

SHOW-ME-SELECT™

REPLACEMENT HEIFER SALE

330 Crossbred & Purebred Heifers

November 16, 2018 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 and LiveAuctions.tv on-line bidding may be arranged in advance.

Breeds & crosses include: Angus, Hereford, Gelbvieh, Red Angus, Simmental & Balancer.

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 mid January to April 30 and were preg checked within 30 days of the sale.



Consignors Include:

**John Wheeler, Marionville
Kathy Wheeler, Marionville
Denlow Valley Ranch, Norwood
Mast Farms, Lamar
Kunkel Farms, Neosho
Roger Draeger, Webb City**

**417 Produce, Mt. Vernon
Robert Miller, Aurora
Weber Cattle Co., Lamar
Mahan Farms, Pottersville
Gilmore Farms, Aurora**

**Mark McFarland, Stella
Tony Friga, Pomona
Circle S Chicks, Stark City
Goodnight Angus Farms, Carthage
Sam Schaumann, Billings**

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
- 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 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 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 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 2017:

- ◆ 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 2018:

- ◆ 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 2018:

- ◆ 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 birth weight or 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 2018 Breed EPD Average’s for Current Sires Within Breed

Breed	BW/CED	WW	YW	Milk	CEM
<i>Angus</i>	<i>1.3/6</i>	<i>51</i>	<i>90</i>	<i>24</i>	<i>9</i>
<i>Red Angus</i>	<i>-1.0/12</i>	<i>55</i>	<i>87</i>	<i>23</i>	<i>7</i>
<i>Gelbvieh</i>	<i>1.1/12</i>	<i>65</i>	<i>92</i>	<i>24</i>	<i>5</i>
<i>Balancer</i>	<i>0.3/13</i>	<i>65</i>	<i>98</i>	<i>22</i>	<i>6</i>
<i>SimAngus</i>	<i>0.6/11.7</i>	<i>64.5</i>	<i>98.5</i>	<i>21.7</i>	<i>6.3</i>

**EPDs are current as of September 2018. Some calving ease EPDs may now be below the 2018 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*****

417 Produce (Brooke Mareth), Mt. Vernon **417produce@gmail.com** **417-459-2669**

2, home-raised, black, star-face; ½ Angus, ¼ Charolais, ¼ Corriente; synchronized, AI bred to calve February 11 and March 2; raised in a managed intensive grazing system; are docile, easy handling heifers; first Show-Me-Select entry; will have genomic results by sale day.



Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – EF Authentic 0829	Angus	14/.73	66/.87	37/.65	127/.84

Weber Cattle (Jerry Weber), Lamar **weberjerry72@gmail.com** **417-681-0418**

14, home-raised, Balancer, Angus and Red Angus heifers; pasture bred and will calve from February 10 to April 29; bunk broke; great dispositions and have been around dogs, horses and kids; our second SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
NS – 3 G Bootlegger	Balancer	15/.53	59/.47	28/.47	80/.46

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

9, home-raised, Red Angus heifers; synchronized and AI bred to calve February 15; cleanup breeds are due from March 5 to April 15; we've entered 160 steers in the Missouri Steer Feedout since 2007 and this is our 19th SMS sale; we will have genomic data from the Red Navigator test on these heifers.



Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – Brown JYJ Redemption Y1334	Red Angus	17/.92	63/.95	20/.93	111/.95
NS – LSF SRR Redemption 5047C	Red Angus	16/.32	57/.37	26/.29	98/.39

Denlow Valley Ranch, (Jason & Mandy Boehs), Norwood **jasonboehs@gmail.com** **417-259-7193**

15, home-raised, black, SimAngus heifers; synchronized and AI bred to calve February 19; cleanup breeds are due March 5 to April 26; ultrasound preg checked; rotational grazing system that's fescue-based; our 2nd SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – GAR Sure Fire	Angus	18/.85	57/.92	29/.51	108/.85
NS – Lucas Mr. 8A	Sim Angus	14.1/.21	59.6/.28	26.1/.17	90.5/.30

Mahan Farms (Scott), Pottersville **scottmahan3628@gmail.com** **417-293-3628**

12, home-raised, SimAngus heifers; black; developed on rotational grazing system with fescue and electric fencing; synchronized and AI bred to calve February 15; cleanups to calve February 27 to April 18; have used SimAngus bulls from New Day (Flying H) for 10 years; DNA results from Neogen by sale day; we provide no supplement to our herd after the second breeding season; our first SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – Mill Bar Hickok 7242	Angus	14/.77	69/.88	24/.55	114/.83
NS – New Day D12	SimAngus	16.1/.29	68.3/.34	23.9/.25	108.2/.35

Gilmore Farms, LLC, (Richard & Berta), Aurora **rgilmore@centurytel.net** **417-678-1015**

23, Angus and Angus x Hereford F1's; synchronized and AI bred; due February 5 based on ultrasound; cleanups due from February 24 to March 21; our 9th Show-Me-Select sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – Mohnen Long Distance 1639	Angus	12/.81	44/.90	28/.70	78/.82
AI – Cole Creek Cedar Ridge IV	Angus	10/.89	41/.94	32/.85	72/.91
NS – Werner Capitalist 5052	Angus	10/.28	52/.31	25/.22	91/.30

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

32, black baldy or mottled faced heifers; synchronized and AI bred to calve January 31; cleanup bred are due February 15 to April 24; ultrasound preg checked: our grazing system uses electric fencing and is primarily fescue; heifers will have received one Scour Guard 4KC vaccination; our 29th sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – KM Broken Bow 002	Angus	14/.82	62/.93	24/.72	103/.90
NS – Bakers Upside 5066	Angus	9/.36	47/.47	18/.34	80/.42
NS – BCC Rampage 6232	Angus	11/.24	63/.29	23/.19	108/.27
NS – WAF Absolute 45	Angus	12/.31	45/.40	22/.29	82/.35
NS – RAF Absolute 529	Angus	13/.38	49/.47	27/.33	88/.43

Kathy Wheeler, Marionville**(H) 417-258-2480****(C) 417-839-4702**

18, black baldy or mottled faced heifers; synchronized and AI bred to calve January 31; cleanup bred are due February 18 to April 24. ultrasound preg checked: our grazing system uses electric fencing and is primarily fescue; heifers will have received one Scour Guard 4KC vaccination; our 29th sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – KM Broken Bow 002	Angus	14/.82	62/.93	24/.72	103/.90
NS – Bakers Upside 5066	Angus	9/.36	47/.47	18/.34	80/.42
NS – BCC Rampage 6232	Angus	11/.24	63/.29	23/.19	108/.27
NS – WAF Absolute 45	Angus	12/.31	45/.40	22/.29	82/.35
NS – RAF Absolute 529	Angus	13/.38	49/.47	27/.33	88/.43

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

11, home-raised, mostly red, red white faced heifers out of Gelbvieh sires and Balancer dams; some with a touch of Simmental; some calve at 24 months and some at 30; AI bred due February 20; natural service are due February 5 to April 16; my 15th Show-Me-Select sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – Brown Pacesetter Y7170	Red Angus	14/.70	55/.78	25/.71	98/.78
NS – Enforcer 176Y80	Gelbvieh	13.8/.38	58/.34	20/.27	83/.36

Circle S Chicks (Dusty & Val Sturgeon), Stark City sturgeon-V@yahoo.com**417-489-0039**

70, Red Angus heifers; synchronized and AI bred to calve February 6; preg tested via ultrasound; genomically tested with Red Angus Herd Navigator thus are Show-Me-Plus qualified; our 6th SMS sale.



Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – Andras Fusion R236	Red Angus	16/.82	49/.90	26/.70	89/.90

Mark McFarland, Stella**417-628-3647**

14, home-raised Gelbvieh heifers; synchronized and AI bred to calve March 10; cleanup bred are due March 25 to April 30; 13 are black; 1 is a red white faced; ultrasound preg checked; my 8th SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – Extra Exposure 285L71 ET	Gelbvieh	12/.79	62/.90	20/.85	88/.90
NS – JJNR Mr. Connealy Focus A12B	Angus	9/.24	53/.30	18/.21	81/.22

Tony Friga, Pomonatonystire@centurytel.net**417-293-3995**

45, home-raised, Angus cross heifers; synchronized and AI bred to calve February 2; natural service bred due March 20 to April 24; preg checked via ultrasound; my first SMS sale.

Code-Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI– Mill Bar Hickok 7242	Angus	14/.77	60/.88	24/.55	114/.85
NS– Kelleycapitalist 2D	Angus	12/.37	45/.48	22/.35	86/.41
NS– Kelley Prophet 5D	Angus	11/.34	45/.45	25/.33	74/.37

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

14, home-raised, Gelbvieh-Red Angus and Angus cross heifers; will calve at 24 months; synchronized and AI bred on natural heat; expected calving dates January 30 to February 27; raised on fescue; vaccinated with Vira Shield 6VL5 HB; 10 heifers are red and 4 are black; our 21st sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – MOGCK Sure Shot	Angus	9/.85	59/.95	31/.83	98/.90
AI – Brown Pacesetter Y7170	Red Angus	16/.62	55/.78	24/.63	93/.78
NS – Mr. Newport Cartwright 932C	Gelbvieh	18/.22	56/.30	22/.22	79/.31

Schaumann Farms (Sam), Billingsssamps50@aol.com**417-425-0425**

9, home-raised, Red Angus, Red Simmental cross from our closed herd; natural service; preg checked by ultrasound; we rotation graze our fescue-based pastures; calving dates will run from March 10 to April 1; our 20th SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
NS – PCC WFF Draco 4511D	Red Angus	10/.14	38/.29	14/.13	55/.17

Roger Draeger, Webb Citysama7761@hotmail.com**620-674-1769**

31, home-raised Red Angus Simmental cross heifers; all pasture bred; expected calving dates are from March 1 to April 30; used Red Navigator genomic test; my first SMS sale.



Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
NS – Pelton 413W 270Z	Sim Red Angus	15.7/.24	55.4/.29	17.5/.20	78.9/.31
NS – Pelton Halfmann 66C	Sim Red Angus	15.5/.23	59.2/.29	18.5/.22	94.6/.32
NS – Pelton Pinnacle 58C	Sim Red Angus	12.8/.19	68.6/.20	26.7/.19	103.9/.20

Goodnight Angus Farm, Carthagejeff.goodnight@sbcglobal.net**417-459-2558**

12, registered Angus; home-raised heifers; complete performance records available with EPDs; genomically tested; some are Tier Two eligible; AI breds are due January 17; cleanup breds due February 1 to March 3; we've used the cleanup bull three years with no calving problems; the heifers will have had their first Scour Bos 9 vaccination; our 5th SMS sale.



Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – GAR Sure Fire	Angus	16/.82	58/.85	27/.47	108/.88
AI – GAR Prophet	Angus	11/.91	72/.96	33/.84	124/.91
NS– Jacs Blackjack 5124	Angus	13/.37	62/.51	25/.32	118/.46