.00, large squares 85.00-100.00, large rounds 70.00-80.00. Brome, small squares 7.00-8.00/bale, large squares 105.00-120.00, large rounds 75.00-85.00; Sudan, large rounds 55.00-65.00. Wheat Straw: small squares 5.00-6.00/bale delivered, large squares 100.00-110.00 delivered, large rounds 60.00-70.00. The week of 2/23-2/29, 1,001T of grinding alfalfa and 225T of dairy alfalfa was reported bought/sold.

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

*CWF Certified Weed Free

*RFV calculated using the Wis/Minn formula.

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

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

Program announcement: 2020 Dicamba training and discussion on tile drainage

On Thursday, March 19, 2020 from 10 a.m. to 2 p.m., K-State Research and Extension Wildcat District will host 2020 Dicamba Training and Discussion on Tile Drainage at the KSU Southeast Research and Extension Center in Parsons.

They will start the program at 10 a.m. to complete an in-person training to certify applicators to use the herbicides Xtendimax®, FeXapan®, and Engenia™ on Dicamba ready soybeans. After lunch, they will continue the program looking into tile drainage with a panel of local knowledgeable producers.

Please join them on March 19 from 10 a.m. to 2 p.m. at the KSU Southeast Research and Extension Center in Parsons (25092 Ness Rd). This is a free program and lunch is provided. Please call K-State Research and Extension Wildcat District Girard office at 620-724-8233 to register for the training.

This program is graciously sponsored by: Heritage Tractor, R&F Farm Supply, Thomas Implement, and PrairieLand Partners.

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

LAND AUCTION

57 Acre +/- Saline Co. Farm on Spring Creek
Where: Holiday Inn, 3145 S. 9th St.,
Salina, KS, March 31, 2020 7:00PM

Legal Description: W/2 NE/4 & E/2 NW/4
of Section 13-14-4, Saline County,
lying South of the centerline of Spring Creek

Located: Just 4 miles West of Salina at
Lightville Rd. and Carmony Rd., then west 1/4
mile via ingress/egress easement

37 Tillable Ac+/- with bal in timber/Spring Creek
22.29 Base Acres: Wheat 9.85 - Soybeans 4.27
Sunflowers 1.81 - Sorghum 6.36

Taxes: \$ 496.96 on 56.46 taxable acres
Terms: Successful bidder will put 10% down and
sign purchase contract night of sale. Closing cost
split 50/50. Sale is NOT contingent to financing.

Possession: Immediately following 2020 wheat
harvest, or Aug 1, 2020 whichever occurs first.
Excellent farm with great hunting close to town!

For complete info call or visit the website.
HFR is Seller's agent

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AUCTION SUNDAY, MARCH 15, 2020 — 12:00 NOON

2008 ARTHUR DRIVE — MANHATTAN, KANSAS

Kenmore side by side refrigerator/freezer with water & ice dispenser; Whirlpool automatic washer & dryer; Amana refrigerator; 15 cu. ft. upright deep freezer; Wurlitzer spinet piano & bench (very nice); 4pc bedroom suite; vintage Drexel dining table, leaves & 6 chairs; small sleeper sofa; 3-5pc Ice Cream parlor sets; 3 large ice cream signs; reclining loveseat; rocker recliner; Sharp Aquos TV; full bed with bookcase headboard; purple office chair; office desk; oval library table; springs & mattress; 4 kitchen chairs; rocker; white wicker stand; 2 4-drawer pine chests; RCA stereo & stand; glass top table & chairs; 2 magazine rack/end tables; gray/chrome table; 50's console stereo; metal shelving; stand; 2-door TV stand; coffee table; end table; floor lamps; metal utility cart; clothes hamper; Sharp microwave; near new set of Calphalon waterless cookware. Large set of Iroquois china; Oriental glassware; Anniversary clock; Cuisinart grinder; hand mixer; grill; DVD player/video cassette recorder; Corningware; Vison ware; Pfaltzgraf bowl; 38pcs Avon Cape Cod dishes; 4pcs red coin glass; clear coin glass; glass baking dishes; porcelain bread box; stemware; Christmas bread pans; Christmas molds; red fairy lamp; lots of Avon; jewelry boxes; costume & Avon jewelry; Many Avon steins; gold leaf

pitcher; Fenton sleight & Santa; newer Carnival compote; newer Oak wall phone; radios; grills; 2 cash registers; trays; silverware; glassware; stainless bowls; apple canister set; marble cheese board; dish towels; kitchen utensils; rolling pin; bowls; teapots; glasses; punch bowl; Tupperware; Digital photo frame; lots books; paper shredder; Dirt Devil; Shark & other vacuums; 5 new Christmas rugs; bird clock; seed pictures; small corner shelf; 32 tablecloths (all occasions); chair cushions; runners; towels; bedding; small picture; American & KSU flags; KSU clock; area rugs; 2005 World Series Champion Royals flag; Basketball & Baseball games; old KSU Willie blanket; table top weaving loom; Collector plates; butterfly figurine; old stone pipe top hat; Precious Moment; Wedding dress & other clothes; luggage; Baseball picture; Thomas Kinkadee prints; napkins; placemats; many throw rugs; pink Shawnee vase; coolers; coffee pots; vases; electric heaters; baby basket.

TOYS
Buddy L. Texaco tanker truck; Western Auto semi-truck; Struc-to Farm stake truck, 2-wheel trailer, horse trailer & Jeep; tin Mustang; various dolls including Shirley Temple; doll & baby patterns; Phillips 66 truck bank; Babe Ruth card set; air hockey table; many vintage board games; sleds; Nishiki bike;

Denny Matthews bobble head; Royals & K-State collectibles.
CHRISTMAS & HOLIDAY DECORATIONS
(If you like to decorate, don't miss this Auction - Hundreds of decorations!): large Christmas bell ornament; Christmas Village pieces; Santa touch lamp; Reindeer teapot; 25 Hallmark ornaments; Christmas Ferris Wheel; tree skirts; Santa Face; 50" twinkling Angel; Christmas carousels; Crystal Christmas trees; large snowman statue; Snow Villages; wreaths; 20 Holiday pillows; Hallmark Peanuts Cartoon plush décor; watches; Christmas & other water globes; Christmas plates & glasses; Christmas clocks; snowmen; Christmas trees; Easter decorations; 4th of July decorations; Halloween; Kinkadee water fountain; wooden blocks; train set; doll furniture & dishes; Child's refrigerator, stove & sink; large stuffed Snoopy; over 100 puzzles; children's books; Fisher-Price; carom board; Red Coleman lantern; Coleman quick pack lantern; fan-on-stand & others; picnic basket; stairway basket; exercise trampoline; baskets; record player; records-Cher, Herman Hermits & many more; shovels; garden tools; basketball goals; golf clubs; toy chest; Shepherd hooks; flower pots; leaf vac; exercise bike; lawn chairs; footlocker; trunk; pet carrier; **MUCH MUCH MORE!**

NOTE: Very nice clean Auction. This is a partial list!

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by Deb Goodrich

AROUND KANSAS

Many of you are regular viewers of *Around Kansas* (and let us know!). I would invite others to email or message me on Facebook to let me know what you like and what you would like to see. Tell me about the events going on in your community and the projects you have undertaken. Also, if you are interested in becoming a sponsor of *Around Kansas* or any and all of the *AGam* shows, let me know. No one works harder for you (though the folks at *Grass and Grain* work equally hard!).

We are busy at the Fort Wallace Museum preparing for the "Harvesting the Plains" Symposium and Captain Keogh's Emerald Banquet on March 14. Our friends Mark Berry, Kirk Shapland, Sharon Houston, Michelle Martin, and

Henry Crawford are the presenters for our symposium. The variety of these presentations will simply blow you away. Likewise, the exhibits will be outstanding for this day's events. Highlights of Captain Keogh's Emerald Banquet and Auction will be a murder mystery written by our friend, Marla Matkin. Contact me or call the museum for more information.

'Tis the season for business and lots of events are coming up. I cannot tell you how wonderful it was to be in Lecompton as a presenter in the annual Bleeding Kansas Lecture Series. Make Lecompton a stop on your travels this spring and tell them Deb sent you!

My travels recently have taken me to Wichita,

Greensburg, Mullinville, and Lakin, in addition to the normal haunts. I try to take the time to ride around town and see the community when I visit, not just fill up at the gas station and go on. I try to spend a little money - at the local restaurant or antique store, the museum gift shop. I always buy the local newspaper and my favorite columns are the socials or the "100 Years Ago." I love discovering what is unique and interesting Around Kansas.

And if I happen to miss it, please let me know.

Deb Goodrich is the host of the *Around Kansas* TV show and the *Garvey Texas Foundation Historian in Residence at the Fort Wallace Museum. She chairs the Santa Fe Trail 200 in 2021. Contact her at author.debgoodrich@gmail.com.*

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USDA steps up lab capabilities to test for African Swine Fever

USDA's Animal and Plant Health Inspection Service (APHIS) continues to ramp up its efforts to protect the U.S. swine industry from African swine fever (ASF).

Greg Ibach, USDA Undersecretary for Marketing and Regulatory Programs, told the National Association of State Directors of Agriculture that one priority has been on increasing diagnostic laboratory capability.

"Many of you that have strong swine industries in your state hear, probably almost on a weekly, if not daily basis, from those swine producers worried about what happens if African swine fever shows up in the United States,"

Ibach said in a recent USDA radio interview.

Last May, USDA began implementing a surveillance plan to boost its ASF preparedness efforts. As part of this plan, APHIS began working with the swine industry, the states and veterinary diagnostic laboratories to test for ASF.

"(We're) trying to make diagnostic capabilities more available and match up with the species of livestock that were predominant in your state," Ibach said.

There are 46 laboratories across the country that can now test for ASF. That capacity allows APHIS to test over 40,000 different samples a day.

The increased testing capacity is one more step forward to protect the U.S. swine industry from this devastating disease that continues to impact parts of Asia and Europe.



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| Herington, 1 blk | 960@65.00 | Council Grove, 2 rwf635 | @122.00 | Hope, 7 blk | 852@128.00 |
| Hope, 1 blk | 1335@64.50 | Herington, 1 blk | 1915@60.00 | Lincolnvill, 60 mix | 921@127.00 |
| White City, 1 bmf | 1125@63.00 | STEERS | | | |
| Hope, 1 bwf | 1180@60.50 | Council Grove, 3 rwf485 | @151.00 | Hope, 4 blk | 608@133.00 |
| Hope, 1 red | 1560@58.00 | Gypsum, 5 blk | 701@145.50 | Florence, 7 blk | 666@127.00 |
| White City, 1 rmf | 1645@57.50 | Hope, 2 blk | 683@139.00 | Wilsey, 29 blk | 681@125.00 |
| Herington, 1 blk | 1395@57.00 | Council Grove, 3 rwf612 | @135.00 | Hope, 3 blk | 707@123.00 |
| Hope, 1 bmf | 1675@56.50 | Gypsum, 13 blk | 827@132.00 | Hope, 65 blk | 846@116.85 |
| | | | | Florence, 7 mix | 817@115.00 |

EARLY CONSIGNMENTS FOR MARCH 11

- 65 blk str Home Raised, LTW, Shots 875-900#
- 120 blk/Red str Home Raised, LTW, Shots 850#
- 65 blk/CharX hfrs Home Raised, LTW, shots, 850#
- 52 blk/CharX str Home Raised, LTW, Shots 825#
- 120 mostly blk str 875-900#
- 30 blk str/hfrs Home Raised, LW, Shots 550-750#
- 60 mostly blk str 900#
- 30 blk/Red hfrs Home Raised, LTW, Shots 750#

MORE CATTLE BY SALE TIME

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FOR SALE: N7 GLEANER 1984 - runs, needs some things. Good engine. Located in the Concordia area. Call 785-614-0905

Livestock Field Day to be held in north central Kansas

Make plans to attend the second annual Stock Growers Field Day on Tuesday, March 31st, 2020. The event will be highlighted by beef reproduction economics and a market outlook along with an AI demonstration from industry and K-State Research and Extension experts in their field! The Field Day, held in Beloit, is a collaboration with K-State Research and Extension and the Kansas Bull Test.

K-State Research and Extension agents believe this will give producers a better chance to not only hear from industry leaders, but to also take part in conversation with one another. The Field Day is an effort to bring industry and K-State Research and Extension experts to north central Kansas, realizing that often times events of this caliber are held in larger places like Manhattan, Wichita, or Dodge City.

In addition to the speakers, the program will offer breakout sessions where attendees can pick and choose which topics apply to them. Topics include a producer panel on providing a consumer-driven value-added product, a session on livestock watering considerations for the upcoming grazing season and more. More than thirty agricultural businesses will be on hand in the trade show and bulls from Kansas Bull Test will be available for viewing throughout the afternoon.

Cost to attend the meeting is \$10 which includes a noon meal and a copy of the Field Day proceedings. This event has been generously sponsored by Merck Animal Health, Anipro/Xtraformance Feeds, and the Guaranty State Bank – along with other agricultural sponsors. Contact any offices of the Cottonwood, Post Rock, River Valley, or Walnut Creek Extension Districts of K-State Research and Extension.

Reserve your spot today! Registrations can be mailed to Post Rock Extension District, Beloit Office, 115 S. Hersey, Beloit, KS 67420 or online at www.postrock.ksu.edu. Please be sure to write "Stock Growers Field Day - Registration" in the memo line of your check. Hope to see you there!

CFTC, K-State announce agenda for AgCon2020

The Commodity Futures Trading Commission and Kansas State University (K-State) announced the agenda for the third annual Agricultural Commodity Futures Conference (AgCon2020). The conference, presented in conjunction with K-State's Center for Risk Management Education and Research, is scheduled for April 1-2 in Overland Park. The full conference agenda can be found HERE. Registration for AgCon2020 is available online.

The conference brings together leading voices from academia, agribusiness, as well as the private and public sectors to explore a range of current issues and topics facing the agricultural futures markets.

"America's farmers and ranchers are at the heart of our real economy and the futures markets the CFTC regulates," said CFTC chairman Heath P. Tarbert. "As I've often said, if these markets aren't working for American agriculture, then in my view, they're not working at all. That's why bringing together experts, regulators, and market participants to discuss the issues facing our futures markets helps foster a stronger marketplace. I look forward to joining this important gathering in America's heartland."

"Kansas State University is proud to continue our valued partnership with the CFTC in offering the 2020 Agricultural Commodity Futures Conference," said K-State president Richard B. Myers. "By bringing together thought leaders in industry, government, and academia to engage in candid discussion, this conference helps to enhance derivative instruments so vital for managing risk in our volatile agricultural markets."

Highlights this year include keynote from two well-regarded experts in international markets and policy:

- Professor Raj Bhala is the inaugural Leo S. Brenneisen Distinguished Professor at the University of Kansas School of Law. He was a delegate at the Federal Reserve Bank of New York, where he twice won the President's Award for Excellence for his service as a delegate to the United Nations Conference on International Trade Law.
- Daniel Wagner is the founder and CEO of Country Risk Solutions, a risk management firm that specializes in managing cross-border risk. He has authored several articles and books about risk management and current affairs.

LAND AUCTION
320Acre +/- Tillable and Pasture N. of Ada, KS
Where: The Golden Wheel, 114 S. Concord, Minneapolis, KS, April 9, 2020 7:00PM

Tract 1: NE/4 of Section 16-10-5 OT, Co, less tract
Located: Just 2 miles N. of Ada at 30th Rd. and Prairie Rd.
 149 Tillable Ac +/- with 50 Ac in alfalfa
146.34 Base Acres: Wheat 73.17 Soybeans 73.17
Taxes: \$3,004.86 on 152.9 taxable acres

Tract 2: E/2SW/4 & W/2SE/4 Sec 3-10-5 OT, Co
Located: Just 3.5 miles N. of Ada on 30th Rd & 1/4 mile East on Quartz Rd.
 72 Tillable Ac +/-, 6 Ac in ww, 81 Ac +/- pasture
76.16 Base Acres: Wheat 38.08 Soybeans 38.08
Taxes: \$1,661.00 on 160.3 taxable acres
Terms: Successful bidder will put 10% down and sign purchase contract night of sale. Closing cost split 50/50. Sale is NOT contingent to financing.
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| 700-800# | \$137.00-\$125.25 |
| 800-900# | \$133.25-\$125.75 |
| 900-1,000# | \$125.75-\$116.00 |

HEIFERS

| | |
|----------|-------------------|
| 300-400# | \$153.00-\$141.00 |
| 400-500# | \$162.00-\$141.00 |
| 500-600# | \$155.00-\$139.50 |
| 600-700# | \$141.50-\$130.00 |
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|--|--|---|--|---|---|

Market Report for 3-5-2020.
1,151 HEAD SOLD

HFRETTES:
 1290#-750# \$105.00-\$72.00

COWS-HIGH YIELDING
 1945#-998# \$111.00-\$63.00

COWS-LGT WT & LOW YIELDING
 1615#-940# \$62.00-\$41.00

BULLS:
 2025#-1890# \$85.00-\$67.00

2-DAY K-14 DRAFT HORSE, CARRIAGE, ANTIQUES & FARM PRIMITIVE AUCTION
FRIDAY, MARCH 20 & SATURDAY, MARCH 21 — 9:00 AM BOTH DAYS
LOCATION: K-14 Auction Center, 10919 S. K-14 Hwy — HUTCHINSON, KS 67501
 From South Hutchinson go south on Hwy 14, 6 miles to location, or from Kingman Ks go east 8 miles to Hwy 14, then north 18 miles to location.
Now taking consignments for Draft & Carriage Horses; Riding Horses, Ponies & Mules; Carriages; Wagons; Buggies; Horse Drawn Equipment; Tack, Hay & Straw; Farm Primitives, Antiques & Collectibles. Early Consignments listed below.

Horses: Good selection of well broke Carriage & Buggy Horses, including Standardbreds- 12 yr old Geld(bomb proof); 7yr old mare, 9 yr old mare(Sharp), 6 yr old mare, 15 yr old mare; 8 yr old Percheon/Standbred Crossbred Gelding(broke); 9 yr old Crossbred, 54" well broke to ride & drive (sharp); Percheon & Belgian Crossbred Colts; Numerous Ponies, broke to ride & drive; Donkeys & Mules.

Carriages & Wagons: 4-6 Passenger Wagonette; Doctors Buggy; Amish Top Buggies; 2 Seat Buggy; White Visa Via; Sleigh; Peddlers Wagon; Box Wagon (no gear); Pony Carts; Wagon & Implement Seats; Buggy Wheels; Wagon & Buggy Parts; Buggy Hubs; Wheel Spokes.

Horse Drawn Equipment & Misc.: Potato Planter on Steel; IH 510 20 hole Drill; IH Mower(reg. gear); Misc.

Steel Wheels & Axles; Dirt Scraper; New & Used Collars(all sizes); Draft Size, Carriage Horse & Pony Harnesses; Saddles; Halters; Bridles; Neck Yokes & Eveners; Hames; Buggy Shafts & Surry Poles; Wagon Tongues; Water Tanks; New Weaver Tack; Circle Y Saddles; Lots of New & Used Tack; Hay & Straw; Heavy Duty Round Pen Gates & Panels.

Farm Related Primitives & Collectibles: Anvils; Blacksmith Forge & Tools; Spinning Wheel; Oxen Yoke; Wooden Ammo Boxes & Old Trunks; Bit Collection; Spurs; Hand Corn Sheller; Old Grinding Wheels; Old Collars; Hobby Horse; Chicken Nests; Wooden Butter Churn; Railroad Jack; Garden Cultivators; Dinner Bell; Windmill parts; Pulleys; Wooden forks; **Plus hundreds of items not listed.**



Note: Check in time is 8 AM to 6 PM, March 16-19. A very LARGE QUALITY AUCTION that has been attracting buyers from surrounding states; a very strong market for your horses & horse related items. Starting time is 9:00 AM both days. **March 20 Auction will include** Small Farm Related Antiques, Primitives & Collectibles; **March 21 Auction will be** Harnesses, Collars, Saddles, Farm Equipment, Carriages, Buggies & Horses. Buy with confidence & no surprises!! Hundreds of horse related items so don't miss this one!! **Lots of good food available both days by the Amish ladies.** RV parking available.
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K-State Sheep Producer Day scheduled for March 21

The 2020 Kansas State University Sheep Producer Day is planned for Saturday, March 21. This year's event will be held at K-State's Stanley Stout Center, 2200 Denison Avenue in Manhattan.

Mike Day, head of K-State's Department of Animal Sciences and Industry, will welcome attendees, followed by a variety of speakers, including Tom Murphy, research geneticist at Roman L. Hruska Meat Animal Research Center in Clay Center, Nebraska

Shane Tiffany of Tiffany Cattle Company in Herington

Maggie Highland, a faculty member in K-State's veterinary and diagnostic

lab Graduate student Tamra Kott accompanied by the 2019-2020 K-State wool judging team.

Following the lamb lunch, participants can tour Benz Rambouillet and Elder Livestock, located east of Manhattan.

"I am very excited to include managers of operations that encompass

both sheep and cattle as well as welcoming Dr. Highland to K-State with this meeting," said Alison Crane, K-State's sheep and meat goat specialist. "Incorporating tours of local sheep production systems is something I am looking forward to continuing."

Registration begins at 8 a.m. A trade show will take place throughout the

day. Pre-registration for Kansas Sheep Association members is \$15 and non-members pay \$25, if paid by March 12. Registration at the door is \$20 for Kansas Sheep Association members and \$30 for non-members. Lunch is included with registration. For a complete schedule, registration information and to register online, visit

https://www.asi.ksu.edu/events/sheep_meat_goat_events.html.

K-State Sheep Producer Day is sponsored by the Kansas Sheep Association and the K-State Department of Animal Sciences and Industry. For more information, contact Lois Schreiner at 785-532-1267 or lschrein@ksu.edu.

Lyon, Osage and Wabaunsee counties will be given preference. Glenn and Clyde Lindstrom scholarships in the amount of \$1,000 also are being offered, with preference given to students in USD 400.

One application applies to all the scholarships and can be accessed online or by calling the KLA office. All materials must be post-marked by April 20.

Apply now for Kansas Livestock Foundation scholarships

The Kansas Livestock Foundation (KLF) now is accepting applications for 2020-21 scholarships. Applicants must be graduates of a Kansas high school and, except for veterinary

students, undergraduate students at a Kansas community or senior college. The Merck Cartridges for Cash program offers \$1,500 scholarships to Kansas State University veteri-

nary medicine students and \$1,000 awards to undergraduates studying animal science and planning to be actively engaged in livestock production. Barton County KLA members

turned in the most cartridges at the 2019 convention, guaranteeing them a winner, provided a qualified student applies.

Hampel Oil/Mobil Delvac will offer \$1,000 scholarships to juniors and seniors at K-State and Fort Hays State University (FHSU). GoBob Pipe & Steel will sponsor a \$1,000 award for a student attending a Kansas junior or senior college.

Proceeds from the 2019 Kansas CattleWomen (KCW) Silent Auction and KLF Club Calf Sale will fund \$1,000 KCW and Youth in Ag scholarships.

Scholarships in the amount of \$1,500 will be offered in memory of Douglas A. Laue, a past chairman of the KLA Cattle Feeders Council. These will go to junior or senior students at K-State and FHSU. A \$500 scholarship will be given in memory of Fred H. Woodbury from Quenemo. Students residing in Chase, Franklin,

so long as farmers have a label on their containers stating that the product is unpasteurized.

The vote was 37-3 and sent the measure to the House.

Kansas has allowed the sale of raw milk for decades, but a 1967 law prohibited farmers from advertising its sale outside of their farms. A northwest Kansas dairy farm's owners sued over the advertising ban in October.

Kansas Senate approves bill to allow on-farm raw milk sales

(AP) — The Kansas Senate has approved a

bill that would allow on-farm sales of raw milk

Attorney General Derek Schmidt and the state Department of Agriculture agreed in settling the case not to enforce the ban. Schmidt admitted it was "plainly unconstitutional."

The death of the advertising ban initially led lawmakers to review a proposal to ban the sale of raw milk. But the Department of Agriculture didn't want to pursue that idea and legislators also were skeptical.

People who drink and sell raw milk think of it as an all-natural product that brings people closer to the source of their food.

Pasteurized milk undergoes a heating process to kill pathogens. Raw milk straight from a cow or goat is much more likely to carry salmonella, E. coli and other bacteria, according to the Food and Drug Administration.

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Joe Wegner 785-224-6881

Auctioneer: Danny Davis
785-383-2493

MEYER ESTATE AUCTION

SATURDAY, MARCH 14, 2020 – 10:00 AM
LOCATION: 2621 Big Bear Road — HANOVER, KANSAS
 From Hanover, KS, 5 miles North on 148 to 27 Rd., 1 mile East to Big Bear Rd. & 3/4 mile South. WATCH FOR SIGNS.

REAL ESTATE TO BE SOLD AT 1:00 PM

TRACT I
Address: 2621 Big Bear Road, Hanover, KS
Legal Description: Outlots 3 – 5 in East Half East Half (E½ E½) Less Tract in Southeast Quarter Southeast Quarter (SE¼ SE¼) lying South & West of Horseshoe Creek, Section Twenty-two (22), Township One South (T1S), Range Five East (R5E) of the 6th PM, Washington County, Kansas. Subject to Easements, Restrictions, and Reservations, whether of record or not. Containing 100.1 Acres.

TRACT II
Legal Description: South 575' of the Northwest Quarter and Northwest Quarter of Southwest Quarter (NW ¼ SW ¼) Less Right of Way, Section Twenty-three (23), Township One South (T1S), Range Five East (R5E) of the 6th PM, Washington County, Kansas. Subject to easements, restrictions, and reservations, whether of record or not.

General Description: This improved farm consists of 100.1 acres. There are approximately 84.65 acres of dryland cropland and the balance is building site, timber and road. The farm is a combination of creek bottom and upland soils. 5.83 acres are HEL, 78.82 are NHLE. The building site offers a large two-story farmhouse with about 2,900 sq. ft. of living area. It has a living room, kitchen, full bath with laundry hookups, 7 bedrooms, and screen porch. The home has several warm morning heating stoves and window air conditioners. Limestone basement. There is an attached four room secondary structure, 30'x32' open front machine shed and several other barns and sheds in various states of repair.

GENERAL DESCRIPTION: This unimproved farm has about 36.85 acres of dryland cropland and the balance is pasture and road. The cropland is NHLE. Pasture has a pond for water and is fenced. Base Acres and PLC Yields are as follows:

| CROP | ACRES | PLC YIELD |
|----------|-------|-----------|
| Wheat | 8.49 | 34 |
| Oats | .12 | 43 |
| Corn | 6.98 | 72 |
| Milo | 1.42 | 68 |
| Soybeans | 7.45 | 27 |

TAXES: 2019 Real Estate taxes were \$2,643.51 and are paid by the Seller. 2020 Taxes to be the responsibility of the Buyer.

TAXES: 2019 taxes were \$1,049.82 and are paid by the Seller. 2020 taxes are the sole responsibility of the Buyer.

INFORMATION FOR BOTH TRACTS
MANNER OF SALE: Farms sell by total dollars per acre. Farms are sold individually and will not be offered as a package. Tract I will sell first followed by Tract II.
INSPECTION: Farms are open to inspection at any time. To view the house and buildings, please call or text Aaron @ 402-300-0316.
POSSESSION: Possession of the cropland shall be given on or before April 1, 2020 or when the down payment check clears the bank. Possession of the homesite shall be given at closing.

ANNOUNCEMENTS: Any announcements made the day of the auction shall take precedence over printed material.

ANNOUNCEMENTS: Any announcements made the day of the auction shall take precedence over printed material.

TERMS: A non-refundable down payment equal to 20% of the purchase price to be paid down the day of the auction upon signing purchase agreements. The balance shall be due on or before April 14, 2020 or when deed and title insurance commitment are deliverable to the Buyer. The cost of title insurance and escrow closing fee shall be shared equally between the Buyer and Seller. Any lender required policy or endorsements shall be the expense of the Buyer. The law offices of Galway, Wieggers & Brinegar will provide contract, escrow and closing services, to include obtaining title insurance. Schultis and Son, Inc. are agents of and represent the Seller. The property is sold "AS IS" with no warranties, inspections, treatments or surveys of any kind being done by the Seller or the Seller's agent. Any and all inspection deemed necessary by the Buyer shall be completed by the Buyer prior to the auction. All floor and window coverings, ceiling fans and fixtures, window air conditioners, heating stoves and attached propane tank are included.

PERSONAL PROPERTY

TRACTORS & FARM MACHINERY
 1970 JD 3020 dsl tractor, WF, single hyd., clamp on duals, fenders, umbrella, sells w/JD 46A loader; JD 620 tractor, gas, NF, factory 3 pt., 540 PTO; 1971 JD 6600 combine, dsl w/15' header; Blair Feed R wagon, 9'; 2006 Fastline 5'x12' 2-wheel trailer; 8' 3 pt. blade; 12' wheel cultivator w/harrow; JD 12' tandem disc, good blades; JD mower, 7' bar; 100 bu. Grain-O-Vator; 100 bu. auger bottom trailer; JD 3 pt. chisel plow, 7'; 3pt. bale carrier; PTO post hole digger; JD 20 runner grain drill; 13' JD header; White 4 btm plow; JD 3 btm. plow; NH Hayliner 250 twin tie sq. baler; Vermeer 605A rd. baler; old JD parts combine w/corn head; JD 3 wheel hay rake; Minneapolis Moline manure spreader w/steel floor; 2 hay racks; 30' grain elevator; 4 row JD Go-Dig; JD 334 corn head; single row chopper; 4 row JD lister; JD 4 row planter; Hesston TT10 swather; 18' Kent Hyra-Harrow; 5' pull-type shredder; 12' Krause tandem disc; bale spear for loader; some scrap iron.

VEHICLES & STOCK TRAILER
 1997 Ford F150 pickup, ext. cab, 2WD, auto, blue w/matching topper, shows 158,000 mi.; 1995 Buick LeSabre Limited, 4 dr. sedan, loaded, tan, shows 187,750 mi.; 1965 Ford grain truck, 13

1/2' box & hoist, 4 spd., shows 70,000 mi.; 1980 16' Bull Mobile stock trailer, good condition.

PANELS, TOOLS & MISC.
 30+ port. cattle panels; Honeywell 420A generator; NEW storm windows 30"x63"; Delta cross bed tool box; Pro Force air compressor; Napa battery charger & starter; Hi Lift jack; 4' Louisville step ladder; air tank; sm. 3 pt sprayer; 24' ext. ladder; JD kerose heater; Lincoln elec. arc welder; cycle grinder; PTO Wire Wonder elec. corn sheller; Hastings galv. 6' stock tank; blue fiberglass stock tank; fishing poles; lawn chairs; BBQ grill; Milwaukee drill; socket sets; shop lights; Craftsman tool box; Dewalt drill & sander; Champion pressure washer; shop light; creeper; tank; Poulan 250 chainsaw; sm. anvil; 6" bench grinder; Toastermaster sander; power painter; dolly; 2 ton jack; MANY saws; Bolens snow blower; MANY long handled tools; Stihl weed eater; elec. fence posts; 2 fuel tanks.

GUNS
 Marlin Model 57 cal. 22 magnum; Remington Model 700 SN 675257 w/Bushnell Scope; Stevens 12 ga. shotgun; Falls Mass shotgun shells (Winchester 20 ga.)

FURNITURE, APPLIANCES & HOUSEHOLD ITEMS
 Office chair; La-Z-Boy chairs; lift chairs; full size bedroom sets w/

dressers & chest of drawers; queen bed; mirror; kitchen table & chairs; 48" Vizio flat panel TV; 36" flat panel TV; coat rack; gun cabinet; Oak cabinet; towel cabinet; exercise bike; desk; elec. organ; end tables; magazine rack; antique rocker; Oak chairs; couch; wheelchair; Midland CB; Conn Trumpet; pictures; dishes; pots & pans; kitchenware; towels; bedding; Harmony Guitar; Coleman lamp; bread maker; Emerson microwave; Woods upright freezer; Maytag washer & dryer; GE elec. stove/oven; NEW Insta POT; Kenmore refrigerator; freezer; Titan heater; small appliances; port. dishwasher; Like New elec. meat slicer.

ANTIQUES & COLLECTIBLES
 Galv. buckets; coffee grinder; 1906 Washington County plat book; Realistic transmitter radio; handmade Quilts; Chenille bedspread; Corningware; enamel tub; thermometers; Redwing crock buttermill chicken feeder; 6 gal. Redwing crock, small wing; 12 gal. Redwing crock, big wing; music box; ceramic Christmas tree; 4 cream cans; galv. tubs; Mid-century ash trays; cob box; vintage lamp; wooden crate; Kimball/Chicago Phonograph w/records; bur-lap bags; linens; old John Deere manuals; Globe; wooden storage box; Old Dodge car radio; 1950s Harmony Guitar; many other items too numerous to mention

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Auction Manager:
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LAND AUCTION

THURSDAY, MARCH 26, 2020 – 10:00 AM
 Durham Community building - Downtown Main Street in DURHAM, KS

258.79 ACRES GRASSLAND

Legal Description: The Northwest Quarter (NW/4) and the North 100 acres of the Northeast quarter (NE/4) of Section 32, Township 18 South, Range 1 East (32-18-1) Marion County KS.

Land Location: From Durham, 6 miles West on 260th, then 3 miles South on Bison. (Junction Bison Road and 260th)

Land Description: 258.79 acres of rolling native grassland with spring fed draw and excellent grasses. Approx. 59 acres in the NW/4 was once farmed and then years ago sown back to grass where the grass has established well. The balance of farm is all native grass where the desirable grasses are prevalent, show good care, and is clear of trees and brush. The majority of the NW /4 has only been hayed over the years which shows how easily this land is traversed as you can drive most anywhere on the entire farm with a car without hitting a rock or crossing a ditch. The highlight feature of this land is the abundance of water where the springs flow generously through a draw at the East boundary. Additionally there are several small ponds in various locations. Perimeter fences range from good fences along the North boundary to average fences along the East and South sides, and no fence along part of the West line.

Minerals: Mineral rights transfer with the land to the buyer. There is production of oil that is minimal.

Possession: Immediately at closing and upon full settlement.

Auctioneers Note: It doesn't take long to build a good fence. It takes years to re-establish or build good grasses. And only nature provides the springs that flow abundantly year round in endless supply. This farm will require a little fencing, but the grasses are plentiful and the water is generous. This pasture is worthy of your attention!! See you at the auction!


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Momentum growing to add value to dairy calves with beef sires

By Kay Ledbetter, Texas A&M AgriLife Extension

Interest in the use of beef sires on dairy cows to increase calf value is rapidly gaining momentum across the dairy industry, according to two Texas A&M AgriLife Extension Service specialists.

It's estimated traditional dairy cattle make up approximately 20% of the beef market through finished cattle and cull cows. Traditionally, the best heifers are kept as replacement females, while the remaining dairy heifers and bull calves enter the beef supply chain.

Changes in packer demand for finished straightbred dairy calves have driven a decline in their value, Jason Smith, AgriLife Extension beef cattle specialist, Amarillo, says. A beef-on-dairy breeding program can add value to these calves by improving traits that directly affect the cost of gain and carcass value.

"It's a hot topic right now in both the dairy and beef industry," he says. "With tight milk margins, dairy producers are looking for a way to add value and generate additional income in their system. With tight feeding margins, the beef industry is looking to determine exactly how and where these cattle fit into the production chain, and what their value is."

"As adoption of the practice grows, we expect a greater number of these cattle to enter the supply chain in the very near future," he adds.

Juan Piñero, AgriLife Extension dairy specialist, Amarillo, says most progressive dairy farmers have already adopted the practice.

"They are using sexed dairy semen to build their heifer supply and beef semen to add value to the rest of the calf crop," Piñero says. "The use of sexed semen and improvements in reproductive efficiency have led to

a surplus of replacement heifers. Since dairymen have more dairy heifers than needed, they started utilizing the beef semen with a proportion of the herd to capture the added value."

A beef influence in the breeding program of dairy operations for some of their cows can increase the marketability, according to Texas A&M AgriLife Extension Service.

As the interest grows, basically two things are happening.

"The dairy industry is trying to figure out how to strategically use the practice, and the beef industry is in the process of determining the value of these cattle," Smith says.

Dairymen have said there is currently a substantial price differential between straightbred and beef-on-dairy calves — where beef-on-dairy calves have an advantage of up to seven to ten times that of straightbred Holstein calves, Piñero says. The crossbred calves require less time on feed than straightbred dairy cattle to reach a target end point, thus reducing the use of natural resources and improving the sustainability of the production system.

Feeders are looking at experiences with these cattle in terms of health, growth and efficiency; while packers are looking at carcass quality, yield and cut-out.

"These experiences will dictate the calves' value, which is being determined as we speak," Smith says. "There are already beef-on-dairy cattle in the supply chain, and there have been for a long time. But we certainly expect that number to grow substantially in the future, especially in this region where large dairies, calf ranches, backgrounders and feedyards coexist."

"This presents a great opportunity to build relationships across the production sectors."

There is currently a lot of focus on identifying certain beef breeds that work better than others on certain dairy breeds in a dairy-beef crossbreeding system, he says.

While this may work for the average animal within a breed, emphasis should be placed on trait complementarity — utilizing beef genetics that complement the weaknesses or limitations of straight dairy-bred cattle.

The introduction of beef traits is expected to address issues with mature size, growth performance, average daily gain and feed efficiency, as well as carcass muscularity and yield.

"The focus shouldn't just be on the fact that they now have beef genetics, but rather that they have the right beef genetics," Smith says. "That's because there is as much variation within a breed as there is across breeds for a number of traits that are economically relevant."

On the flip side, one of the positive attributes of the dairy genetics is that retail products from dairy carcasses tend to be very uniform, whereas traditional beef cattle tend to be more variable, he says.

"The uniformity and predictability of retail product characteristics and cutout add value," Smith says. "The dairy production system also provides a good opportunity for age and source verification."

He also says genetics is only one part of the equation.

"From a management standpoint, health needs to be a priority," Smith says. "We can have a huge impact on growth performance and feeding outcomes through preventative health management. Colostrum timing, quality and quantity, as well as other management factors during that calf's first few

days of life are key." Typically, the dairy sells male calves to a calf ranch, which later sells them to a backgrounding yard and finally to a feedyard before the calves are sold to a packer.

"Dairies could consider retaining ownership of the calves throughout the live production chain," he says. "There is certainly some economic risk involved, but if handled properly, that would allow a dairy to realize the added value of their beef-on-dairy calves and diversify the operation."

Smith says while it seems the market has not yet settled on a value,

that value will be driven by experiences with those calves. Some beef-on-dairy calves have sold near the top of recent feeder-calf markets, while some have sold toward the bottom of

the market. "Genetics and calf care, as well as other value-added attributes, such as age and source verification, seem to be driving that difference," he says.

AUCTION

SUNDAY, MARCH 22, 2020 — 10:30 AM
Held at Wischropp Auction Facility, 930 Laing St.
OSAGE CITY, KANSAS

20+ vintage Pyrex pieces; assortment of linens, ladies hats, hat pins, perfumes, etc.; several cast iron pieces; selection Depression glass inc. Jadeite, pop bottles & cases, etc.;

Oak break front china cabinet; Walnut marble top dresser; Hoosier cabinet; vintage wash stand cabinet. **VERY, VERY PARTIAL LISTING!**

NOTE: Great selection of Vintage & Antique items of all descriptions. Plan to come early and enjoy the day at the auction! Two rings possible.

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When:
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Questions?
Contact Bo Downing Email: bdowning@usd378.org or (620) 550-1234
Or call Hailey Sharp at (785) 410-4972

ESTATE AUCTION

SATURDAY, MARCH 21, 2020 — 10:00 AM

15016 Lakeview CT. — BASEHOR, KANSAS 66007

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SATURDAY, MARCH 14, 2020 — 10:00 AM

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AUCTION

SATURDAY, MARCH 21, 2020 — 10:00 AM

At the house, 404 S. Hollenberg St. — HANOVER, KANSAS

EZGO (Textron) gas golf cart, green; Toro electric snowblower; Generac GP 3250 generator; Craftsman 10 in radial arm saw; Delta cutoff saw; Craftsman air compressor; older Shopsmith, some attachments; scroll saw; lawn aerator; White, Singer sewing machines; Daisy air rifle; Union 2 gallon churn; Union 8 gallon crock; old radios; toy train; wooden boxes; small iron toys; dishes; China; kitchenware; nuts, bolts, screws, parts cabinets; sewing box; large office desk; stools; bentwood oak chairs; tables; cots; hand saws; levels; planes; braces and bits; bench grinder; bottle capper; lanterns; hatchets; hammers; furniture clamps; squares; wrenches; coal scuttle; long handled tools; water cans; many other wood working tools, primitives, and antiques.

Many boxes are still unpacked. The Dierkings collected antiques, especially primitives, for many years. Lunch.

TERMS: Cash or good check. Announcements the day of auction take precedence over previous advertising.

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Grass & Grain, March 10, 2020

Kansas Forest Service, K-State Mesonet advise Kansans to prep for potentially active fire season

Rising temperatures and breezy conditions are quickly drying fuels across the state, increasing concerns for an active fire season in Kansas.

"Despite recent moisture, Kansas's primary fuel - grass - is abundant due to last year's above normal precipitation," said Chip Redmond, Kansas State University

assistant meteorologist.

The timing of future precipitation between dry frontal passages will determine how active this fire season is, Redmond said.

Fire season in Kansas usually runs from early to mid-March through mid-April in the spring, and it appears to be getting a quick start this spring. A number of counties have already fought multiple wildfires in recent days, with a handful becoming large and challenging.

"Regardless, green up is only in the initial stages in far southeast Kansas. The potential for active fire behavior will remain through April as dead grass remains vertically aligned and volatile during any period of warm/dry and windy conditions," Redmond said.

Eric Ward, the assistant fire management officer for the Kansas Forest Service, said that multiple reports from fire departments and people conducting prescribed burns this winter and spring have indicated that fire behavior has been much more challenging and difficult to control than the weather conditions would have indi-

cated.

"Fire departments should be vigilant and prepared to dispatch more resources than they typically would in the event of a wildfire," Ward said. "Landowners conducting prescribed burns are urged to carefully check the fire weather forecast, available on each National Weather Service website, prior to attempting any burn."

Landowners are encouraged to check weather for at least three days following any planned burn, as it has not been uncommon for an ember to get whipped to life by dry winds a day or two after a prescribed burn.

Ward said homeowners in rural areas, or any area where natural vegetation borders their property, should clear debris, keep their lawn mowed, clean out gutters and corners that collect fallen leaves, and remove anything that a blowing ember could light on fire and threaten their home.

For more information on protecting your property, contact the Kansas Forest Service or your local fire department.

Secretary Perdue directs USDA fleet to increase biofuels usage, announces notice of funding for Biofuels Infrastructure Program

U.S. Secretary of Agriculture Sonny Perdue recently issued a memo directing the U.S. Department of Agriculture (USDA) to acquire alternative fueled vehicles when replacing conventionally fueled vehicles. USDA owns and operates one of the largest civilian fleets in the federal government and this move to a fleet that can use E85 or biodiesel will increase efficiencies and perfor-

mance. Additionally, as part of President Trump's October agreement to seek opportunities to facilitate the availability of higher biofuel blends across the country, USDA will make \$100 million in grants available this year for the newly created Higher Blends Infrastructure Incentive Program. Through this program, transportation fueling and biodiesel distribution facilities will be able to apply for grants to help install, retrofit, and/or upgrade fuel storage, dispenser pumps, related equipment and infrastructure to be able to sell ethanol and biodiesel. The Department plans to publish application deadlines and other program information in the Federal Register this spring.

"Both of these actions underscore USDA is putting our money where our mouth is when it comes to increased biofuels usage. Expanding nationwide infrastructure that offers biofuels and increasing the number of biofuel capable vehicles in our fleet will increase the use of environmentally friendly fuel with decreased emissions, driving demand for our farmers and improving the air we breathe," Perdue said. "President Trump is fighting for our corn and soybean growers and biofuel producers by finalizing year-round E15, ensuring that more than 15 billion gallons of ethanol and 2.43 billion gallons of biodiesel enters the market in 2020, and opening up new markets abroad. USDA will continue to do its part to encourage the use of homegrown energy."

ESTATE AUCTION DON CHEGWIDDEN ESTATE

SATURDAY, MARCH 21, 2020 — 9:30 AM
Auction Location: 627 Market Street — PORTIS, KANSAS
LOTS & LOTS OF TOOLS including 6" belt & 9" electric disc sander; 14" vertical cutting band saw; 2 speed heavy duty drill press; Rockwell 10" motorized table saw; 20 Century arc welders; Lots of NEW & USED Tools. Nice selection! Also selling air compressors.
ANTIQUES, PRIMITIVES & COLLECTIBLES including watering cans; LOTS & LOTS of Galvanized items: galvanized & wooden chicken feeders & nests; cast iron pots; (2) 30 gallon crocks, 1 Red Wing and 1 Buckeye; NAPA advertising clock; Belden advertising belt holder; cast iron rope maker; unusual wrenches; milk bottles in carrier; cast iron implement seat stools; Fairbanks scales & others!

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Home. 785-488-2135 | Spencer. 785-488-7204
2118 Oxbow Road, Wells, Kansas 67467
email: schrader@twinvalley.net

For more sale information, videos & the sale catalog visit our website
www.schraderanch.com

COIN & GUN AUCTION

SATURDAY, MARCH 21, 2020 — 11:00 AM
(Early Preview Auction Day 9-11 AM)

AUCTION LOCATION: Community Building at Swope Park
COTTONWOOD FALLS, KANSAS 66845

Property of **MERLE ECKLUND**
27 Guns Sell First @11:00 AM Then
Over 300+ Lots of Coins Sell Following

GOLD COINS: 2019 \$10 Gold Eagle MS70; 2016 \$5 Gold American Eagle Set of 5, x2; **SILVER DOLLARS:** 190+ Morgans & 28+ Peace (1878 8TF Unc, 7TF Unc, 8TF 2nd Reverse, 1879 O w/toning, 1882 CC Unc (2), 1895 O; 700+ Indian Head Pennies; **COIN SETS:** Morgan Dream Set - 1878, (8TF, 7TF, 7/8TF, Reverse, CC, S); National Collector's Mint Morgan Dollar Set 11 Coins Unc-Fine, (including 1878 7TF, 1882 CC, 1884 CC); National Collector's Mint Morgan Dollar Set 22 Coins BU-MS60, (including 1878 7TF, 1878 CC, 1883 CC); 1816-1857 large Cent Collection 20 coins; 1873 \$50 Cert of Indebtedness of SC; 1917 Standing Liberty Quarter Type 1; Many More.

27 GUNS: RIFLES: Ruger 10/22 Target; Remington Gamemaster 30-06 & Model 190 30-06; Weatherby 7mm DU Walnut Engraved Stock NIB Very Nice; Belgium Made Browning .22 buttstock feed; DPMS Panther Arms .308 w/Custom Cerakote Finish; 2 Rock River Arms AR-15 5.56; Rock River Arms 458 Socom; M44 Russian Carbine; Stevens .22 Pump; 12-ga. **SHOTGUNS:** Beretta A390; Benelli M2; Breda Grizzly Super Mag; Remington 1100 & Model 11, Winchester Model 12. **HANDGUNS:** Springfield Armory XD (9mm, .45ACP, .357SIG); Beretta U22 NEOS .22; High Standard .22; Colt Huntsman .22; Garmin Alpha 100/TT 15 Dog Training System; Duke #15 Large Bear Trap.

This is a partial listing. See website for full listing, catalog & photos:
GriffinRealEstateAuction.com

CHUCK MAGGARD
Sales/Auctioneer
Cell: 620-794-8824

ANDY PHIPPS
Auctioneer
Cell: 620-794-1673

Griffin Real Estate & Auction
Office: 305 Broadway, Cottonwood Falls, KS 66845
Phone: 620-273-6421
Fax: 620-273-6425
Toll-Free: 866-273-6421
In Office: Miranda Phipps, Heidi Maggard

griffinrealestateauction@gmail.com

KEY FEEDS CATTLE MINERAL SALE:

Buy 20 bags and get 1 bag free!

Order by May 10 and ship by May 31 for free bag special

Key Feeds will custom mix your cattle mineral the way you want.

Choose any of the following additives:

- Chlortetracycline • Zinpro Availa 4 chelated trace minerals • MOS

3 choices of fly control:

- Altosid, Justify or Rabon • Cinnagar • Bovatec or Rumensin

One ton minimum order for bags or 2 tons minimum order for bulk.

Delivery is available.



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FEED

FEEDS

Joseph Ebert, VP

Fourth & Pomeroy Associates, Inc.

JC LIVESTOCK SALES INC.

Wednesday Sale, Hogs NOON • Cattle 12:30 PM

Report from March 4, 2020

| STEERS | | HEIFERS | | TOP BUTCHER COW: | | TOP BUTCHER BULL: | |
|------------|-----|---------|---------|------------------|--------|-----------------------------|--|
| 3 blkX | 400 | 204.00 | 4 blk | 486 | 159.50 | | |
| 5 blkX | 422 | 192.00 | 4 mix | 551 | 144.00 | | |
| 4 blkX | 500 | 185.00 | 12 blkX | 615 | 135.00 | | |
| 14 blk, Rd | 561 | 171.00 | 4 blk | 693 | 130.50 | | |
| 4 blk | 636 | 155.00 | 68 blkX | 767 | 124.75 | | |
| 2 blk | 715 | 143.50 | 6 mix | 1093 | 90.00 | | |
| 65 blkX | 856 | 132.75 | | | | TOP BUTCHER COW: | |
| 37 mix | 936 | 126.50 | | | | \$70.00 @ 1,760 lbs. | |
| | | | | | | TOP BUTCHER BULL: | |
| 2 blkX | 280 | 178.00 | | | | \$82.50 @ 1,740 lbs. | |

CONSIGNMENTS FOR MARCH 11:

HERD DISPERSAL: 20 Ang X bred cows, 1st calf to 8 yr old; 6 Red Ang X, 3 yr old bred cows. All bred to Hereford bulls. 9-9 Red Angus cow/calf pairs, 7-9 yr old cows, calves out of Red Angus bull.

- 60 blk X strs 875-900 lbs.
- 60 blk X strs 850-875 lbs.
- 15 Ang X hfrs 800-825 lbs.
- 40 feeder pigs 80-85 lbs.
- 25 feeder pigs 55-60 lbs.

PLUS MORE BY SALE DAY!

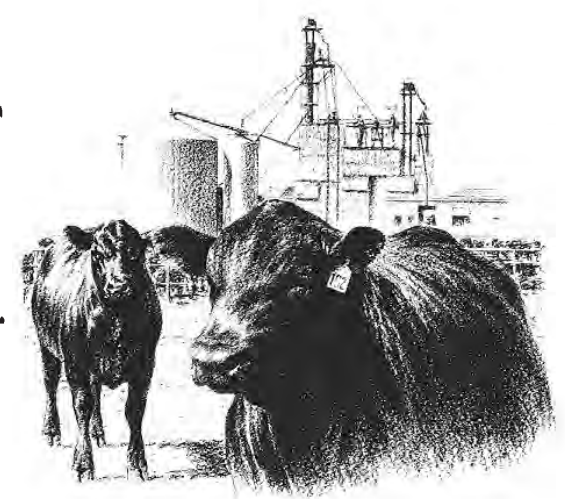
If you need assistance in marketing your cattle please call & we will be happy to discuss it with you.

CLAY CENTER LIVESTOCK SALES INC.

Cattle sales Tuesday, 11:00 AM.

Report from March 3, 2020

| STEERS | | HEIFERS | | TOP BUTCHER COW: | | TOP BUTCHER BULL: | |
|---------|-----|---------|---------|------------------|--------|-----------------------------|--|
| 2 blk | 323 | 199.00 | 9 mix | 522 | 145.00 | | |
| 3 blk | 402 | 196.00 | 4 blk X | 563 | 144.00 | | |
| 37 mix | 493 | 190.00 | 4 blk | 598 | 133.50 | | |
| 30 mix | 563 | 179.00 | 2 blk | 643 | 130.00 | | |
| 5 blk | 629 | 157.00 | 8 blk | 661 | 128.50 | | |
| 12 blk | 758 | 136.00 | | | | TOP BUTCHER COW: | |
| 62 mix | 898 | 127.75 | | | | \$69.50 @ 1,640 LBS. | |
| | | | | | | TOP BUTCHER BULL: | |
| 2 blk X | 375 | 164.00 | | | | \$86.50 @ 2,420 LBS. | |



JUNCTION CITY, KANSAS • Barn Phone 785-238-1471
Seth Lauer 785-949-2285, Abilene

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

KARL LANGVARDT
Cell: 785-499-2945

MITCH LANGVARDT
Cell: 785-761-5814

LYNN LANGVARDT
Cell: 785-761-5813



EMPORIA LIVESTOCK SALE CO.

Bonded & Insured

SALE EVERY WEDNESDAY IN EMPORIA, KANSAS AT 11:00 AM
620-342-2425 or 800-835-7803 toll-free • Fax: 620-342-7741

Date: 3/4/20.
COWS: \$58-\$68.50; \$46-\$57.25; \$45 & down.
BULLS: \$80-\$87

| BULL CALVES | | STEERS | |
|-----------------|--------------|------------|-----------------|
| 4 mix bull calf | ..459@160.00 | 5 char |790@117.00 |
| 3 red bull calf | ..603@149.00 | 2 char |765@111.00 |
| 6 mix bull calf | ..772@131.00 | | |
| | | HEIFERS | |
| | | 7 mix |379@184.00 |
| | | 4 mix |434@171.00 |
| | | 19 blk |472@169.00 |
| | | 4 blk |451@154.50 |
| | | 3 mix |403@126.00 |
| | | 17 blk/bwf |523@162.00 |
| | | 27 blk |524@153.00 |
| | | 6 blk/bwf |592@153.00 |
| | | 8 blk |568@152.00 |
| | | 11 blk/bwf |598@151.50 |
| | | 3 blk |532@145.00 |
| | | 10 blk |630@144.00 |
| | | 12 mix |612@141.00 |
| | | 12 mix |682@139.25 |
| | | 9 blk |722@129.00 |

EARLY CONSIGNMENTS FOR MAR. 11

- 55 mix strs & hfrs, longtime weaned & 2 rds shots, 400-600 lbs.
- 45 Red Ang strs, longtime weaned & 2 rds shots, 450-700 lbs.
- 80 mix strs & hfrs, longtime weaned & 2 rds shots, 500-600 lbs.
- 70 mix strs & hfrs, longtime weaned & 2 rds shots, 500-650 lbs.
- 66 mix strs & hfrs, longtime weaned & 2 rds shots, 550-700 lbs.
- 85 blk strs & hfrs, longtime weaned & 2 rds shots, 600-800 lbs.

PLUS MORE BY SALE TIME

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

For Cattle Appraisals Call:
BRODY PEAK, 620-343-5107 **GLENN UNRUH, 620-341-0607**
LYLE WILLIAMS, Field Representative, 785-229-5457
WIBW 580 - 6:45 A.M. Thurs; KVOE 1400 - 6:30-6:45 A.M. Thurs. & Fri.
To see more consignments go to: emporialivestock.com

K-State experts offer advice on cattle breeding

Creating a great cake starts with quality ingredients mixed together by a talented baker. The same can be said of cattle breeding, only in this case the ingredients include cycling females, quality bull semen and a knowledgeable producer who can plan for a timed breeding through artificial insemination or natural exposure. In a recent podcast from Kansas State University's Beef Cattle Institute, experts shared tips for successful cattle breed-

ing. Beef cattle Extension specialist Bob Weaber and veterinarian Bob Larson offered the following advice to producers struggling to get their females to settle in pregnancy with artificial insemination (AI). "First you have to make sure that your females are ready to be bred," Larson said. "With heifers, we often do a pre-breeding exam to make sure they have reached puberty, while with cows you need to make sure they've had two to three months to re-

cover from calving." For Larson, the second step is to confirm the females are in good body condition. Cows that are thin are less likely to resume fertile cycles. Weaber also stressed the importance of working with a well-trained AI technician. "Breeding heifers through AI can be more challenging than cows just because with heifers the cervix is smaller and there are differences in tract size anatomy, which is why you need to have an

experienced technician to increase the likelihood of success," Weaber said. Timing of insemination in breeding is critical and therefore accurate heat detection is an important skill for producers to develop. Summer time is often when heifers and cows are bred for late March/April spring calving, and that can also present challenges in detecting estrus (receptivity to breeding). "In the summertime, cows and heifers are not going to exhibit estrus in the middle of the day because it is too hot, so you need to observe them twice a day at sunup and sundown," Weaber said. For producers who aren't able to watch heifers and cows closely, there are products that can help with heat detection. Weaber cited detection patches and paint markers as examples of other tools that will show if the cattle are active around the time of breeding. After following the protocols, if the females still aren't becoming pregnant then it is time to check the semen quality in the tank to be sure that it has been handled correctly. "Check to make sure you aren't using a bad batch of semen; mistakes in the thawing process are the difference between getting the cows bred and not bred," Weaber said. "I can guarantee that dead semen will not breed cows." More information on this topic is available on a weekly podcast produced by the Beef Cattle Institute.

Analysis finds demand for meat strong, represents \$50.5 billion in sales for 2019

The Food Industry Association and the Foundation for Meat and Poultry Research and Education, the foundation for the North American Meat Institute (Meat Institute), released their 15th-annual in-depth study of meat and poultry through shoppers' eyes. The Power of Meat 2020 explores consumption trends, sales growth and consumer preferences and found demand for meat is accelerating with \$50.5 billion in sales for 2019.

"The Power of Meat is a thorough examination of consumer behavior and reflects the value of meat and poultry to retailers," said Julie Anna Potts, NAMI president and CEO. "The survey affirms the ongoing work of the industry to improve trust in animal protein is welcomed by consumers and useful to retailers."

The survey took a deep dive into consumer interest in topics like production claims and sustainability. With 49% believing that animal agriculture does not have negative impacts on the planet if done properly, the belief that it does have negative impacts is higher among younger generations, showing the opportunity and importance of consumer education.

Meat department sales are strong in dollars and volume, driven by beef and chicken, and spending per household increased. When it comes to meat consumption, moderation is far more popular than elimination, with flexitarians (12%) looking to reduce their animal protein through smaller portion sizes and/or a day without meat/poultry.

FMI Vice President, Fresh Foods, Rick Stein noted how meat-shopper consumption patterns are shifting. He said, "One of the most compelling storylines in the analysis is that 83% of shoppers purchase specific cuts of meat and they are eating smaller portions, but with total volume sales up slightly, that means they are eating less more often."

Meat brands continued to benefit from being a preferred purchase among younger shoppers, but 2019 was a strong year for private brands (up 12.3%). Shoppers say they want to hear from brands about nutrition (58%), food safety practices (57%), animal care practices (46%) and the brand's environmental impact (40%).

The Power of Meat was conducted by 210 Analytics and is made possible by Cryovac, a division of Sealed Air.



Saturday, April 11

12:00p.m. cst-Randolph-Kansas 

70 Angus and 40 Charolais Bulls

50 of the Angus are 18-month-olds

New! 30 Angus Females Selling!

Fink bulls:

- ✓ Complete BSE approx. 12 months
- ✓ No feet trimming
- ✓ No 'flooring' of bulls or 'no sale' bulls
- ✓ No clipping, grooming
- ✓ Athletic, not fat
- ✓ 3-year-bull-guarantee, feet, semen



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The Signature name says it all. The 504R Signature baler advances the Vermeer legacy by giving the working man a baler that is built upon the three signature pillars of Vermeer — convenience, ease of use and durability. Combine that with a camless wide pickup, rotor and durable steel windguard roller for quiet and smooth operation — all while making bales at a quick pace. Backed by a 3-year pickup warranty*, it's clear the 504R Signature baler is truly one of a kind.



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Simmental | Angus | SimAngus™
Selling - 20 Fall Bulls, 60 Spring Bulls,
50 Yearling Heifers & 25 Bred Cows

WEEKLY FEATURE



SFG F8315
18 Month
SimAngus Bull

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Ben: (785) 640-9390 | www.SUNFLOWERGENETICS.com



Sell At St. Marys

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

We sold 1084 cattle March 3. We had a nice run of home raised steer and heifer calves for which there was good demand at sold steady to \$5.00 higher prices. Feeder steers and heifers sold steady to \$2.00 lower. Cows and bulls were steady.

| STEER & BULL CALVES | | | |
|---------------------|--------------|-----------------|--------------|
| 15 blk/bwf str | 425 @ 201.00 | 4 blk str | 576 @ 170.00 |
| 5 blk/bwf str | 407 @ 196.00 | 4 blk/bwf str | 596 @ 168.00 |
| 3 blk/bwf str | 408 @ 193.50 | 85 blk str | 617 @ 167.00 |
| 6 blk/bwf str | 436 @ 193.50 | 7 blk/bwf str | 620 @ 163.00 |
| 12 blk/bwf str | 429 @ 193.00 | 3 blk/char str | 575 @ 161.00 |
| 1 blk str | 395 @ 189.00 | 9 blk/red str | 712 @ 146.00 |
| 3 blk str | 418 @ 189.00 | 11 blk str | 732 @ 144.00 |
| 8 blk/red str | 346 @ 188.00 | 8 blk str | 724 @ 141.00 |
| 25 blk/bwf str | 536 @ 187.00 | 62 blk/bwf str | 892 @ 133.60 |
| 5 blk bulls | 411 @ 186.00 | 6 char str | 716 @ 132.00 |
| 1 sim str | 320 @ 186.00 | 61 blk str | 908 @ 129.60 |
| 6 blk/bwf str | 503 @ 183.00 | 60 blk/bwf str | 918 @ 129.60 |
| 1 blk str | 425 @ 180.00 | 61 blk/bwf str | 903 @ 128.00 |
| 1 blk str | 375 @ 179.00 | 61 mix str | 931 @ 126.00 |
| 2 blk str | 385 @ 178.50 | 58 blk/bwf str | 983 @ 126.00 |
| 4 blk str | 424 @ 178.00 | | |
| 5 blk str | 523 @ 176.00 | HEIFER CALVES | |
| 3 bwf bulls | 378 @ 175.00 | 2 blk hfrs | 275 @ 177.00 |
| 2 blk str | 518 @ 174.00 | 13 blk/bwf hfrs | 478 @ 173.00 |
| 3 blk bulls | 505 @ 162.00 | 2 bwf hfrs | 333 @ 171.00 |
| | | 1 blk hfr | 350 @ 167.00 |
| | | 6 blk hfrs | 493 @ 167.00 |

| STOCKER & FEEDER STEERS | | | |
|-------------------------|--------------|----------------|--------------|
| 3 blk/bwf str | 568 @ 180.00 | 2 blk hfrs | 483 @ 165.00 |
| 13 blk str | 598 @ 175.00 | 8 blk/bwf hfrs | 524 @ 164.00 |
| 46 blk/bwf str | 627 @ 172.00 | 5 blk/bwf hfrs | 376 @ 163.00 |

| | | | |
|-----------------|--------------|-------------|--------------|
| 11 blk/bwf hfrs | 439 @ 161.00 | 1 blk hfrt | 1020 @ 94.50 |
| 4 blk hfrs | 370 @ 159.00 | 2 blk hfrts | 1163 @ 81.50 |
| 7 blk hfrs | 423 @ 159.00 | 1 blk cow | 965 @ 79.50 |
| 1 blk hfr | 430 @ 159.00 | 1 blk cow | 1085 @ 69.00 |
| 1 bwf hfr | 415 @ 158.00 | 1 blk cow | 1025 @ 67.00 |
| 1 blk hfr | 395 @ 156.00 | 1 blk cow | 1445 @ 65.00 |
| 7 blk/wf hfrs | 529 @ 151.50 | 1 blk cow | 1405 @ 64.00 |
| 2 wf/blk hfrs | 335 @ 151.00 | 1 char cow | 1400 @ 63.00 |
| 2 blk hfrs | 413 @ 149.00 | 1 red cow | 1305 @ 62.00 |
| | | 1 blk cow | 1530 @ 61.00 |
| | | 1 blk cow | 1325 @ 60.00 |
| | | 1 bwf cow | 1585 @ 59.00 |
| | | 1 blk cow | 1465 @ 57.50 |
| | | 1 blk cow | 1485 @ 57.00 |
| | | 1 bwf cow | 1295 @ 56.50 |
| | | 1 blk cow | 1525 @ 56.00 |
| | | 1 blk cow | 1235 @ 55.50 |
| | | 1 red cow | 1710 @ 55.00 |
| | | 1 blk cow | 1250 @ 54.50 |
| | | 1 red cow | 1270 @ 54.00 |
| | | 1 bwf cow | 1105 @ 52.00 |

| STOCKER & FEEDER HEIFERS | | | |
|--------------------------|--------------|--|--|
| 8 blk hfrs | 551 @ 156.50 | | |
| 43 blk/bwf hfrs | 585 @ 155.75 | | |
| 11 blk hfrs | 587 @ 154.00 | | |
| 43 blk/bwf hfrs | 585 @ 155.75 | | |
| 11 blk hfrs | 587 @ 154.00 | | |
| 4 wf/blk hfrs | 576 @ 149.00 | | |
| 15 blk hfrs | 650 @ 140.00 | | |
| 8 blk hfrs | 657 @ 139.75 | | |
| 2 blk/red hfrs | 573 @ 138.00 | | |
| 15 blk hfrs | 684 @ 130.75 | | |
| 19 blk/bwf hfrs | 738 @ 130.25 | | |
| 19 blk/bwf hfrs | 694 @ 130.00 | | |
| 21 blk/red hfrs | 835 @ 119.50 | | |
| 5 blk/bwf hfrs | 913 @ 115.50 | | |
| 4 blk/bwf hfrs | 904 @ 109.00 | | |

| COWS & HEIFERETTES | | | |
|--------------------|--------------|--|--|
| 1 blk hfrt | 930 @ 101.00 | | |

| BRED COWS & HEIFERS | | | |
|---------------------|-----------|--|--|
| 4 red ang cows | @ 1775.00 | | |
| 5 red ang hfrs | @ 1735.00 | | |
| 7 red ang cows | @ 1675.00 | | |
| 2 bwf cows | @ 1300.00 | | |
| 1 red ang cow | @ 1200.00 | | |

| | | | |
|---------------|----------|------------|--------------|
| 1 red ang cow | @ 900.00 | 1 blk bull | 1870 @ 84.50 |
| 1 blk cow | @ 835.00 | 1 blk bull | 1855 @ 83.50 |
| 1 blk cow | @ 800.00 | 1 blk bull | 2175 @ 79.00 |
| | | 1 blk bull | 2085 @ 77.00 |
| | | 1 blk bull | 2030 @ 75.00 |
| | | 1 blk bull | 1895 @ 73.00 |
| | | 1 blk bull | 1585 @ 67.50 |

| COW/CALF PAIRS | | | |
|----------------|-----------|--|--|
| 1 blk cow/cf | @ 1600.00 | | |

| BULLS | | | |
|------------|--------------|--|--|
| 1 blk bull | 2015 @ 85.00 | | |

CONSIGNMENTS FOR MARCH 10:

- 70 Hereford bulls & heifers, 450-700 lbs.
- 42 blk Red Angus str, 525-575 lbs., weaned, vacc.
- 100 blk steers & heifers, 500-600 lbs., weaned, vacc.
- 90 blk Charolais steers, 500-600 lbs., Northern origin, weaned, vaccinated 3 times
- 160 blk steers & heifers, 600-800 lbs., weaned, vacc.
- 130 blk steers & heifers, 500-700 lbs., weaned, vacc.
- 60 blk steers, 875-900 lbs., Northern origin
- 60 black steers, 900-925 lbs.
- 60 black heifers, 850-875 lbs.

CONSIGNMENTS FOR MARCH 31:

- 180 blk bwf str & hfrs 550-700 weaned vaccinated
- 470 blk bwf str & hfrs 650-850 weaned vaccinated

The above consignments are home raised,
Mill Brae and Laflin genetics from
Jerry and Mark McLaughlin

WATCH OUR AUCTIONS LIVE ON DVAuctions.com

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


FOR INFORMATION OR ESTIMATES:

| | | | |
|--------------------|-------------------------|---------------|-------------------------|
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| DENNIS REZAC | ST. MARYS, 785-437-6349 | LYNN REZAC | ST. MARYS, 785-456-4943 |
| DENNIS' CELL PHONE | 785-456-4187 | REX ARB | MELVERN, 785-224-6765 |
| KENNETH REZAC | ST. MARYS 785-458-9071 | | |

Toll Free Number.....1-800-531-1676

Website: www.rezaclivestock.com

AUCTIONEERS: DENNIS REZAC & REX ARB



Livestock Commission Company, Inc.

St. Marys, Ks.