

SHOW-ME-SELECT™

REPLACEMENT HEIFER SALE

260 Crossbred & Purebred Heifers

May 17, 2019 at 7 PM

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

Breeds & crosses include: Angus, Gelbvieh, Red Angus and Simmental.

About 75% are black or black whiteface and 25% 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 late August to November 30 and were preg checked within 30 days of the sale.



Consignors Include:

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

Don Hounschell, Stark City
Robert Miller, Aurora
Lon Goff, Springfield
Steve Kleiboeker, Wentworth
Jared Kleiboeker, Wentworth

Aspen Ridge, LLC, Carthage
Mark McFarland, Stella
Meadowlyn Farm, Cassville
U of MO SW Center, Mt. Vernon
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 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"[™] 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 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:

Spring 2018:

- ◆ 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 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.

Winter/Spring 2019:

- ◆ 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 2019 Breed EPD Average’s for Current Sires Within Breed

Breed	CED	WW	YW	Milk	CEM
<i>Angus</i>	6	52	92	24	9
<i>Red Angus</i>	12	55	86	23	7
<i>Gelbvieh</i>	12	64	94	21	6
<i>Simmental</i>	3.80	68	98.5	30.8	2.7

**EPDs are current as of March 2019. 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*****

University of MO Southwest Research Center, Mt. Vernon, David Cope **417-466-2148**

4, home-raised, SimAngus cross; bred by natural service to calve October 4 to November 15; 3 are black, 1 black baldy; raised on both Ky31 and novel fescue; genomic tested to qualify for Show-Me-Plus; ultrasound preg tested; 2nd Show-Me-Select sale.

Code-Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS- Slay Red Mag E6	SimAngus	17.5/.36	69/.42	106/.42	21/.36

Aspen Ridge LLC, Paul Eckels, Carthage **417-358-4065**
paul@aspenridge5.com

14, home-raised, Red Angus, 12 red, 2 black; 7 heifers are synchronized and AI bred, due September 5; 7 are cleanup bred, due from September 25 to November 9; genomic data available by sale time from the Red Angus Herd Navigator Program which qualifies them for Show-Me-Plus status; Our first SMS sale.

Code-Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI - Brown JYJ Redemption Y1334	Red Angus	15/.87	65/.94	113/.94	20/.86
NS - DR Champion Y1334 C135	Red Angus	14/.24	52/.33	92/.35	24/.25

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

8, home-raised, Red Angus or Red Angus Cross heifers; synchronized and AI bred to calve September 1; cleanup bred are due from September 29 to October 24; ultrasound preg. checked; our herd enters the Missouri Steer Feedout in order to obtain feedlot and carcass data on mates to our heifers; in addition these heifers will be DNA tested to qualify for Show-Me-Plus under the Red Navigator program; our 20th SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI - PIE Cinch 4126	Red Angus	13/.71	74/.84	118/.82	18/.57
NS - LSF SRR Night Calver 5250C	Red Angus	12/.27	62/.34	104/.36	22/.26

Steven Kleiboeker, Wentworth **417-489-2665**

10, home raised, black, Angus cross heifers; some are Tier Two eligible; natural service bred to calve from September 15 to November 15; ultrasound preg tested; 2nd SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS - PVF Prophet 032	Angus	10/.34	68/.45	106/.39	24/.27

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

15, home-raised, Gelbvieh-sired heifers out of Balancer dams; most are red or red white faced; AI bred on natural heat; due from September 10 to October 12; natural service heifers due October 12 to October 30; ultrasound preg checked; 17th SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI - Brown Pacesetter Y7170	Red Angus	15/.67	54/.82	92/.81	23/.62
NS - Enforcer 176Y80	Gelbvieh	14/.26	56/.34	81/.36	19/.27

Jared Kleiboeker, Wentworth **417-737-2875**

10, home-raised, black, Angus cross heifers; natural service bred to calve from September 15 to November 15; ultrasound preg tested; 2nd SMS Sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS- Cody GG 31	Angus	9/.29	51/.41	96/.36	21/.26

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

45, black and black baldy or mottled faced heifers; synchronized and AI bred to calve September 5; ultrasound preg checked: heifers have been developed on fescue and our rotational grazing system; heifers will be given Scour Guard 4KC vaccination; our 30th SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI - KCF Bennett Absolute	Angus	11/.92	62/.96	114/.94	20/.87

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

14, home-raised, Gelbvieh - Red Angus and Angus cross heifers; raised on fescue; due to calve at 24 months; synchronized and all AI bred on natural heat with expected calving dates from September 3 to 10; our 22nd SMS Sale; vaccinated with Vira Shield 6VL5 HB.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Brown Pacesetter Y7170	Red Angus	15/.67	54/.82	92/.81	23/.62
AI – MOGCK Sure Shot	Angus	9/.85	59/.93	98/.90	31/.84
NS– Mast 954E	Gelbvieh	15/.21	57/.28	85/.29	27/.21
NS– Mast 932C	Gelbvieh	17/.23	56/.30	78/.31	20/.23

Lon Goff, Springfieldoffice@longoff.com**417-860-2558**

38, heifers; 10 black baldy or mottled faced out of a Hereford bull, dams are SimAngus; AI service sire Angus is Effective; 8 pure Charolais from Gast Charolais, Nevada; AI service sire Redemption; 20 Red Angus x Charolais, F1s AI service sire also Red Angus, Redemption; all heifers were synchronized and AI'd to calve September 14; cleanup bred due from September 28 to November 30; ultrasound preg tested; fescue is my primary forage for heifer development and am in the 7th year of doing it; first year to sell in show-Me-Select sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Schiefelbein Effetive 61	Angus	16/.82	45/.90	85/.85	27/.69
AI – Brown JYJ Redemption Y1334	Red Angus	15/.87	65/.94	113/.94	20/.86
NS – MFRA Redemption	Red Angus	15/.25	64/.30	109/.32	23/.22

Marvin Phipps, Cassvillemarvinphipps01@outlook.com**417-846-3104**

35, head of black, Angus cross heifers; synchronized and AI bred to calve September 14; 14 cleanup bred due September 28 to November 10; ultrasound preg checked; very gentle; our 2nd SMS sale.

Code-Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Cole Creek Cedar Ridge IV	Angus	11/.89	40/.95	72/.92	32/.87
NS– Valley View Fortress 7419	Angus	7/.24	72/.31	123/.24	26/.17

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

4, home-raised, Angus x Simmental heifers; black; synchronized and AI bred to calve August 21; cleanup bred due September 10; ultrasound preg checked; Igenity Gold genomic tested, all four will be Show-Me Plus; raised on novel endophyte fescue with rotational grazing and electric fencing; heifers are out of SMS Tier Two heifers; our first SMS sale consignment.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – CCR Cowboy Cut 5048 Z	Simmental	13/.77	92/.94	128/.84	25/.81
NS– DHT 902 Rampage Right 210	Angus	8/.34	75/.43	123/.39	26/.33

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

30, black and black baldy or mottled faced heifers; Natural Service bred due September 19 to November 23; ultrasound preg checked: heifers have been developed on fescue and our rotational grazing system; heifers will be given Scour Guard 4KC vaccination; our 30th SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS – RAF Absolute 529	Angus	13/.38	49/.47	88/.43	28/.34
NS – BCC Rampage 6232	Angus	11/.24	63/.29	107/.27	23/.20
NS – WAF Absolute 45	Angus	11/.32	45/.40	81/.35	24/.29
NS – Bakers Upside 5066	Angus	10/.36	45/.47	77/.42	18/.34

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

11, home-raised, black Gelbvieh heifers; one is a Braford cross; synchronized and AI bred to calve August 30; cleanup bred due September 14 to November 1; ultrasound preg checked; my 9th SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – Extra Exposure 285L 71 ET	Gelbvieh	12/.79	59/.90	84/.90	20/.86
NS – JJNR Mr Connealy Focus A12B	Angus	9/.24	53/.30	81/.22	19/.21

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

15, home-raised, Red Angus x Simmental; most are red with a few blaze or star-faced; natural service bred to calve from September 4 to October 20; ultrasound preg checked; raised on a fescue, rotational graze system using power fencing; our 21st SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
NS – PCC WFF Draco 4511D	Red Angus	15/.18	42/.28	64/.24	22/.18

Don Hounsshell, Stark City**417-825-6031**

12, home-raised Angus cross heifers; mostly are black; synchronized and AI bred to calve August 9; natural service bred due August 24 to October 8; Six Tier Two heifers in the offering by GAR Prophet and all will be genomic tested to qualify for Show-Me-Plus; preg checked via ultrasound; we use power fencing on our fescue pasture; our 5th SMS sale.

Code-Service Sire	Breed	CE/Acc	WW/Acc	YW/Acc	Milk/Acc
AI – GAR Sure Fire	Angus	15/.90	57.94	107/.92	29/.66
NS– Worthington All-In 6002	Angus	16/.36	64/.46	109/.42	32/.33