Crossbred & Purebred Spring-Calving Heifers
Friday, December 7, 2018
7:00 P.M.
Farmington Livestock Auction
1600 Woodlawn Dr., Farmington, MO 63640

79 BRED HEIFERS AVAILABLE:

- Artificially inseminated and natural bred heifers available many with known fetal sex.
- Tier II (heifer out of an AI sire) and registered Angus heifers available.
- 91% black or black-white-face. 5% red-white-face bred to Red Angus bulls. 4% Gray AI bred.
- Sorted into uniform lots by breed, color, size, calving date, and some fetal sexed lots.
- Heifers have met minimum standards for reproductive soundness, pelvic size, and vaccinations.
- Heifers have been bred to bulls meeting strict calving ease/birth weight EPD requirements.

CONSIGNORS:

Turner Farms, Belgrade
Pat Gegg, Ste. Genevieve
David Gann, Steelville
Grellner Farms, Owensville
Dean & Dallas Wilson, Dittmer
Ben & Julie Davis, Farmington
Graham Family Farm, Farmington

CONTACT INFORMATION:

Kendra Graham (573) 756-4539
grahamkk@missouri.edu
Catalog: www.extension.missouri.edu/stfrancois

SALE AGENT:

Farmington Livestock Auction, Inc.
Keith Robertson, (314) 560-3285

VIEW/BID LIVE ON THE INTERNET:

LiveAuctions.TV

To register and follow the auction in real time on the internet, log on to the website, http://www.liveauctions.tv
For more information or support call 817-725-8595

Show-Me-Select Replacement Heifers, Inc. a non-profit organization in cooperation with:

University of Missouri Extension—College of Agriculture, Food and Natural Resources—Division of Animal Sciences—Commercial Agriculture Program—MU College of Veterinary Medicine—Missouri Cattlemen’s Association—Missouri Department of Agriculture
Dear Prospective Buyers and Guests,

We would like to welcome you to attend the East Central Missouri Region Show-Me-Select sale at the Farmington Livestock Auction in Farmington, Missouri. The sale will begin at 7 p.m. on Friday, December 7, 2018 with heifers available for viewing in their respective sale lots after 3 p.m. Seven producers have worked diligently to bring you a set of high-quality heifers. New this year is the ability to bid online via LiveAuctions.TV. Instructions are below and can be done via phone, computer, and apps on a phone or tablet.

The Show-Me-Select heifer program is a nationally recognized educational program that helps producers develop and market productive females that can remain in your herd for years. Each heifer has gone through a strict health and reproductive protocol to help reduce calving difficulty. All heifers are free of blemishes, have good dispositions and are tested negative for PI BVD.

This sale offers an excellent variety of heifers including registered and commercial black Angus, black-white-face Angus cross, and Red Angus cross breeds. Many of these heifers are AI bred to some of the most popular sires in their respective breeds.

Consignors in this catalog are listed in alphabetical order and a sale order will be available sale day. If you have any questions please feel free to contact the consignors or myself for more information. The catalog is available on our website at www.extension.missouri.edu/stfrancois or you can visit our Facebook page searching for Show Me Select Bred Heifer Sale: Farmington.

Sincerely,

Kendra Graham
University of Missouri Extension
East Central Region
Show-Me-Select Coordinator
grahamkk@missouri.edu
(573) 756-4539

LiveAuctions.TV
(817) 725-8595

- Go to www.LiveAuctions.tv
- Find your sale (listed in date order)
- Click “watch this event” which will take you to a log in page.
- If you have an account login, if not click “create new user”

For those phone and tablet users download the LiveAuctions.TV App

University of Missouri, Lincoln University, U.S. Department of Agriculture and Local Extension Councils Cooperating
Equal Opportunity/ADA Institutions
SALE INFORMATION

Sale Agent - Farmington Livestock Auction, LLC

SALE PROCEDURE

The sale order was determined by a random draw of consignors for a position in the rotation. Each consignor selected the order of their lots. Heifers will be sold in uniform lots according to breed, type, and size. Heifers in each lot are expected to calve within 45 days of each other. Heifers become the property of the purchaser immediately after the sale. Each animal will be at the purchaser’s risk as soon as sold. No cattle will be loaded until the conclusion of the sale. All fees will be collected by Farmington Livestock Auction, LLC and are to be settled before loading cattle.

GUARANTEE

All heifers guaranteed bred and are guaranteed to remain pregnant for 30 days after the sale. Due dates are approximate. Females can range 2 weeks or more around the due date even if they were AI bred on the same day. Heifers were pasture exposed to bulls after AI. Any heifer found open by an accredited veterinarian will be refunded by the consignor. Heifers are guaranteed against genetic defects on first calf only if inspected and documented by a veterinarian or accredited DNA test. All guarantees are made by the consignor of the cattle and not the sale committee, St. Francois County Extension or Farmington Livestock Auction, LLC.

TAGS

All heifers in the sale are identified by a special tag that carries the “Show-Me-Select” trademark and name. This tag indicates that heifers have met all of the requirements of the Missouri “Show-Me-Select” replacement heifer program. Some heifers may carry a white Show-Me-Select tag. This identifies them as Tier Two heifers which is explained in more detail later in this catalog.

CONTRIBUTORS

The sale committee and consignors wish to thank all those who have contributed to the success of this program. Your faith in our ability to make this program work is appreciated.

University of Missouri Extension                      St. Francois County Extension Council
College of Veterinary Medicine                      East Central Cattlemen’s Association
Missouri Department of Agriculture                  Missouri Cattlemen’s Association
Commercial Agriculture Program                     Missouri Show-Me-Select Heifers, Inc.
Farmington Livestock Auction, LLC

**HEALTH NOTICE**

All heifers in this sale have been Brucellosis calfhood vaccinated between 4 and 12 months of age. Necessary health papers will be available on all heifers to go to any state after the sale. All heifers have tested negative for BVD-PI.
Requirements for Heifers in the 2018 Replacement Heifer Sale

These requirements are designed to minimize the incidence and severity of calving difficulty and protect against potential reproductive losses. Heifers must be bred to service sires at or above established calving ease EPD’s minimums, have a minimum pelvic area of 150 cm² at prebreeding or 180 cm² at pregnancy examination, be a minimum body condition score of 5 and a maximum of 8 on sale day, and meet established health guidelines.

Weaning:
- All heifers must be calfhood vaccinated for Brucellosis according to Missouri state regulations.
- Heifers are vaccinated for IBR, PI-3, BVD, BRSV, and 7-way Clostridia. Label directions concerning initial vaccination and boosters must be followed.
- Use of implants is discouraged. If heifers are implanted, only FDA approved products for replacement heifers are allowed according to label guidelines.
- Long-term use of MGA is prohibited. Use of MGA for periods up to 14 days to synchronize estrus is permitted.
- Internal and external parasites are controlled as needed.
- Heifers must be polled or de-horned and completely healed by sale day.

Pre-Breeding:
- Pre-breeding reproductive examination is performed.
- Reproductive tract scored, pelvic measurement, weighed.
- Heifers are vaccinated for IBR, BVD, Leptospirosis and Vibriosis between 60 and 30 days prior to beginning of breeding. All vaccinations must follow label directions.
- Internal and external parasites are controlled as needed.

Pregnancy Exam:
- Heifers are pregnancy examined by 90 days to determine breeding dates. (Confirm AI pregnancy or natural service). A preg check is also done within 30 days of the sale.
- Heifers are treated for external and internal parasites within 30 days of sale date. Products for internal parasite control must have a label claim for all stages of the parasite life cycle.
- Leptospirosis (5-way) given at preg check.
- Heifers are examined on sale day by a final screening committee to eliminate blemishes (scarred eyes, frozen ears, short tails, rat tails). They must have a muscle score of at least a 2 and not have an undesirable disposition.
- Tested negative for BVD-PI.

Sire Requirements:
Heifers must be bred to bulls with birth weight or calving ease EPD’s that meet the guidelines for the following breeds based on the current genetic evaluation at the time of breeding for the respective breed associations. Accuracy values of 0.6 or better for birth weight and calving ease EPDs are required on AI sires:

<table>
<thead>
<tr>
<th>Breed Group</th>
<th>Percentile Requirement</th>
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<tbody>
<tr>
<td>Angus</td>
<td>CED ≥7.0</td>
</tr>
<tr>
<td>American</td>
<td>Upper 20%</td>
</tr>
<tr>
<td>British</td>
<td>Upper 30%</td>
</tr>
<tr>
<td>Continental</td>
<td>Upper 15%</td>
</tr>
<tr>
<td>Hybrid</td>
<td>Upper 15%</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Service Sire Breed</th>
<th>2018 Minimum calving ease EPD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Angus</td>
<td>7.0</td>
</tr>
<tr>
<td>Charolais</td>
<td>9.8</td>
</tr>
<tr>
<td>Gelbvieh &amp; Balancer</td>
<td>13.0</td>
</tr>
<tr>
<td>Limousin &amp; LimFlex</td>
<td>10.0</td>
</tr>
<tr>
<td>Hereford</td>
<td>4.7</td>
</tr>
<tr>
<td>Red Angus</td>
<td>9.0</td>
</tr>
<tr>
<td>Simmental &amp; SimAngus</td>
<td>13.6</td>
</tr>
</tbody>
</table>
**Using this Catalog:**

**Expected Progeny Differences (EPDs):** provide a genetic value predicting the performance of future offspring for each animal as a way to compare animals within a breed. Information from the animal’s individual performance, offspring performance and performance from other relatives go into calculating EPDs. Each EPD is reported in the same unit of measure as the trait i.e. weaning weight is reported in pounds. These numbers are a tool for breeders to utilize to help them decide what traits are important to their program and how they can make changes in their herd.

**Accuracy:** is the reliability that can be placed on an EPD. Accuracy is reported as a decimal number between zero and one with larger numbers indicating higher accuracy and more certainty the EPD will not change as more progeny information is obtained. Accuracies of .20 and below are typical of non-parent bulls. Genomic (DNA) testing of bulls will increase accuracy values.

**EPD Definitions:**

**Birth Weight EPD (BW):** The expected difference in average birth weight (lbs) of progeny. Birth weight reflects prenatal growth potential and may also be used as an indicator of calving ease.

**Calving Ease Direct (CED):** Expressed as a difference in percentage of unassisted births, with a higher value indicating greater calving ease in first-calf heifers.

**Weaning Weight EPD (WW):** The expected difference in average weaning weight (lbs) of calves. The evaluation reflects genetic influence on pre-weaning growth rate.

**Yearling Weight EPD (YW):** The expected difference in average yearling weight (lbs) of progeny. The evaluation reflects genetic influence on pre-weaning and post-weaning growth rate.

**Maternal Milk EPD (Milk):** The expected difference in average weaning weight (lbs) of daughter's calves attributed to milking ability. In other words, it is a predictor of a sire’s genetic merit for milk and mothering ability as expressed in his daughters.

**Carcass Weight (CW):** Expressed in pounds is a predictor of the differences in hot carcass weight of a sire’s progeny compared to progeny of other sires.

**Marbling EPD (Mrb):** Expressed as a fraction of the difference in USDA marbling score of a sire’s progeny compared to progeny of other sires.

**Ribeye Area EPD (REA):** Expressed in square inches, is a predictor of the difference in ribeye area of a sire’s progeny compared to progeny of other sires.

**Fat Thickness (Fat):** Expressed in inches, is a predictor of the differences in external fat thickness at the 12th rib (as measured between the 12th and 13th ribs) of a sire’s progeny compared to progeny of other sires.

<table>
<thead>
<tr>
<th>Trait</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calving ease (direct)</td>
<td>.65</td>
</tr>
<tr>
<td>Calving ease (maternal)</td>
<td>.30</td>
</tr>
<tr>
<td>Weaning weight</td>
<td>.75</td>
</tr>
<tr>
<td>Carcass Weight</td>
<td>.20</td>
</tr>
<tr>
<td>Marbling</td>
<td>.20</td>
</tr>
</tbody>
</table>

**Show-Me-Plus Classification:** Heifers tested with a heifer genomic prediction panel approved by University of Missouri Extension will be given the designation of a Show-Me-Plus Heifer. These include breed association GE-EPD, GeneMax, Maternal Edge, Herd Navigator, Igenity Gold, Igenity Silver, Method Choice, and Method Commercial tests. Heifer DNA samples must be submitted and paid for two months prior to sale date.

December 7, 2018
Farmington Livestock Auction, Inc.
Ben & Julie Davis
21932 Colony Church Rd.
Farmington, MO 63640
(573) 701-9193

2 Angus Crossbred Heifers
- 1 Black
- 1 Black-white-face

- 1 black natural bred to ROL Eclipse 134 Angus bull due to calve 1/31/19.
- 1 black-white-face natural bred to ROL Eclipse 134 Angus bull due to calve 1/21/19.
- All of these heifers are home raised. They are all black Angus cross bred to a Power Tool son out of a SydGen Burgess cow. They are born and developed in a rotational grazing system where we approach year-round grazing. We are around our cattle all the time so disposition has to be great. They are made to survive on fescue, from weaning to preg check. We cull heifers that don’t excel. The steer mates have performed great in the feedlot and make a high-quality carcass.

<table>
<thead>
<tr>
<th>Service Sires</th>
<th>Expected Progeny Differences (EPDs) &amp; Accuracies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Natural Service Sire</strong></td>
<td><strong>CED</strong></td>
</tr>
<tr>
<td>ROL Eclipse 134</td>
<td>13</td>
</tr>
<tr>
<td>Angus: 17893336</td>
<td>(.36)</td>
</tr>
</tbody>
</table>
4 Angus Crossbred Heifers
- 3 Black AI bred
- 1 Black-white-face AI bred

- 3 black AI bred to Shiefelbein Effective 61 Angus bull due to calve on 2/14/19.
- 1 black-white-face AI bred to Shiefelbein Effective 61 Angus bull due to calve on 2/14/19.
- Farm program purchases one owner feeder calves direct from producers farm. Calves are back grounded for approximately five months utilizing a rotational grazing system with automatic water system and electric fence. Pasture consists of mixed fescue pasture.
- Heifers are on a mineral supplementation program upon farm arrival. Selection of only the best performers related to growth along with docility and disposition are retained. Once selected for the Show-Me-Select Program, heifers are hand feed daily to promote maturity growth and reinforce human contact. During working events, extra caution is exercised to avoid stress to the heifers.
- Heifers were AI bred. They were synchronized and time bred to GENEX SCHIEFELBEIN EFFECTIVE 61. Effective was selected based on CED of 15.0 for calving ease, BW of 2.1, WW of 44, and YW of 83 all having high accuracies that should provide high quality uniform calf sizes. Effective promotes traits that reinforce animal disposition.

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<tbody>
<tr>
<td><strong>AI Service Sire</strong></td>
<td><strong>CED</strong></td>
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<tr>
<td>Schiefelbein Effective 61</td>
<td>15</td>
</tr>
<tr>
<td>Angus: 17065105</td>
<td>(.81)</td>
</tr>
</tbody>
</table>
Patrick Gegg
7956 Old Coffman Rd.
Farmington, MO 63640
(573) 760-4448

28 Crossbred Heifers
- 13 Black
- 8 Red-white-face
- 6 Black-white-face
- 1 Grey

- 9 Black and 3 black-white-face AI bred to Connealy Front & Center due 2/28/19, 7 male and 5 female pregnancies.
- 4 Red-white-face AI bred to Andras Fusion due 2/28/19, 1 male and 3 female pregnancies.
- 4 Black, 3 black-white-face, 4 red-white-face and 1 grey natural bred due 3/22/19 to 4/23/19, 3 male, 3 female and 6 unknown pregnancies.

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<tbody>
<tr>
<td><strong>AI Service Sire</strong></td>
<td><strong>CED</strong></td>
</tr>
<tr>
<td>Connealy Front &amp; Center Angus: 17029809</td>
<td>16</td>
</tr>
<tr>
<td>(.75)</td>
<td>(.88)</td>
</tr>
<tr>
<td><strong>AI Service Sire</strong></td>
<td><strong>CED</strong></td>
</tr>
<tr>
<td>Andras Fusion R236 Red Angus: 1506931</td>
<td>16</td>
</tr>
<tr>
<td>(.81)</td>
<td>(.92)</td>
</tr>
<tr>
<td><strong>Natural Service Sire</strong></td>
<td><strong>CED</strong></td>
</tr>
<tr>
<td>HVR Infinity 4104 Angus: 18004899</td>
<td>10</td>
</tr>
<tr>
<td>(.25)</td>
<td>(.35)</td>
</tr>
</tbody>
</table>
Graham Family Farm
Kenny & Sheri Graham
7956 Old Coffman Rd.
Farmington, MO 63640
(573) 760-4448

28 Angus Crossbred Heifers
- 20 Black
- 8 Black-white-face

- 14 Black AI bred to Connealy Uptown due 2/26/19, 4 male and 10 female pregnancies
- 8 Black & black-white-face natural bred due 3/13/19 to 4/27/19, 3 male, 1 female and 4 unknown pregnancies.
- 6 Black-white-face AI bred to Connealy Uptown due 2/26/19, 6 male pregnancies.
- 5 Tier II heifers all sired by PA PowerTool. He is a high-accuracy proven sire that ranks in the top 15% of the breed for calving ease and docility, top 2% for marbling and top 1% for $Wean.
- The AI service sire Connealy Uptown ranks in the top 30% of the Angus breed for 12 EPDs and indexes.
- Natural service sires are genomic tested for higher accuracy EPDs.

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<tr>
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<tbody>
<tr>
<td>AI Service Sire</td>
<td>CED</td>
</tr>
<tr>
<td>Connealy Uptown 098E</td>
<td>12</td>
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<tr>
<td>Angus: 16896296</td>
<td>(.74)</td>
</tr>
<tr>
<td>Natural Service Sire</td>
<td>CED</td>
</tr>
<tr>
<td>LF Complement 501</td>
<td>9</td>
</tr>
<tr>
<td>Angus: 18246275</td>
<td>(.34)</td>
</tr>
<tr>
<td>LF Complement 502</td>
<td>10</td>
</tr>
<tr>
<td>Angus: 18246276</td>
<td>(.35)</td>
</tr>
</tbody>
</table>
3 Crossbred Heifers

- 1 Black-white-face
- 2 Red-white-face

- 1 Black-white-face natural bred due 3/7/19, unknown pregnancy.
- 2 Red-white-face natural bred due 4/30/19, unknown pregnancy.
- The black-white-face heifer is an Angus cross and the red-white-face heifers are polled Hereford crosses.

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</thead>
<tbody>
<tr>
<td>AI Service Sire</td>
<td>CED</td>
</tr>
<tr>
<td>R B Resolute 1844</td>
<td>10</td>
</tr>
<tr>
<td>Angus: 16984187</td>
<td>(.69)</td>
</tr>
<tr>
<td>Natural Service Sire</td>
<td>CED</td>
</tr>
<tr>
<td>Circle A Windy 5121</td>
<td>12</td>
</tr>
<tr>
<td>Angus: 18193083</td>
<td>(.23)</td>
</tr>
</tbody>
</table>
Turner Farms
Jon & Mary Ann Turner
10511 St. Hwy JJ
Belgrade, MO 63622
(573) 766-5361
https://turnerangus.farm/

- Both heifers are Registered Black Angus and have been Angus-GS genomic tested. They have been AI’d and then pasture exposed to Turner Farms Straight 7-305. Both pregnancy checked AI bred.

- One daughter of Briarwood Mr Bismarck 5014; AI bred to Barstow Bankroll B73; due 1/28/19; fetal sexed bull calf

- One daughter of Briarwood Mr Bismarck 5014; AI bred to SydGen Black Pearl 2006; due 1/28/19; fetal sexed heifer calf.

- Both heifers are genomic tested and qualify as Show-Me-Plus.

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</thead>
<tbody>
<tr>
<td><strong>AI Service Sire</strong></td>
<td><strong>CED</strong></td>
</tr>
<tr>
<td>Barstow Bankroll B73</td>
<td>15</td>
</tr>
<tr>
<td>Angus: 18036327</td>
<td>(.74)</td>
</tr>
<tr>
<td><strong>AI Service Sire</strong></td>
<td><strong>CED</strong></td>
</tr>
<tr>
<td>SydGen Black Pearl 2006</td>
<td>12</td>
</tr>
<tr>
<td>Angus: 17236055</td>
<td>(.70)</td>
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</tbody>
</table>

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12 Angus Crossbred Heifers
- 8 Black
- 4 Grey

- 3 Black AI bred to Mill Bar Hickok 7242 due 3/1/19, 3 male female pregnancies.
- 3 Grey AI bred to Mill Bar Hickok 7242 due 3/1/19, 2 male and 1 female pregnancy.
- 5 Black natural bred to Turner Farms Weigh Up due 3/20/19 to 4/24/19, 1 male and 4 female pregnancies.
- 1 Grey natural bred to Turner Farms Weigh Up due 3/20/19, 1 female pregnancy
- 3 Black heifers are Tier 2 out of the Angus sire Deer Valley All In.

<table>
<thead>
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<th>Service Sires</th>
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</thead>
<tbody>
<tr>
<td><strong>AI Service Sire</strong></td>
<td><strong>CED</strong></td>
</tr>
<tr>
<td>Mill Bar Hickok 7242</td>
<td>14</td>
</tr>
<tr>
<td>Angus: 17351674</td>
<td>(.79)</td>
</tr>
<tr>
<td><strong>Natural Service Sire</strong></td>
<td><strong>CED</strong></td>
</tr>
<tr>
<td>Turner Farms Weigh Up 4-752</td>
<td>8</td>
</tr>
<tr>
<td>Angus: 18134139</td>
<td>(.24)</td>
</tr>
</tbody>
</table>
Participating Show-Me-Select Veterinarians

Dr. Jill Able
2094 Hwy 100
Hermann, MO 65041
573-486-2515

Dr. Justin Berger
1854 Hwy 72E
Rolla, MO 65401
573-364-7100

Dr. Andre Oberle
4730 Flat River Rd.
Farmington, MO 63640
573-756-9400

Dr. Dallas Wilson
9400 Jim Wilson Rd.
Dittmer, MO 63023
573-289-4451

Participating Show-Me-Select Consignors

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