

SHOW-ME-SELECT™

REPLACEMENT HEIFER SALE

200 Crossbred & Purebred Heifers

November 19, 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, Limousin and SimAngus.

About 50% are black or black whiteface and 50% are Red Angus and Crosses.

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 February 1 to April 30 and were preg checked within 30 days of the sale.

Consignors Include

Kendra Kennedy, Neosho

Leon Luthi, Jasper

Greg Lenz, Everton

John Wheeler, Marionville

Kathy Wheeler, Marionville

Hunter Lane Cattle Co., Pierce City

Marvin Phipps, Cassville

Mast Farms, Lamar

Kunkel Farms, Neosho

Robert Miller, Aurora

Weber Cattle Co., Lamar

Rector Farms, Rogersville

Dichotomy Cattle Co.

Rocky Comfort

Ronnie & Debbie Choate,

Pleasant Hope

For information contact:

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colee@missouri.edu

Website: <http://www.swmobcia.com/>

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.

GENERAL SALE INFORMATION

Auctioneer
Moore Family
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 buyers 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:

Fall 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.

Spring 2021:

- ◆ 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.

Summer/Fall 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 (EPD) 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.

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

Breed	CED	WW	YW	Milk	CEM
<i>Angus</i>	6	57	101	25	8
<i>Red Angus</i>	12	61	98	25	7
<i>Balancer</i>	13	70	107	19	7
<i>Gelbvieh</i>	12	67	96	21	6
<i>Simmental</i>	10.7	76	113	23	5.7

**EPDs are current as of September 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*****

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

5, home-raised, black and red Gelbvieh, Red Angus and Angus crossed heifers; should calve at 24 months; raised on fescue; hand fed and gentle; AI bred on natural heat; our 27th Show-Me-Select bred heifer sale.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
AI – Connealy Legendary 644L	Angus	8/.85	73/.93	117/.89	24/.58
AI – Schuler Rebel 0029X	Red Angus	19/.79	63/.88	101/.89	39/.74
NS– MR Newport Sure Shot	Balancer	14/.42	72/.43	116/.43	23/.20

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

25, home-raised Angus and SimAngus cross heifers; AI bred to calve March 2; cleanup bred due March 16 to April 30; Heifers are gentle and electric fence broke; our 2nd 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>
AI – Conneally Mainstay Angus	Angus	10/.72	66/.87	122/.81	24/.41
AI – Stevenson Turning Point	Angus	19/.82	58/.90	99/.84	18/.55
NS – 2W1H Mr Sub Emblazon	Balancer	18/.39	68/.41	106/.42	25/.15

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

13, home-raised, Angus cross heifers, black and black baldy; ultrasound preg checked due to calve from March 2 to April 10. This is our 4th Show-Me-Select sale; we run on fescue with our rotational grazing system and hand feed daily; broke to hot wire.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
NS – RBM Johnny Cash H387	Angus	13/.34	56/.45	100/.38	32/.33

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

18, black and black white faced Sim Angus and Angus cross heifers; AI's due February 8; cleanups due February 22 to April 1; hand fed and gentle; raised on fescue with electric fencing; ultrasound preg checked and vaccinated with pinkeye and Scour Bos 9; our 6th SMS sale.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
AI – GAR Sure Fire	Angus	12/.92	55/.96	106/.94	29/.87
NS– JKH Absolute Power 793	Angus	14/.32	50/.42	109/.36	37/.30

Dichotomy Cattle Co. LLC, Rocky Comfort **justin@dichotomycattle.com** **479-721-2661**

23, home-raised, Red Angus heifers, Bieber Ranch genetics; 12 AI bred due February 9; 11 cleanup bred due from March 1 to April 15; docile and great mother prospects; our first Show-Me-Select sale.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
AI – Leland Marksman 6629	Red Angus	15/.72	61/.80	110/.80	41/.40
NS – Bieber Atomic H187	Red Angus	17/.43	62/.46	109/.47	26/.19

Kendra Kennedy, Neosho **kendra20Kennedy@gmail.com** **417-592-2799**

7, home-raised, Angus-cross heifers; raised on a rotational grazing system by a 23 year old college student; she has them broke to electric fencing; hand-fed by bucket and very gentle; all are AI bred due to calve February 5; my first Show-Me-Select sale.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>YW/Acc</u>	<u>Milk/Acc</u>
AI – MGR Treasure	Angus	12/.85	75/.93	143/.90	17/.73

Marvin Phipps, Cassville marvinphipps01@outlook.com **417-846-3104**

13, Angus and Angus-Gelbvieh heifers; all black; 9 are AI bred to calve February 27; cleanup bred due March 16 to March 31; preg check via ultrasound; 7th SMS sale.

Code-Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – MGR Treasure	Angus	12/.85	75/.93	143/.90	17/.73
AI – Schiefelbein Effective 61	Angus	17/.83	46/.91	87/.86	25/.78
NS – Valley View Sure Fire 7135	Angus	10/.38	57/.47	100/.40	31/.35

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

30, black white-faced and black mottled-faced heifers; synchronized and AI bred to calve February 12; ultrasound preg checked; rotational grazing system on fescue; will receive Scour Guard 4KC vaccine; the 35th sale and we've sold 1698 heifers since our first sale in 2003.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Mill Bar Hickok 7242	Angus	12/.89	67/.93	115/.92	24/.79

Greg Lenz, Everton greg_lenz@hotmail.com **417-818-2621**

9, home-raised on our farm, Angus, Red Angus and Hereford genetics; all our calves are offered a modified creep, bucket-fed in a creep corral; heifers are AI'd to calve February 25; service sire, Rainmaker, is an outcross pedigree stacked with generations of highly productive, functional long-lived mommas; after breeding, heifers are maintained on pasture with 2 to 3 pounds of grain on alternate days; first SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Basin Rainmaker 4404	Angus	8/.83	60/.91	110/.86	35/.47

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

8, home-raised, 4 red and 4 black, Gelbvieh cross heifers with a touch of Simmental; ultrasound preg checked; my 22nd Show-Me-Select heifer sale at Joplin Regional; due dates from February 19 to April 25.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS – Mr Leader F831	Balancer	14/.41	62/.45	92/.45	25/.14

Leon Luthi, Jasper **417-214-0419**

8, Limousin cross heifers, home-raised, 3 are red and 5 are black; AI bred due February 4 or 5; cleanup bred will calve February 20 to March 20; they are used to electric fencing; first Show-Me-Select sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Raven Powerball 53	Angus	10/.78	56/.91	105/.85	26/.73
NS – Hook's Hancock 307H	Simmental	15.8/.44	88/.45	132/.45	26/.28

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

10, black white-faced and black mottled faced heifers; pasture bred; due February 24 to April 30; ultrasound preg checked: rotationally-grazed on fescue with electric fences; will be given Scour Guard 4 KC vaccine. Our 35th sale and we've sold 1698 heifers since 2003.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS – 2 S Prophet 1533-1715	Angus	9/.38	76/.47	125/.40	31/.34
NS – BCC Rampage 6232	Angus	11/.35	62/.45	97/.41	25/.33
NS – DNT Shaded Tim 010	Angus	11/.31	58/.45	111/.40	26/.28

Weber Cattle, Jerry Weber, Lamar**weberjerry72@gmail.com****417-214-1570**

20, black Angus/Balancer heifers; AI bred due February 11; bull bred due February 25 to April 29; raised on fescue, rotation grazing system with electric fencing; good disposition; bucket-fed daily; have been worked with both dogs and horses; our 5th SMS Sale at Joplin.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Kramers Appollo 317	Angus	12/.78	58/.89	103/.83	35/.73
NS – Plainsman 7012E	Balancer	19/.51	56/.49	91/.50	17/.22

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

10, home-raised Red Angus; will be genomically tested and AI bred due to calve February 8; cleanup bred due from February 22 to April 25, ultrasound preg checked; steer mates graded 89% Choice in the recently completed Missouri Steer Feedout; our 25th SMS sale at Joplin Regional Stockyards.



Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Bieber CL Atomic C218	Red Angus	18/.76	70/.86	122/.86	31/.59
NS – Dunks Epic Quarterback 19	Red Angus	19/.42	51/.45	86/.44	27/.13
NS – Dunks Right Quarterback 19	Red Angus	16/.44	63/.46	105/.45	26/.16