

SHOW-ME-SELECT™

REPLACEMENT HEIFER SALE

250 Crossbred & Purebred Heifers

May 21, 2021 at 7 PM

Joplin Regional Stockyards I-44 East of Carthage, MO at Exit 22

Video preview and sale may be viewed at www.joplinstockyards.com

On-line bidding and approval must be arranged in advance along with bank approval.

- ✓ To create an account go to www.joplinstockyards.com click on Live Auction then register and fill out banking information. At least 2 days prior to sale.
- ✓ Any questions and/or approval call 417-548-2333 and ask for Dustin, Misti, or Clay.

Breeds & crosses include: Herefords, Angus, Gelbvieh, Red Angus, Balancer, SimAngus and Beefmaster.

About 40% are black, 30% are black whiteface, 30% are red.

Many are synchronized and AI bred. A few Tier Two and Show-Me-Plus heifers are in the offering. See enclosed requirements for SMS heifer details.



Program Requirements:

- ❖ Heifers have met minimum standards for reproductive soundness, pelvic size, body condition and weight and are free of blemishes.
- ❖ Heifers bred to bulls meeting strict calving ease or birth weight EPD requirements.
- ❖ A strict immunization program has been followed including official Brucellosis calfhood vaccination. Heifers are tested and found negative for PI BVD.
- ❖ Heifers will calve from late August to November 30 and were preg checked within 30 days of the sale.

John Wheeler, Marionville
Kathy Wheeler, Marionville
Marvin Phipps, Cassville
Mast Farms, Lamar
Kunkel Farms, Neosho

2021 Consignors Include:

Robert Miller, Aurora
Aspen Ridge, LLC, Carthage
Meadowlyn Farm, Cassville
Jeffrey Stevens, Seymour
Sam Schaumann, Billings

Rector Farms, Rogersville
Hounsshell Farms, Stark City
Ali Henderson, Purdy
Ronnie & Debbie Choate
Hunter Lane Cattle Co.

For information contact:

Eldon Cole (417) 466-3102 or email colee@missouri.edu

Sponsored by:

Missouri "Show-Me-Select" Replacement Heifers, Inc., Division of Animal Sciences, Southwest Missouri Beef Cattle Improvement Association in cooperation with University of Missouri Extension, College of Veterinary Medicine, Missouri Cattlemen's Association and Missouri Department of Agriculture.

For more information, please visit:

<https://extension2.missouri.edu/programs/show-me-select-replacement-heifer-program>

GENERAL SALE INFORMATION

Auctioneer
- Jackie Moore
Sale Agent - Joplin Regional Stockyards

SALE PROCEDURE

The sale order as shown in the catalog is determined by consignors drawing for a position in the sale rotation. Each consignor selects heifers to sell in each rotation. Heifers are sold in uniform lots, usually 3 to 8 per lot, sorted according to breed type, and size. Heifers in a lot are expected to calve within a 45-day period. Heifers become the property of the buyer immediately after the sale. Each animal will be at the buyer's risk as soon as sold. The consignor will aid in the loading of the cattle on instructions from the buyer, but at the buyer's risk. No cattle will be loaded until the conclusion of the sale. Financial transactions will be conducted by the sale agent and are fully completed before loading. Health papers to go to any state will be available on all heifers after the sale.

GUARANTEE

All heifers are guaranteed bred and are guaranteed to remain pregnant for 30 days from the sale date. Calving dates are approximate. Females can range two weeks or more around a projected calving date even if they were A.I. bred on the same day. **The consignor will refund the purchase price or replace the heifer with one of similar value if a heifer is found to be open within 30 days of the sale by a veterinarian.** All guarantees are made by the consignor and not the Southwest Missouri Beef Cattle Improvement Association or other organizations or individuals involved in the sale. In case the buyer and seller are unable to reach an agreement over a heifer, an arbitration committee can be asked to hear both sides and render a decision.

TAGS

A special tag that carries the "Show-Me-Select"TM 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"TM replacement heifer program. Some heifers will carry a white Show-Me-Select tag. This identifies them as Tier Two heifers. Note a complete description of them in the requirements section of this catalog. The Show-Me-Plus Heifer designation is for heifers tested with a genomic prediction panel approved by University of Missouri Extension. No special tags used at this time.

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.

Missouri Cattlemen's Association
Lawrence County Extension Center
University of Missouri Extension & Engagement
Cedar County Extension Center

MU College of Veterinary Medicine
Missouri Department of Agriculture
Jasper County Extension Center
Joplin Regional Stockyards

****NOTICE TO ALL BUYERS****

All heifers in this sale have been Brucellosis calfhood vaccinated in accordance with state and federal regulations. Necessary health papers will be available on all heifers after this sale. All heifers have been tested for PI BVD and found negative.

Calves of Show-Me-Select 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.

Requirements for Heifers in the 2021 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 less than established birth weight EPD maximums, have a minimum pelvic area of 150 cm² 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.

Bred Heifers:

Spring 2020:

- ◆ All heifers must be calthood 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.

Fall 2020:

- ◆ 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.
- ◆ AI or Natural Bred.
- ◆ Internal and external parasites are controlled as needed.

Winter/Spring 2021:

- ◆ 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 the day before the sale by a screening committee to eliminate blemishes. (scarred eyes, frozen ears, short tails, rat tails.) They must have a muscle score of at least a 2, a minimum Medium frame score, a body condition score of 5 through 8 and weigh at least 800 pounds and not have an undesirable disposition.

Heifers must be bred to bulls with calving ease EPD's not greater than the guidelines for their breed 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.

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 individual and 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 trend 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.

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 show greater accuracy and more certainty that the EPD will not change significantly as additional progeny information is obtained. If you do not want to bear the risk, use animals with an accuracy of .9 or higher.

Birth Weight EPD (BW): The expected differences 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 (CE): The ease with which a bull’s calves are born to first-calf heifers. When comparing two bulls, the larger EPD indicates a higher percent of unassisted births for calves sired by this bull.

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 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.

Calving Ease Maternal (CEM): Higher values indicates greater calving ease in first-calf daughters.

Spring 2021 Breed EPD Average’s for Current Sires Within Breed

Breed	CED	WW	YW	Milk	CEM
<i>Angus</i>	6	56	99	25	8
<i>Red Angus</i>	12	61	97	25	7
<i>Gelbvieh</i>	12	67	96	20	6
<i>Balancer</i>	13	70	106	19	7

**EPDs are current as of March 2021. Some calving ease EPDs may now be below the 2020 Show-Me-Select Minimums shown in the front of the catalog, but were within the guidelines at breeding time.*

Managing Your Show-Me-Select Replacement Heifers

Your investment in Show-Me-Select replacement heifers 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 9 to 10%. Net energy for maintenance should be approximately 0.52 to 0.59 Mcal/lb. These energy levels are roughly equal to 55 to 60% dietary TDN.
- ◆ Good-quality trace mineral salt and vitamin supplement should be made available and can 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, dried distillers grains 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 question.

ABBREVIATIONS:

AI	- ARTIFICIAL INSEMINATION
NAT	- NATURAL SERVICE
BW	- BIRTH WEIGHT EPD
CE	- CALVING EASE (DIRECT) EPD
WW	- WEANING WEIGHT EPD
M	- MILK EPD
YW	- YEARLING WEIGHT EPD
ACC	- ACCURACY
EPD	- EXPECTED PROGENY DIFFERENCE

***** SALE ROTATION IS AS FOLLOWS*****

John Wheeler, Marionville **417-839-4702**

30, black white-faced and black mottled-faced heifers; synchronized and AI bred to calve September 6; ultrasound preg checked; broke to electric fence in our rotational grazing system on fescue; will be given Scour Guard 4KC vaccine; our 34th SMS sale at Joplin Regional we've sold 1648 heifers since our first sale in 2003.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
AI – Mill Bar Hickok 7242	Angus	12/.88	66/.94	114/.91	25/.78

Marvin Phipps, Cassville marvinhipps01@outlook.com **417-846-3104**

34 black heifers; 20 are purebred Angus from Valley View Angus, Republic and Cox Farms, Cassville; 14 are Gelbviehs from Robert Paul, Washburn; synchronized and AI bred to calve September 11; cleanup due dates from September 21 to October 23 based on ultrasound preg check; fescue-based forage; 6th Show-Me-Select sale.

<u>Code-Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
AI – Basin Rainmaker 4404	Angus	9/.82	57/.91	107/.84	26/.45
AI – GAR Sure Fire	Angus	13/.92	56/.96	107/.94	29/.85
NS– Valley View Sure Fire 7135	Angus	11/.38	54/.47	98/.40	31/.34

Robert Miller, Aurora **417-229-3519**

12, home-raised, red and black Balancer crossed heifers; ultrasound preg checked; AI breeds due August 29, cleanup breeds due from September 16 to November 23; my 21st SMS sale at Joplin Regional Stockyards.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
AI – Brown Pacesetter Y7170	Red Angus	16/.77	62/.87	108/.87	32/.68
NS – HTFM Mr. Leader F831	Balancer	14/.40	62/.45	92/.45	24/.15

Sam Schaumann, Billings ssamps50@aol.com **417-425-0425**

16, home-raised, Red Angus/Simmental and a few Red Angus/Gelbvieh heifers; pasture bred and due to calve September 4 to 20; ultrasound preg checked; raised on fescue rotational grazing system with power fencing; our 25th SMS sale at Joplin Regional.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
NS – PCC WFF Draco 4511D	Red Angus	15/.20	38/.29	57/.27	24/.20

AZAD Cattle Co., Purdy ali_manurehappens@hotmail.com **417-489-8836**

7, red, home-raised, Beefmaster x Red Angus heifers; due to calve at two years; pasture bred to calve August 26 to November 21; the first Show-Me-Select sale for us.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
NS– Jacs RC Ten X C111	Angus	7/.35	53/.48	104/.43	25/.35

Aspen Ridge LLC, Paul Eckels, Carthage paul@aspenridge5.com **417-850-7306**

23, home born & raised, genomically-tested Show-Me-Plus Red Angus heifers – 16 red and 7 are black; AI bred to calve Sept 2nd; Natural service breeds due from Sept 16th thru October 26th; all bulls used are in top 20% of Red Angus breed EPDs for weaning weight, yearling weight & Herd Builder composite indices; ultra-sound preg-checked, rotational grazed on fescue with electric fencing; this SMS heifer offering was selectively chosen from calving class of 110 head; this is our 3rd SMS sale



<u>Code-Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
AI – Bieber CL Stockmarket E119	Red Angus	17/.68	70/.79	114/.77	24/.20
NS –DR Captain Z7257 D160	Red Angus	15/.42	70/.46	120/.47	24/.20

Ronnie & Debbie Choate, Pleasant Hope ronniechoate54@gmail.com **417-872-7560**

23, home-raised, Angus, Hereford, SimAngus cross heifers; raised livestock over 50 years transitioned from dairy in 2013 with a mixed beef cow herd that has been long-living and calve every 12 months; we've concentrated on AI with excellent EPD's; turning cow-calf operation over to three sons, Brad, Brent and Tyler; bred to calve September 27; cleanup bred's are due October 11 to November 30; our first Show-Me-Select sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS – SS Brickyard	Angus	16/.50	66/.65	128/.50	38/.32
NS – WRR Genuine 936	Angus	13/.34	53/.46	103/.42	25/.28

Hunter Lane Cattle Co., Pierce City puppydawg4you@yahoo.com **417-846-5722**

14, home-raised black white-faced Angus-cross heifers; AI bred to calve August 25; cleanup bred's due September 8 to October 25; electric fence broke; gentle raised on fescue; vaccinated with Stay Bred, pinkeye and Scour Bos 9; our 5th Show-Me-Select sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – GAR Sure Fire	Angus	13/.92	56/.96	107/.94	29/.85
NS– JKH Absolute Power 793	Angus	13/.32	49/.42	109/.36	38/.30

Dale Rector Farms, Rogersville kendallessary@gmail.com **417-838-6192**

25, home-raised, Angus cross; mostly black, black baldy and a few reds; ultrasound preg checked; AI bred's are due September 14, cleanup bred's are due from September 30 to November 30; our 3rd SMS sale at Joplin Regional.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – SAV Rainfall 6846	Angus	9/.86	56/.92	109/.87	25/.48
NS - DHT 106 Magnitude 459	Angus	15/.33	68/.41	115/.37	34/.28

Mast Farms, Lamar **417-214-4306**

15, home-raised, Gelbvieh-Angus cross heifers; due to calve at 24 months; all are black or black white-faced; hand fed and gentle; calving dates September 6 to October 11; our 26th Show-Me-Select sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Connealy Legendary 644L	Angus	10/.84	67/.92	111/.88	17/.45
NS– MR Newport Super Duty Mast 937D	Gelbvieh	13/.43	66/.45	96/.45	9/.24

Meadowlyn Farm, Eugene Dilbeck, Cassville meadowlynfarm@gmail.com **417-442-3318**

3, home-raised, Angus x Simmental cross, black heifers Tier Two sired by Cedar Ridge; bred naturally to calve September 15 to October 15; preg checked via ultrasound; Igenity Beef Genomic tested making them Show-Me-Plus; raised on novel fescue on our rotational grazing system with electric fencing; our 3rd SMS sale.



Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS– DHT 902 Rampage Right 210	Angus	8/.34	73/.43	122/.38	27/.33

Kunkel Farms, Dale Kunkel, Neosho kunkelfarms@netins.net **417-455-3597**

10, home-raised Red Angus heifers; genomically tested; synchronized and AI bred's are due on September 5; cleanup bred's are due from September 18 to October 26; preg checks are via ultrasound; we've received carcass data on 192 steers through the Missouri Steer Feedouts since 2007 in the most recent Feedout, 15 head graded 93% Choice and Prime; the Prime steer was the top profit steer among the 97 head; this is our 24th SMS sale.



Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – 9-Mile Franchise 6305	Red Angus	16/.79	55/.88	106/.89	44/.56
NS – Dunks Quest Gold 15	Red Angus	12/.42	54/.43	88/.42	19/.20

Hounsshell Farm, Stark City

hounsshell3b@gmail.com

417-825-6031

21, home-raised, many are Tier Two Angus and Angus cross heifers; Worthington Angus, Dadeville is our cleanup bull source for 8 years following our AI service, we use managed intensive grazing with power fencing; this improves our herds docility; we are BQA certified; the AI-bred heifers are due to calve on September 6; cleanup bred are due September 22 to October 7; these heifers are Method Genetics Tested and all are above the national average on these three indexes, Maternal Production Index, Quality Pounds Index and Retained Ownership Income.



Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – GAR Quantum	Angus	15/.73	67/.83	122/.76	35/.32
NS– Worthington Scale House 98	Angus	14/.34	74/.46	123/.42	30/.29

Jeffrey Stevens, Seymour

navymc36@gmail.com

417-996-9079 or 434-989-6944

3, home-raised, Red Angus heifers that were out of Kunkel's, Show-Me-Select heifers we bought at this sale; AI bred to calve September 27 to November 21; grass fed, our first SMS sale as a seller.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – 3SCC Domain A163	Red Angus	14/.80	62/.92	105/.92	21/.72

Kathy Wheeler, Marionville

417-839-4702

15, black white-faced and mottled faced heifers; pasture bred and due from September 20 to November 30; ultrasound preg checked: broke to electric fence in a rotationally-grazing system on fescue, will be given Scour Guard 4 KC vaccine. Our 34th sale having sold 1648 heifers through the SMS sales since 2003.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS – 2S Prophet 1533-1715	Angus	9/.38	75/.48	123/.40	30/.34
NS – BCC Rampage 6232	Angus	10/.35	61/.46	97/.41	26/.33