

SHOW-ME-SELECT™

REPLACEMENT HEIFER SALE

190 Crossbred & Purebred Heifers

November 15, 2019 at 7 PM

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

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

About 70% are black or black whiteface and 30% 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 January to April 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
Vaught Farms, Crane
Robert Miller, Aurora
Circle S Chicks, Stark City**

**Goodnight Angus Farms, Carthage
Sam Schaumann, Billings
Weber Cattle, Lamar**

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.

**Joplin FCS Financial is hosting a coat drive to benefit foster children in Barry, Dade, Jasper, Lawrence, McDonald and Newton counties. Bring your donation on sale night! New winter coats, hats, scarves or gloves can be left in the collection box next to the FCS Financial booth during the Show-Me-Select sale. FCS Financial will be collecting donations at the Joplin and Monett FCS office locations until November 27.*

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 2019 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 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.

Spring 2019:

- ◆ 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 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.

Fall 2019 Breed EPD Average’s for Current Sires Within Breed

| Breed | CED | WW | YW | Milk | CEM |
|------------------|-----|----|----|------|-----|
| <i>Angus</i> | 7 | 54 | 95 | 25 | 9 |
| <i>Red Angus</i> | 12 | 58 | 91 | 22 | 7 |
| <i>Balancer</i> | 13 | 65 | 98 | 21 | 7 |
| <i>Gelbvieh</i> | 12 | 65 | 95 | 22 | 6 |
| <i>Hereford</i> | 2.3 | 51 | 83 | 23 | 1.7 |

**EPDs are current as of September 2019. Some calving ease EPDs may now be below the 2019 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*****

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

8, home-raised, Red Angus or Red Angus cross; synchronized and AI bred to calve February 9; cleanup
breeds are due from February 24 to March 11; ultrasound preg. checked; heifers will be genomically tested under the Red
Navigator program to qualify as Show-Me-Plus; steer mates to our heifers enter the Missouri Feedout; check out their
performance; our 21st 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 – PIE Cinch 4126 | Red Angus | 13/.71 | 73/.85 | 115/.83 | 17/.54 |
| NS – LSF SRR Night Calver 5250C | Red Angus | 11/.34 | 62/.40 | 103/.41 | 19/.32 |

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

20, one source Angus x Balancer heifers; 16 are black and 4 have some white on face; broke to power fencing in our
fescue grazing system, great disposition around people, kids and horses; natural service bred, due February 19 to March
25; our third 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> |
|--------------------------|--------------|---------------|---------------|---------------|-----------------|
| NS – 3 G Bootlegger 439B | Balancer | 16/.46 | 59/.52 | 16/.43 | 81/.51 |

Vaught Farms, Crane **Bryant.vaught@hotmail.com** **417-229-1165**

14, home-raised Balancer, Angus, Hereford cross black and red heifers; synchronized and AI bred to calve March 1;
cleanup breeds due March 15 to April 7; preg checked by ultrasound; hotwire broke; we select for fescue tolerance, slick
haircoats and fly resistance; our first year in the Show-Me-Select program.

| <u>Service Sire</u> | <u>Breed</u> | <u>CE/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|-----------------------|--------------|---------------|---------------|---------------|-----------------|
| AI – SydGen Enhance | Angus | 14/.82 | 68/.89 | 137/.80 | 30/.35 |
| AI – 35CC Domain A163 | Red Angus | 16/.72 | 63/.86 | 109/.86 | 25/.64 |
| NS – VBCC Dually 225C | Hereford | 7.0/.31 | 59/.24 | 86/.25 | 17/.18 |

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

35, Red Angus heifers; sourced in South Dakota from one ranch with predominately Craig Bieber genetics;
synchronized and all are AI bred to calve February 7; preg checked by ultra sound; our 7th Show-Me-Select sale; have
sold 288 head.

| <u>Service Sire</u> | <u>Breed</u> | <u>CE/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|-------------------------|--------------|---------------|---------------|---------------|-----------------|
| AI – Andras Fusion R236 | Red Angus | 15/.84 | 49/.91 | 89/.91 | 25/.79 |

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

6, home-raised, red and black heifers; Gelbvieh-Red Angus and Gelbvieh-Angus cross; all bred natural service to calve
February 22 to April 19 at about 24 months or age; raised on fescue; vaccinated with Vira Sheild 6VL5 HB; our 23rd
SMS sale having sold 207 head.

| <u>Service Sire</u> | <u>Breed</u> | <u>CE/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|-------------------------|--------------|---------------|---------------|---------------|-----------------|
| NS – Newport Steakhouse | Gelbvieh | 15/.37 | 64/.41 | 92/.41 | 21/.38 |

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

24, black baldy and black mottled faced heifers; Natural Service breeds due February 29 to April 30; ultrasound preg
checked: electric fenced grazing system; primarily fescue; heifers will receive one Scour Guard 4KC vaccination; our
31st 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> |
|-------------------------|--------------|---------------|---------------|---------------|-----------------|
| NS – BCC Rampage 6232 | Angus | 11/.35 | 59/.46 | 27/.33 | 93/.41 |
| NS – WAF Absolute 45 | Angus | 11/.31 | 43/.40 | 78/.35 | 26/.29 |
| NS – Bakers Upside 5066 | Angus | 10/.36 | 43/.47 | 74/.42 | 19/.34 |

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

8, home-raised, Red Angus-Simmental heifers; all are red; due to calve February 27 to March 19 by natural service; ultrasound preg checked; raised on fescue with a rotational grazing system using power fencing; our 22nd Show-Me-Select sale having sold 177 heifers.

| <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/.19 | 41/.29 | 60/.27 | 19/.19 |

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

8, home-raised, Gelbvieh x Balancer heifers; most are red; moderate frame size; service sire is a black (75% Gelbvieh) Balancer from Hilltop Farms, Asbury; ultrasound preg checked; due to calve from February 8 to March 15; my 18th Show-Me-Select sale; have sold 137 heifers.

| <u>Service Sire</u> | <u>Breed</u> | <u>CE/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|---------------------------|--------------|---------------|---------------|---------------|-----------------|
| NS – HTFM Mr. Leader F831 | Balancer | 15/.39 | 69/.45 | 105/.46 | 25/.37 |

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

28, Angus and Angus x Gelbvieh heifers; 16 are pure Angus and 12 are crosses; synchronized and 20 will have calves from the AI service; sourced in southern Barry county and have been raised since birth, mostly on fescue; AI bred due February 27; cleanups due March 12 to April 6; ultrasound preg checked; my 3rd 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 – Cole Creek Cedar Ridge IV | Angus | 10/.89 | 40/.95 | 72/.92 | 33/.88 |
| NS– Valley View Fortress 7419 | Angus | 7/.25 | 72/.31 | 123/.24 | 25/.19 |

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

6, registered Angus, home-raised heifers; some are Tier 2; complete performance records available with EPDs; genomically tested making them Show-Me-Plus eligible; AI bred due January 15; cleanups are due January 30; steer mates to the heifers in our herd have been fed out in the Missouri Steer Feedout since 2010; 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 Method | Angus | 10/.75 | 73/.86 | 128/.78 | 31/.35 |
| AI – GAR Sure Fire | Angus | 15/.91 | 57/.95 | 106/.93 | 32/.74 |
| NS – Jacs Blackjack 5124 | Angus | 11/.38 | 63/.52 | 116/.47 | 24/.33 |

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

38, black baldy or mottled faced heifers; all were synchronized and AI bred to calve February 15; ultrasound preg checked: grazing system is mostly fescue with electric fencing; heifers will receive one Scour Guard 4KC vaccination; our 31st Show-Me-Select sale at Joplin Regional Stockyards that includes 1451 heifers total for John & Kathy.

| <u>Service Sire</u> | <u>Breed</u> | <u>CE/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|------------------------|--------------|---------------|---------------|---------------|-----------------|
| AI – KM Broken Bow 002 | Angus | 12/.86 | 61/.94 | 101/.91 | 25/.79 |