

SHOW-ME-SELECT™

REPLACEMENT HEIFER SALE

200 Crossbred & Purebred Heifers

May 18, 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 **DVAuction** on-line bidding may be arranged in advance.

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

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
Hunter Lane Cattle Co., Pierce City
Mast Farms, Lamar
Kunkel Farms, Neosho

Don Hounschell, Stark City
Robert Miller, Aurora
Matt & Jessica Burger, California
Steve Kleiboeker, Wentworth
Jared Kleiboeker, Wentworth

Darren Loula, DVM, Clever
Cupps Farms, Shell Knob
DJV Cattle, Co., Edwards
Jason Bilyeu, California
Sam Schaumann, Billings

For information contact:

Eldon Cole (417) 466-3102 or 466-3386

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:

Spring 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.

Fall 2017:

- ◆ 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 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>50</i>	<i>88</i>	<i>24</i>	<i>8</i>
<i>Red Angus</i>	<i>-1.8/6</i>	<i>59</i>	<i>91</i>	<i>21</i>	<i>5</i>
<i>Gelbvieh</i>	<i>1.2/9</i>	<i>68</i>	<i>95</i>	<i>28</i>	<i>5</i>
<i>Polled Hereford</i>	<i>3.0/1.8</i>	<i>52</i>	<i>84</i>	<i>24</i>	<i>1.9</i>

**EPDs are current as of March 2018. Some calving ease EPDs may now be below the 2017 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*****

Don Hounschell, Stark City

417-825-6031

5, home-raised, Angus cross heifers; natural service bred to calve September 8 to September 23; ultrasound preg checked; management intensive grazing system on our fescue pasture that uses power fencing; genomic tested; our 4th SMS sale.

Code-Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
NS- Worthington All-In 6002	Angus	17/.36	65/.46	31/.32	110/.42

Mast Farms, Lamar

417-214-4306

10, home-raised, Angus x Gelbvieh (black) and Red Angus x Gelbvieh (red) heifers; synchronized and AI bred on natural heat; should calve at 24 months of age; due dates from September 1 to November 20; developed on fescue; vaccinated with Vira Shield 6 VL5 HB; our 20th SMS sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI - MOGCK Sure Shot	Angus	9/.85	59/.93	31/.83	99/.90
AI - JRI Pld Free Agent 125J3	Gelbvieh	17/.95	53/.95	12/.94	76/.95
AI - Schuler Rebel 0029X	Red Angus	22/.78	58/.86	35/.78	92/.86
NS - Mr. Newport Cartwright	Gelbvieh	17/.30	58/.30	25/.24	81/.31

Jared Kleiboeker, Wentworth

417-737-2875

8, Angus cross heifers, most are black; pasture bred to calve from September 12 to November 12; preg checked via ultrasound; my first entry in the Show-Me-Select program; trained to electric fence; fescue-raised.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
NS - PVF Prophet 032	Angus	10/.34	68/.45	22/.27	107/.39
NS- Leenas Sensation 1649	Polled Hereford	3.9/.11	59/.22	28/.09	96/.21

Matt & Jessica Burger, California

573-821-5661

6, home-raised, Angus cross heifers; natural service bred; due to calve September 18 to October 3; our first SMS sale at Joplin Regional Stockyards.

Code-Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
NS- Mead Ten Speed P820	Angus	10/.34	69/.43	29/.28	121/.38

John Wheeler, Marionville

417-839-4702

40, Angus x Hereford heifers; black with white or mottled faces; synchronized and AI bred to calve September 3; cleanups are due September 17 to October 31; ultrasound preg checked: sire EPD's are enhanced by genomic testing; our pasture system is fescue and power fencing; heifers have received one Scour Guard 4KC vaccination; our 28th sale with 1237 heifers sold; recognized this year as a Pioneer SMS producer.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI - KM Broken Bow 002	Angus	14/.82	62/.93	23/.70	103/.90
NS - Bakers Upside 5066	Angus	9/.36	47/.48	19/.34	80/.43
NS - BCC Rampage 6232	Angus	11/.24	63/.29	22/.16	109/.27
NS - WAF Absolute 45	Angus	12/.32	44/.40	24/.29	80/.35
NS - HB Absolute 1605	Angus	7/.37	48/.47	30/.35	97/.42
NS - FHCC Absolute 5507	Angus	7/.36	60/.48	23/.34	110/.43
NS - FHCC Absolute 5531	Angus	7/.38	59/.47	27/.33	104/.43
NS - RAF Absolute 529	Angus	13/.38	48/.47	27/.33	87/.43

Schaumann Farms, Billings

ssamps50@aol.com

417-744-2111 (c)

9, home-raised Red Angus - Simmental cross; 7 are red 2 are red white faced; our 19th SMS sale; ultrasound preg checked; AI breds due September 8 with cleanup breds due September 22 to October 22; we use a rotational grazing system on our fescue based program.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI - Andras Fusion R 236	Red Angus	17/.86	45/.90	20/.86	86/.90
NS - OH 105U 2207Z	Red Angus	12/.20	41/.30	14/.24	67/.32

Cupps Farms, Shell Knobscottcupps@hotmail.com**417-489-0914**

15, home-raised, Angus x Polled Hereford heifers; pasture-bred to calve from September 10 to November 9; our 18th SMS sale; most are black baldies with a few red-white faced and solid black.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
NS – JM Elation 6308	Angus	17/.36	37/.48	26/.30	85/.44
NS – Clear Creek Re Bar 715	Angus	11/.17	56/.27	25/.13	108/.25
NS – PMB Update S204	Angus	13/.24	32/.31	20/.21	64/.24
NS – LJR MSU 6Y Deliverance	Polled Hereford	48/.27	53/.27	21/.18	87/.29

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

27, Angus and Angus x Hereford heifers; black and red white-faced; due to calve from synchronized, fixed-time AI on September 3; cleanup and natural bred are due September 3 to November 3; have had one Scour Guard 4KC shot; raised on fescue with power fencing.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – KM Broken Bow 002	Angus	14/.82	62/.93	23/.70	103/.90
NS – Bakers Upside 5066	Angus	9/.36	47/.48	19/.34	80/.43
NS – BCC Rampage 6232	Angus	11/.24	63/.29	22/.16	109/.27
NS - HB Absolute 1605	Angus	7/.37	48/.47	30/.35	97/.42
NS – FHCC Absolute 5507	Angus	7/.36	60/.48	23/.34	110/.43
NS – FHCC Absolute 5531	Angus	7/.38	59/.47	27/.33	104/.43

DJV Cattle Co., Edwardsdjvcattlecompanyjustin@gmail.com**573-345-3404**

10, home-raised Angus and Angus cross heifers; synchronized and AI bred to calve September 19; ultrasound preg checked; genomic tested with results available sale day; our first SMS consignment in November topped the sale.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – GAR Prophet	Angus	10/.92	72/.96	32/.87	124/.95

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

10, Angus cross heifers, most are black; pasture bred to calve from September 12 to November 12; preg checked via ultrasound; trained to electric fence; fescue-raised; previously partnered with my brother under Kleiboeker Farms, a recipient of the SMS Pioneer Producer earlier this year.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
NS – PVF Prophet 032	Angus	10/.34	68/.45	22/.27	107/.39
NS – Leenas Sensation 1649	Polled Hereford	3.9/.11	59/.22	28/.09	96/.21

Darren Loula, DVM, Cleverdrloula@gmail.com**417-224-4831**

9, Sim-Angus and Angus x Charolais heifers; blacks and grays; six are Tier Twos; all are AI bred; some are fetal-sexed; ultrasound preg checked to calve September 9 to November 23; my first year in the Show-Me-Select program.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
AI – Mill Bar Hickok 7242	Angus	14/.73	69/.85	24/.55	114/.82
AI – KM Broken Bow 002	Angus	14/.82	62/.93	23/.70	103/.90

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

20, home-raised, Balancer and Simmental x Balancer red and black heifers; some will calve at 24 months and the others intentionally will calve at 30 months; ultrasound preg checked to calve from August 26 to October 19; AI bred without synchronization; my 15th SMS 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	14/.23	62/.23	21/.22	88/.23

Jason Bilyeu, Californiajason.t.bilyeu@gmail.com**573-291-2147**

11, Angus and Angus cross heifers; pasture bred to calve from September 1 to October 15; 7th SMS sale for my family.

Service Sire	Breed	CE/Acc	WW/Acc	Milk/Acc	YW/Acc
NS – KBF Efficient 562	Angus	11/.31	50/.40	21/.27	93/.35

Hunter Lane Cattle Co., Heath & Shonda Madison, Pierce City puppydawn4you@yahoo.com 417-846-5722

12, home-raised Angus x Hereford, Angus and Gelbvieh x Beefmaster heifers; synchronized and AI bred to calve September 12; cleanup bred due from September 26 to November 15; ultrasound preg checked; we use power fencing and ATVs to work heifers and they are very gentle; our second SMS sale.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>Milk/Acc</u>	<u>YW/Acc</u>
AI – Deer Valley All-In	Angus	11/.90	74/.96	21/.76	129/.93
NS – SAR Prophet 1095	Angus	11/.34	55/.43	31/.33	97/.39

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

11, home-raised, Red Angus heifers; synchronized and AI bred to calve September 1; cleanup bred due from September 15 to November 15; mates to steers we enter in the Missouri Steer Feedout; ultrasound preg checked; our 18th SMS sale.

<u>Service Sire</u>	<u>Breed</u>	<u>CE/Acc</u>	<u>WW/Acc</u>	<u>Milk/Acc</u>	<u>YW/Acc</u>
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