Missouri Show-Me-Select Replacement Heifers

NORTH CENTRAL MISSOURI

SHOW-ME-SELECT BRED HEIFER SALE

KIRKSVILLE LIVESTOCK

DV Auction

FRIDAY, DECEMBER 11, 2026
6:30 P.M.

KIRKSVILLE LIVESTOCK, LLC
24295 Benton Road, Kirksville, MO

Consignors

E&A Belgian & Cattle Farm,
Ernest Girod, Corydon, IA
David Clark, Edina, MO
David Hill, Kirksville, MO
Ivan Lamar Martin, Memphis, MO
Ivan Martin, Memphis, MO
Galaxy Beef, Macon, MO
VanWye Red Angus, Lancaster, MO



MU Extension
University of Missouri

an equal opportunity/ADA institution

FOR MORE INFORMATION CONTACT
Zac Erwin, MU Extension Field Specialist in Livestock
660-665-9866 or erwinz@missouri.edu

Extension
University of Missouri

Missouri Show-Me-Select Replacement Heifers

KIRKSVILLE LIVESTOCK

Dear Prospective Buyers and Guests:

Welcome to the 20th North Central Missouri Show-Me-Select Replacement Heifer Sale. We're excited to host our sale at Kirksville Livestock, LLC in Kirksville, Missouri on Friday, December 11 at 6:30 pm. Participating producers, along with the assistance of their veterinarians and regional and state extension specialists, have worked hard this past year to bring you a fantastic offering of bred heifers.

CONTINUING THIS YEAR... VOLUME BUYER TRUCKING... If you purchase 10 or more bred heifers, we will truck them up to **100 miles** from Kirksville Livestock, **FREE!!!!** Heifers will be delivered on Saturday, December 12, unless other arrangements are made. For destinations over 100 miles from Kirksville Livestock, the buyer will be charged $5.50 per loaded mile for every mile over 100 miles. Trucking is provided by the consigners.

Auction internet broadcast and live online bidding with **DV Auction.**

This sale brings you an outstanding line-up of Angus, Red Angus and a few Black White Face, Charolais and Simmental-cross Show-Me-Select heifers from north central and northeast Missouri. The Show-Me-Select program is a thorough and proven program designed to develop a bred heifer that is a fertile, productive female who should stay a productive member of your cowherd for many years.

This is an outstanding set of heifers. Many of the heifers have years of performance testing behind them and are out of top performance tested bulls. All the heifers in the sale have been tested and are negative for PI BVD. Heifers with blemishes and disposition problems have been culled.

Nationwide the percentage of two-year old's requiring assistance at calving is close to 20%. Producers who purchased SMS heifers in the past reported having to assist only 8% of the heifers at calving. Eighty-eight percent of these same heifers calved within two weeks of their projected due dates.

There are 145 black, black-white face, red and red-white face heifers consigned to this sale. The heifers consigned in the sale are bred to Angus and Red Angus bulls. Many of them are bred A.I. to some of the most popular sires in the breed.

If you have questions, feel free to call the consignors or myself. We greatly appreciate your interest in the sale and look forward to seeing you on Friday, December 11th.

Sincerely,

Zac Erwin
University of Missouri Extension
Field Specialist in Livestock/NC SMS Sale Coordinator
erwinz@missouri.edu
(660) 665-9866

Chuck Ambrosia
Kirksville Livestock, LLC
24295 Benton Road, Kirksville, MO
660-342-3530 kirksvillelivestock.com
Auctioneer: Brian Curless

An equal opportunity/access/affirmative action/pro-disabled and veteran employer.

Basic Program Requirements

- Heifers have met minimum standards for reproductive soundness, pelvic size, body condition and weight, and are free of blemishes.
- Heifers have been bred to bulls meeting strict calving ease/birth weight EPD requirements.
- A strict immunization program has been followed.
- Heifers will calve from late January to May 1. Many have been synchronized and will calve in a short time period.

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

SHOW-ME-SELECT® PROGRAM PARTNERS

University of Missouri Extension
University of Missouri College of Agriculture, Food & Natural Resources (CAFNR)
University of Missouri College of Veterinary Medicine
Missouri Cattlemen's Association **Missouri Livestock Market Association**
Missouri Veterinary Medical Association **Missouri Department of Agriculture**

SALE PROCEDURE

The sale order is determined by the producer sale committee. Heifers will be sold in uniform lots, sorted according to breed type, size and calving dates. Heifers selling together are expected to calve within a 45-day period. 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 Kirksville Livestock, LLC and are to be settled before loading the cattle.

GUARANTEE

All heifers are 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 even if AI bred on the same day. Any heifer found open (by an accredited veterinarian) will be refunded by the consignor. All guarantees are made by the consignor of the cattle and not the sale committee, Adair County MU Extension or Kirksville Livestock, LLC. Calves of Show-Me-Select Replacement Heifers are warranted to be free of genetic defects for a period of six (6) months from date of purchase. Heifers that give birth to an affected calf (exhibits the genetic defect), which is subsequently proven by diagnostic lab or DNA testing to be a genetic defect will have the full purchase price of the heifer plus the DNA testing charge refunded to the buyer by the seller. Please refer to the Show-Me-Select Replacement Heifer Programs terms and conditions for complete guarantee details.

TAGS

A special tag that carries the "Show-Me-Select"® trademark and name identifies all heifers in the sale. This tag signifies that the heifers have met all 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.

HEALTH

Necessary health papers will be available on all heifers after the sale. All heifers have tested negative for BVD-PI.

VanWye Red Angus, Lancaster, MO (309) 212-4838

- 4 heifers are Registered Red Angus.
- Heifers carry genetics from progressive, popular sires, and cow families.
- Gentle, moderate framed females that should make excellent cows.
- Calving dates: NS: 4/1-4/6

Service Sires	Expected Progeny Differences (EPDs)								
NATURAL SERVIC SIRE	*CED*	*BW*	*WW*	*YW*	*Milk*	*CW*	*Mrb*	*REA*	*Fat*
LSF Identity 4150M *(Red Angus) 4909566*	**+15** *(.47)*	**-4.4** *(.50)*	**+84** *(.46)*	**+127** *(.47)*	**+31** *(.23)*	**+26** *(.41)*	**+.55** *(.41)*	**+.24** *(.39)*	**+.00** *(.37)*

David Hill, Kirksville, MO (832) 212-3643

- 4 Heifers. Home raised, hand-fed, slowly developed on fescue pasture. Never rushed.
- Great Dispositions. Multi-year consignor. 3 BWF and 1 Blk.
- Pasture bred to a son of G.A.R. Ashland with CE 16.
- 3 heifers go back to Simmental bull "Yardley Utah" who is known for structural soundness and maternal traits. On the Angus side, they have Connealy Consensus and/or Buford Pathfinder in their pedigree.
- Heifers DNA confirmed to their sires and have GE EPDs.
- Calving date: NS: 4/4

Service Sires	Expected Progeny Differences (EPDs)								
NATRUAL SERVICE SIRE	*CED*	*BW*	*WW*	*YW*	*Milk*	*CW*	*Mrb*	*REA*	*Fat*
Sampson Ashland 250 *(Angus) 20769851*	**+16** *(.37)*	**-2.8** *(.56)*	**+74** *(.48)*	**+139** *(.43)*	**+30** *(.36)*	**+69** *(.42)*	**+1.13** *(.40)*	**+.89** *(.39)*	**+.012** *(.38)*

E&A Belgian & Cattle Farm, Ernest Girod, Corydon, IA (636) 284-9917

- 20 fancy Angus/Simmental cross heifers.
- Front pasture kind, hand fed, exposed daily to adults and children. Excellent disposition.
- These Heifers have been genomically tested and are qualified for Show-Me Plus!
- Had first round scour boss and all pre-breeding shots.
- All naturally serviced by calving ease Angus bulls.
- Pregnancy confirmed with ultrasound and will be grouped for a very tight calving window.
- Developed to stay profitable for a long time, will be above average milkers, appreciate the Quality here!
- Calving dates: NS: 2/2-4/8

Service Sires	Expected Progeny Differences (EPDs)								
NATURAL SERVICE SIRES	*CED*	*BW*	*WW*	*YW*	*Milk*	*CW*	*Mrb*	*REA*	*Fat*
Hoffman Justify 4070 *(Angus) 20971672*	**+10** *(.35)*	**-.5** *(.52)*	**+86** *(.43)*	**+155** *(.39)*	**+32** *(.34)*	**+78** *(.37)*	**+.87** *(.36)*	**+.98** *(.35)*	**+.032** *(.33)*
Mead Rise Above *(Angus) 21337326*	**+12** *(.39)*	**+.1** *(.56)*	**+92** *(.48)*	**+149** *(.43)*	**+39** *(.31)*	**+72** *(.40)*	**+.35** *(.38)*	**+1.23** *(.37)*	**-.060** (.35)
Panther Creek Rise Above *(Angus) 21475054*	**+11** *(.36)*	**-1.7** *(.56)*	**+84** *(.47)*	**+141** *(.43)*	**+35** *(.33)*	**+78** *(.39)*	**+.82** *(.36)*	**+.80** *(.35)*	**+.014** *(.33)*

David Clark, Edina, MO (660) 216-1107

- 15 fancy Angus, Angus cross and Red Angus cross heifers. Mostly black and a few BWF and Reds.
- Synchronized and FTAI then turned with natural service sires.
- Excellent disposition.
- Reputation set of heifers from a multi-year SMS consigner.
- Calving dates: AI: 2/12; NS: 2/27 to 4/3

Service Sires	Expected Progeny Differences (EPDs)								
AI SERVICE SIRE	***CED***	***BW***	***WW***	***YW***	***Milk***	***CW***	***Mrb***	***REA***	***Fat***
Connealy Guard Rail 923E	**+13**	**-2.8**	**+63**	**+107**	**+28**	**+46**	**+.77**	**+.47**	**+.024**
(Angus) 19829215	*(.78)*	*(.90)*	*(.87)*	*(.80)*	*(.64)*	*(.65)*	*(.60)*	*(.61)*	*(.57)*
NATURAL SERVICE SIRES									
TBK Pathfinder 0051	**+12**	-.4	**+51**	**+97**	**+32**	**+40**	**+.47**	**+.64**	**+.050**
(Angus) 21355972	*(.32)*	*(.55)*	*(.47)*	*(.39)*	*(.32)*	*(.36)*	*(.32)*	*(.31)*	*(.29)*
TBK B&B Pathfinder	**+12**	**-.2**	**+61**	**+113**	**+28**	**+49**	**+.77**	**+.54**	**+.052**
(Angus) 21065988	*(.33)*	*(.55)*	*(.46)*	*(.36)*	*(.32)*	*(.36)*	*(.33)*	*(.31)*	*(.29)*

Galaxy Beef, Randy Miller, Macon, MO (660) 415-6339

- 50 head. Mostly commercial Angus and a few Red Angus and Charolais Cross Heifers.
- All heifers raised and bred in north central Missouri and fescue tolerant.
- Red and Charolais cross heifers bred to Red Angus Bulls. BWF heifers bred to Galaxy Angus Bulls.
- Sorted for quality and disposition. Will sell in uniform packages with narrow calving windows.
- Bred to excellent calving ease bulls with added carcass and growth traits.
- Calving dates: NS: 1/15-3/5

Service Sires	Expected Progeny Differences (EPDs)								
NATURAL SERVICE SIRES	***CED***	***BW***	***WW***	***YW***	***Milk***	***CW***	***Mrb***	***REA***	***Fat***
Galaxy Legacy 4450	**+12**	**+1.3**	**+77**	**+139**	**+29**	**+69**	**+.93**	**+1.04**	**-.001**
(Angus) 21101739	*(.31)*	*(.50)*	*(.41)*	*(.35)*	*(.28)*	*(.35)*	*(.34)*	*(.32)*	*(.30)*
Galaxy Grant 5065	**+12**	**+0**	**+83**	**+151**	**+30**	**+66**	**+1.10**	**+.77**	**+.038**
(Angus) 21286001	*(.36)*	*(.53)*	*(.45)*	*(.39)*	*(.30)*	*(.37)*	*(.36)*	*(.34)*	*(.32)*
Galaxy Remington 5259	**+9**	**-.1**	**+78**	**+129**	**+39**	**+63**	**+1.54**	**+.56**	**+.050**
(Angus) 21394160	(.35)	(.52)	(.44)	(.39)	(.33)	(.37)	(.36)	(.34)	(.32)
NGN Wideload N21	**+14**	**-1.9**	**+63**	**+98**	**+22**	**+15**	**+.47**	**+.13**	**+.01**
(Red Angus) 5204815	*(.28)*	*(.34)*	*(.30)*	*(.29)*	*(.23)*	*(.21)*	*(.18)*	*(.20)*	*(.16)*
BRAX Leading Edge 2150	**+14**	**-1.5**	**+72**	**+113**	**+29**	**+33**	**+.60**	**-.02**	**+.04**
(Red Angus) 4590015	*(.43)*	*(.46)*	*(.45)*	*(.45)*	*(.21)*	*(.39)*	*(.37)*	*(.36)*	*(.32)*

Ivan Martin, Jr. Memphis, MO (660) 216-3770

- 25 fancy Black, BWF heifers.
- Developed on fescue, hand fed but not pushed.
- Home raised or purchased from reputation local cattlemen.
- All heifers selling will be confirmed AI bred.
- Synchronized and bred FTAI.
- Calving dates: AI: 2/16

Service Sires	Expected Progeny Differences (EPDs)								
AI SERVICE SIRES	*CED*	*BW*	*WW*	*YW*	*Milk*	*CW*	*Mrb*	*REA*	*Fat*
FHCC Majority 1551 *(Angus) 20119568*	**+10** *(.76)*	**-.5** *(.92)*	**+73** *(.88)*	**+136** *(.77)*	**+41** *(.36)*	**+69** *(.51)*	**+1.93** *(.46)*	**+.79** *(.47)*	**+.021** *(.42)*

Ivan Martin, Memphis, MO (660) 341-9018

- 25 fancy Black, BWF heifers.
- Developed on fescue, hand fed but not pushed.
- Home raised or purchased from reputation local cattlemen.
- All heifers will be sorted for narrow calving windows.
- Synchronized and bred FTAI. Then turned with Natural Service Bull
- Calving dates: AI: 2/14, NS: 2/28-4/4

Service Sires	Expected Progeny Differences (EPDs)								
AI SERVICE SIRES	*CED*	*BW*	*WW*	*YW*	*Milk*	*CW*	*Mrb*	*REA*	*Fat*
BAR Dynamic *(Angus) 19923789*	**+14** *(.89)*	**-2.4** *(.96)*	**+91** *(.95)*	**+155** *(.92)*	**+25** *(.78)*	**+61** *(.60)*	**+1.18** *(.55)*	**+.75** *(.56)*	**+.027** *(.51)*
NATURAL SERVICE SIRES									
BCA Volunteer 5034 *(Angus) 21412424*	**+13** *(.34)*	**+.4** *(.51)*	**+74** *(.44)*	**+123** *(.39)*	**+37** *(.35)*	**+72** *(.38)*	**+1.09** *(.37)*	**+1.17** *(.36)*	**-.026** *(.34)*



Requirements for Heifers in the 2026 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 cm^2 pre-breeding or 180 cm^2 at pregnancy examination, be a minimum body condition score of 5 and a maximum of 8 on sale day, and meet established health guidelines.

Fall 2025:

- 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.

Spring 2026:

- 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.

Fall 2026:

- 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.

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:

Calving Ease (equal to or greater than)			
Angus	7.0	Limousin	14.0
Balancer	14.0	Hereford	7.0
Charolais	15.6	Red Angus	14.0
Gelbvieh	14.0	SimAngus	14.0
LimFlex	14.0	Simmental	14.0

Tier 2 classification: Heifers will be eligible to qualify for Tier 2 in the Show-Me-Select Replacement Heifer Program based on the following minimum accuracies of the heifer's sire at the time of sale for the respective traits listed at right.

Trait	**Accuracy**
Calving ease (direct)	.65
Calving ease (maternal)	.30
Weaning weight	.75
Carcass Weight	.20
Marbling	.20

Managing Your Show-Me Select Replacement Heifers

Your investment in Show-Me-Select replacement signifies a commitment to improving the genetic quality and reproductive efficiency of your beef herd. Replacement heifers require specialized care and management until they enter the breeding herd as mature cows. To protect your investment, you may find the following guidelines helpful.

Targets

At the time of purchase, your heifers will weigh approximately 75 to 85% of their mature weight with a minimum body condition score of 5.

- Heifers should reach 85% of their mature weight by first calving.
- Heifers should calve and begin lactating at a body condition score of 6.
- In order to reach these targets on schedule, heifers should be fed to gain between 0.5 to 0.75 per day minimum from now until calving.

Nutritional Management from Purchase to First Calving

Gains of the desired magnitude can be a challenge during winter months. Additionally, heifers are then entering the final trimester of pregnancy when a majority of fetal growth occurs. To ensure heifers enter calving season at the proper target weight and body condition several things are required.

- Heifers should be maintained separately from older animals if at all possible. This is necessary to minimize undesirable social interaction at the feed bunk, water tank, and mineral feeder.
- Diets should meet certain nutritional standards. Crude protein of the diet should be 12.5 to 13%. Net energy for maintenance and gain should be approximately 0.65 and 0.32 Mcal/lb, respectively. These energy levels are roughly equal to 60% dietary TDN.
- Good-quality trace mineral salt and vitamin supplement should be made available and be offered free choice or mixed with another component of the diet.
- Body condition of heifers should be monitored. Heifers should not lose or gain more than 1 body condition score from now until calving. A change in 1 body condition score reflects a net weight gain or loss of approximately 80 pounds.

Nutritional Management from Calving through Breeding

In many cases, pasture will allow acceptable performance during the spring and early summer. Proper supplementation of trace minerals and vitamins remain a critical feature of management during this period, but energy deficiencies are more likely to create problems with re-breeding. Body condition must be monitored to determine if supplemental feeding is necessary. Failure to provide supplemental energy, if needed, can delay the onset of cycling, lengthen the time from calving to 1st heat post-calving and potentially result in decreased pregnancy rate.

Examples of energy supplements suitable for heifers during early lactation include: high-quality forages, cracked corn, soybean hulls or corn gluten feed fed at varying amounts according to condition and weight gain desired. Proper pre- and post-calving nutritional management of your Show-Me-Select replacement heifer should ensure successful re-breeding. Consult your local university extension professional and/or veterinarian for nutritional counseling, should you have any questions.

USING THE CATALOG EPD INFORMATION

Expected Progeny Differences (EPDs) provide the best means of comparing genetic merit of animals within the breed. For each trait evaluated, the EPD incorporates the animals within the breed. For each trait evaluated, the EPD incorporates the animal's individual and progeny performance with progeny performance information from other relatives.

By utilizing national sire evaluation information, the evaluation also utilizes information from related traits and accounts, in part, for differences in the genetic merit of herd mates as well as genetic trends within the breed. Each trait evaluation predicts expected progeny performance relative to a fixed breed average - hence the term "Expected Progeny Difference." The key word is "difference". The EPD itself does not imply "good" or "bad" performance, only whether the performance of progeny is expected to be above or below that of progeny from average parents.

Breeders should, on an individual basis, decide what is best for them by considering what traits are important to their program, their current herd performance, and the degree of change desired.

Example:

Service Sires	Expected Progeny Differences (EPDs)								
AI SERVICE SIRE	***CED***	***BW***	***WW***	***YW***	***Milk***	***CW***	***Mrb***	***REA***	***Fat***
Lucky Strike 147G	**+11**	**1.4**	**+53**	**+81**	**+14**	**+21**	**+.40**	**+1.04**	**-.04**
(Black Simmental)	(*.94)*	*(.95)*	*(.95)*	*(.95)*	*(.93)*	*(.61)*	*(.83)*	*(.83)*	*(.83)*

Accuracy (acc): A measure of certainty regarding the EPD evaluation for a performance trait. Accuracy is reported as a decimal number between zero and one; larger values indicate greater accuracy and more certainty that the EPD will not change significantly as additional progeny information is obtained. Accuracy values of less than .20 are typical for non-parent bulls.

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.

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.

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, which is 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.

Interim EPD (I): An "I" indicates an interim EPD, which is an average of the parents' EPD, plus whatever information is available for the animal. The animal does not have official National Cattle Evaluation EPDs.

Fall 2026 Breed EPD Averages for Current Sires									
Breed	***CED***	***BW***	***WW***	***YW***	***Milk***	***CW***	***Mrb***	***REA***	***Fat***
Angus	+6.0	+1.2	+67	+118	+26	+52	+.69	+.66	+.020
Red Angus	+13.0	-1.8	+68	+108	+26	+23	+.44	+.13	+0.02
Simmental Hybrid	+11.6	+0.0	+78	+121	+24.2	+37.6	+.41	+.69	-.03