

SHOW-ME-SELECT™

REPLACEMENT HEIFER SALE

150 Crossbred & Purebred Spring-Calving Heifers

Friday, November 18, 2022 at 7 PM

**JOPLIN REGIONAL
STOCKYARDS**
ESTD 1931

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

Video Preview and Sale may be found at www.joplinstockyards.com

For online bidding: click on Live Auction, then Create New DVAuction Account to register
Account must be arranged in advance along with bank approval at least 4 days prior to sale.

For questions or bank approval call Dustin, Misti or Clay at 417-548-2333.

- **NOTICE:** New JRS in-person buyers should bring a letter of preapproval from their bank when registering prior to the sale
- Breeds & crosses include: Angus, Gelbvieh, Red Angus, SimAngus, & Hereford. Primarily crossbreds with a few purebreds.
- About 35% are black, 40% are black whiteface, 25% are red
- Many are synchronized and AI bred. A few Tier II and Show-Me-Plus heifers are in the offering. See catalog for 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 to April 30 and were preg checked within 30 days of the sale.

CONSIGNORS:

David & Danise Cummings, Sarcoxie
Hunter Lane Cattle Co., Pierce City
Broken S Land & Cattle LLC, Aurora
Robert Miller, Aurora
Weber Cattle, Lamar
Dichotomy Cattle Co., Rocky Comfort

John Wheeler, Marionville
Kathy Wheeler, Marionville
Mast Farms, Lamar
Nolan Kleiboeker Farm LLC, Wentworth
Kunkel Farms Red Angus, Neosho

For the full catalog go to: <https://extension.missouri.edu/programs/show-me-select-replacement-heifer-program>

For more information contact:

Patrick Davis davismp@missouri.edu 417-276-3313
Andy McCorkill mccorkilla@missouri.edu 417-345-7551

 **Extension**
University of Missouri

an equal opportunity/ADA institution

Sponsored by: Show-Me-Select™ Replacement Heifers, Inc. a non-profit organization in cooperation with: University of Missouri Extension, MU College of Agriculture, Food and Natural Resources, Division of Animal Sciences, Commercial Agriculture Program, MU College of Veterinary Medicine, Southwest Missouri Beef Cattle Improvement Association, Missouri Cattlemen's Association and Missouri Department of Agriculture.

Show-Me-Select™ Replacement Heifer Sale

November 18, 2022

Joplin Regional Stockyards

7:00 p.m.



***** The SWMO Cattlemen's Association will be auctioning off this Gallagher Loadbar Set and Gallagher TW-3 Weigh Scale, a \$3800 value, prior to the Show-Me-Select™ Sale.**

All proceeds will be used for scholarships, etc., and will be given in Honor of Eldon Cole. ***



GALLAGHER | ALLEYWAY LOAD BARS

Home / Animal Management / Weighing and EID / Weigh Scales and Data Collectors / TW-3 Weigh Scale & Data Collector



TW-3 Weigh Scale & Data Collector



GENERAL SALE INFORMATION

Sale Agent - Joplin Regional Stockyards (JRS)

NOTICE: New JRS buyers please bring a letter of preapproval from your bank when registering prior to the sale

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.

ONLINE AUCTION BIDDING

Video preview and sale may be viewed at www.joplinstockyards.com

Online bidding must be arranged in advance along with bank approval.

- ✓ To create an account, go to www.joplinstockyards.com & click on Live Auction, then Create New DVAuction account and complete your registration.
- ✓ Then call JRS to complete the banking approval process at least 4 days prior to sale.
- ✓ For any questions or bank approval, call 417-548-2333 and ask for Dustin, Misti, or Clay.

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 MU Extension Center
University of Missouri Extension & Engagement
Cedar County MU Extension Center

MU College of Veterinary Medicine
Missouri Department of Agriculture
Jasper County MU 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 guaranteed details.

REQUIREMENTS FOR HEIFERS IN THE 2022 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 greater than established calving ease direct EPD minimums, have a minimum pelvic area of 150 cm² pre-breeding 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. Heifers are also evaluated for blemishes and structural soundness.

Weaning:

- ◆ All heifers must be calfhood 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.

Pre-Breeding:

- ◆ 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.

Pregnancy Exam:

- ◆ 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.

Show-Me-Plus Classification:

Heifers tested with a heifer genomic prediction panel approved by the University of Missouri Extension will be given the designation of a Show-Me-Plus Heifer. These include breed association GE-EPD; GeneMax Advantage, Igenity Gelbvieh, Red Navigator, Igenity Beef, and Method Choice tests. Heifer DNA samples must be submitted and paid for two months prior to sale date. Genomic panel results must be sent to regional coordinator and state beef geneticist prior to tagging



Tier 2 Classification:

Heifers qualify for Tier 2 (white tag) in the Show-Me-Select™ Replacement Heifer Program based on the following minimum accuracies of the heifer's sire at the time of sale for the respective traits listed below.

| <u>Trait</u> | <u>Accuracy</u> |
|-------------------------|-----------------|
| Calving ease direct) | .65 |
| Calving ease (maternal) | .30 |
| Weaning weight | .75 |
| Carcass Weight | .20 |
| Marbling | .20 |

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 Direct (CED): Expressed as a difference in percentage of unassisted births, with a higher value indicating greater calving ease in first-calf heifers.

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.

Breed EPD Average’s for Current Sires Within Breed*

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 calving ease direct EPDs are required on AI sires except for 0.50 on Herefords.

| Breed | CED | WW | YW | Milk | CEM |
|-----------|------|------|-------|------|-----|
| Angus | 6 | 59 | 105 | 26 | 8 |
| Red Angus | 13 | 62 | 100 | 25 | 7 |
| Simmental | 10.8 | 77.5 | 115.3 | 23.2 | 5.7 |
| SimAngus | 12.2 | 75.6 | 116.4 | 22.6 | 6.6 |
| Balancer | 13 | 69 | 105 | 21 | 7 |

**EPDs are current as of printing. Some calving ease EPDs may now be below the 2022 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 signify 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.

***** SALE ROTATION IS AS FOLLOWS*****

DAVID & DANISE CUMMINGS, SARCOXIE, MO danise.anne.cummings@gmail.com 417-388-8461

 6, Angus cross heifers; 5 AI and one natural bred due to calve between March 6th and March 20th. 4 heifers are **Show-Me-Plus certified** from a Final Answer sire; One heifer is a **Show-Me-Select Tier II**.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|------------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| AI-Mead Magnatude | 18543414 | Angus | 15/.83 | 84/.92 | 158/.89 | 40/.67 |
| AI-SydGen Enhance | 18170041 | Angus | 8/.93 | 70/.97 | 137/.95 | 32/.85 |
| NS-KVAF Enhance Tvrtko | 19758841 | Angus | 8/.37 | 88/.46 | 161/.41 | 36/.33 |

HUNTER LANE CATTLE CO., PIERCE CITY, MO puppydawg4you@yahoo.com 417-846-5722

20, Angus cross heifers; due to calve between February 6th and April 2nd. Naturally bred to a Homozygous black SimAngus bull. Ultrasound preg-checked, raised on fescue. Electric fence broke and gentle. Heifers have been given Scour BOS 9 vaccination. This is their 8th Show-Me-Select sale.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|---------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| NS-TJ 477H | 3762991 | SimAngus | 14.8/.43 | 78.9/.45 | 119.9/.46 | 38.3/.25 |

BROKEN S LAND AND CATTLE LLC, AURORA, MO broken.s.landandcattle@gmail.com 417-461-4363

9, SimAngus heifers; Natural bred and due to calve between March 1st and April 30th. Home raised and hotwire broke; raised on a rotational grazing system; Out of high API SimAngus bulls and bred to a high API SimAngus bull.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|---------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| NS-TJ MMR 251G | 3582532 | SimAngus | 15/.47 | 78.6/.49 | 116/.49 | 27.7/.29 |

ROBERT MILLER, AURORA, MO 417-229-3519

10, Gelbvieh cross heifers; Natural bred and due to calve between February 20th and March 30th. Home-raised; 8 black and 2 red, with a little Simmental in the background. This is our 24th Show-Me-Select sale.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|---------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| NS-Mr Leader F831 | 1426683 | Balancer | 13/.42 | 62/.46 | 92/.46 | 22/.16 |

WEBER CATTLE, LAMAR, MO weberjerry72@gmail.com 417-214-1570

10, Black Angus and Red Angus heifers; Natural bred and due to calve between February 25th and April 29th. Home-raised on a fescue rotational grazing system with electric fence; heifers have good disposition as they were bucket-fed daily and have been worked with both dogs and horses. Heifers have the most sound feet and legs that we have raised. This is our 6th SMS sale at JRS.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|---------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| NS-Plainsman 7012E | 1388323 | Balancer | 17/.52 | 59/.51 | 95/.51 | 14/.24 |

DICHOTOMY CATTLE CO., ROCKY COMFORT, MO justin@dichotomycattle.com 479-721-2661

19, Red Angus; 14 AI and 5 natural bred heifers born and raised on the farm in Rocky Comfort, MO. AI bred heifers will calve around February 7th; natural bred heifers will calve between February 22nd and April 22nd; heifers were selected out of a 300 head commercial cow herd. We have kept the 1/2 sisters to these heifers for several years now to build our herd. Lots of Bieber Ranch genetics have been put into the herd. This will be our 2nd Show-Me-Select sale.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|-----------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| AI-STRA Relentless | 3955293 | Red Angus | 18/.69 | 53/.81 | 75/.80 | 34/.16 |
| NS-Bieber Atomic H187 | 4303383 | Red Angus | 16/.44 | 64/.46 | 110/.47 | 29/.22 |

JOHN WHEELER, MARIONVILLE, MO**417-839-4702**

32, Black white-faced and black mottled-faced Angus x Hereford crossed heifers; synchronized and AI bred to calve February 19th; ultrasound preg checked; rotationally grazed on fescue with electric fences; will receive Scour Guard 4KC Vaccine. This is our 37th sale and we have sold 1759 Show-Me-Select heifers since our first sale in 2003.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|-------------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| AI-Mill Bar Hickok 7242 | 17351674 | Angus | 12/.90 | 64/.95 | 112/.92 | 28/.85 |

KATHY WHEELER, MARIONVILLE, MO**417-839-4702**

16, Black white-faced and black-mottled faced Angus x Hereford crossed heifers; pasture bred and due to calve March 4th to April 30th; ultrasound preg checked; rotationally grazed on fescue with electric fences; will receive Scour Guard 4KC vaccine. This is our 37th sale and we have sold 1759 Show-Me-Select heifers since our first sale in 2003.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|-------------------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| NS-Beau's Destination 2038 | 19983881 | Angus | 11/.30 | 75/.41 | 133/.35 | 27/.26 |
| NS-DNT Shaded Time 010 | 19708816 | Angus | 12/.31 | 56/.45 | 109/.40 | 27/.28 |
| NS-Clear Creek Magnitude CC01 | 19758841 | Angus | 11/.37 | 62/.46 | 107/.42 | 38/.33 |

MAST FARMS, LAMAR, MO**417-214-4306**

8, Gelbvieh-Red Angus and Angus-Gelbvieh cross heifers; red and black; synchronized and AI bred on natural heat; due to calve between February 7th and April 20th; heifers should calve at 24 months of age; raised on fescue with electric fence; vaccinated with Vira Shield 6VL5 HB; gentle - bunk broke.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|--------------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| AI-9 Mile Franchise 6305 | 3555188 | Red Angus | 16/.83 | 57/.91 | 106/.91 | 36/.76 |
| AI-G A R Momentum | 17354145 | Angus | 15/.86 | 55/.93 | 100/.90 | 30/.82 |
| NS-MR Newport Sure Shot | 1500941 | Balancer | 15/.42 | 72/.43 | 118/.43 | 23/.19 |

NOLAN KLEIBOEKER FARM, LLC, WENTWORTH, MO nolan.kleiboeker@plantpioneer.com 417-489-1955

10, Black white-faced Angus x Hereford crossed heifers; Due to calve February 14th to March 7th; ultrasound preg checked; broke to electric fence; Majority of heifers have black pigment around their eyes.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|---------------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| AI-Tehama Patriarch F028 | 18981191 | Angus | 15/.85 | 64/.92 | 127/.87 | 31/.44 |
| NS-Worthington Ashland 02 | 19945187 | Angus | 12/.36 | 68/.46 | 118/.42 | 28/.33 |

KUNKEL FARMS RED ANGUS, NEOSHO, MO**kunkelfarms@netins.web****417-455-3597**

10, home-raised, Red Angus heifers; Due to calve between February 14th and April 15th. This is our 27th SMS Sale.

| <u>Service Sire</u> | <u>Reg. No.</u> | <u>Breed</u> | <u>CED/Acc</u> | <u>WW/Acc</u> | <u>YW/Acc</u> | <u>Milk/Acc</u> |
|-------------------------------|-----------------|--------------|----------------|---------------|---------------|-----------------|
| AI-Bieber CL Stockmarket E119 | 3751659 | Red Angus | 17/.79 | 76/.89 | 127/.89 | 22/.44 |
| NS-Dunks Epic Quarterback19 | 4274271 | Red Angus | 19/.43 | 49/.45 | 85/.44 | 27/.14 |
| NS-Dunks Right Quarterback 19 | 4274277 | Red Angus | 15/.45 | 60/.47 | 105/.46 | 25/.17 |

*****Notice: New JRS buyers please bring a letter of preapproval from your bank when registering prior to the sale**

ABBREVIATIONS:

| | | | |
|------------|-----------------------------|------------|-------------------------------|
| AI | - ARTIFICIAL INSEMINATION | M | - MILK EPD |
| NAT | - NATURAL SERVICE | YW | - YEARLING WEIGHT EPD |
| BW | - BIRTH WEIGHT EPD | ACC | - ACCURACY |
| CED | - CALVING EASE (DIRECT) EPD | EPD | - EXPECTED PROGENY DIFFERENCE |
| WW | - WEANING WEIGHT EPD | | |