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**JOPLIN REGIONAL
STOCKYARDS**
— ESTD 1931 —

DVAuction
Broadcasting Real-Time Auctions

**Show-Me-Select™
SW MO Bred Heifer Sale
200 Spring Calving Heifers
Friday, November 20, 2026, 7 pm
Joplin Regional Stockyards
10131 Cimarron Road
Carthage, MO 64836**

Consignors

**Joel Bunch, Lebanon, MO
Josh Mahan-Anchor M Cattle Co., Marshfield, MO
Brown Cattle Company, Oronogo, MO
J & J Morgan Farms, Lamar, MO
Show Me Youth Ag Academy, Lamar, MO
Kunkel Farms Red Angus, Neosho, MO
Dan Mahan, Strafford, MO
Show-Me Prime Angus Ranch LLC, Sarcoxie, MO
John Wheeler, Aurora, MO
B6 Farms, Conway, MO
Skyler and Kenny Storie, Storie Farms, Conway, MO
Mast Farms, Lamar, MO**

For more information contact

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To all potential buyers and visitors,

We are pleased to invite you to the Show-Me-Select™ (SMS) Replacement Heifer Program Spring Southwest Missouri Sale, to be held at Joplin Regional Stockyards, 10131 Cimarron Road, Carthage, MO 64836, on November 20, 2026, at 7:00 p.m. This event marks the 57th SW MO sale and will feature an offering of 200 spring-calving bred heifers from 12 consignors in the region.

This sale offers purebred and crossbred heifers from breeds like Angus, Beefmaster, Gelbvieh, Hereford, Red Angus, Simmental, and composites. Some of the heifers have completed an estrous synchronization program followed by artificial insemination (AI) to service sires with high-accuracy expected progeny difference (EPD) numbers, then were exposed to natural service (NS) sires with genomic-enhanced EPDs. More information on heifers and sires is included in the catalog.

The SMS heifer program is a nationally recognized educational program designed to educate producers with the goal of developing and marketing productive females that are expected to calve easily and remain in the herd long-term. All heifers have satisfied minimum standards for reproductive soundness, pelvic size, body condition, weight, and are blemish free. They are bred to bulls that meet stringent calving ease EPD specifications. Additionally, a comprehensive health protocol has been implemented, including confirming heifers test negative for BVD-PI.

Heifers are expected to calve from late January to April 30th, and all have been pregnancy checked within 30 days of the sale. Throughout their development, and prior to sale, heifers have undergone several evaluations to ensure the best quality heifers are available for purchase. **The guarantee is an agreement between the buyer and the consignor; if any issues occur, the consignor must be contacted prior to any action taken using the information provided in the catalog. The consignor guarantees bred heifers to be safe in calf at the time of sale. If a heifer is proven by veterinary exam within 30 days after sale not to have been pregnant, the consignor will replace the heifer or make a financial settlement with the buyer.**

Joplin Regional Stockyards is the sale agent. The catalog lists the sale order, which was set by a drawing among consignors. Each consignor decides which heifers to sell during each rotation. If you're new to buying at Joplin Regional Stockyards, we are happy to welcome you to our sale. Please remember that new buyers need to bring a preapproval letter from their bank when registering before the sale. You can watch a video preview of the heifers at www.joplinstockyards.com. Online bidding and viewing will be available through DVAuction. To bid online, select "Live Auction" and create a new DVAuction account; make sure your account and bank approval are arranged at least four days prior to the sale. For questions or assistance with bank approval, contact Dustin, Misti, or Clay at Joplin Regional Stockyards at (417) 548-2333.

For further details regarding the SMS Replacement Heifer Program, please visit: <https://tinyurl.com/smsprogram>. For inquiries concerning the sale heifers or the program contact either the consignors or myself for additional information. The sale catalog can be accessed at <https://tinyurl.com/smsprogramregionalsales>, and our Facebook page is located at <https://tinyurl.com/SWMOSMSSALEFACEBOOK>. We appreciate your interest and continued support.

The Show-Me-Select™ Replacement Heifers, Inc., a non-profit organization, sponsors this sale in cooperation with the University of Missouri Extension; MU College of Agriculture, Food and Natural Resources; Division of Animal Sciences; MU College of Veterinary Medicine; Missouri Cattlemen's Association; and Missouri Department of Agriculture.

Sincerely,



Patrick Davis
MU Extension Livestock Field Specialist
SW MO SMS Regional Coordinator
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(417) 276-3313

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

Sale order is set by consignors drawing for their spot in the rotation, with each choosing heifers to sell per rotation. Heifers are sold in uniform lots—usually 2 to 6—sorted by breed, color, and size, and expected to calve within 45 days. Once sold, heifers become the buyer's property and risk immediately. The consignor assists loading upon the buyer's instructions, but at the buyer's risk; loading only happens after the sale concludes. Financial transactions are handled by the sale agent and completed before loading. Health papers for all heifers will be available after the sale if needed. All heifers have been tested and found negative for BVD-PI.

ONLINE AUCTION BIDDING

Watch video preview and sale at www.joplinstockyards.com. Arrange online bidding in advance, along with bank approval ahead of time. To set up your account, visit www.joplinstockyards.com, click on Live Auction, choose "Create New DVAuction account," and finish your registration. Afterward, call JRS at least four days before the sale to complete the banking approval process. For questions or help with bank approval, contact JRS at (417) 548-2333 and ask for Dustin, Misti, or Clay.

GUARANTEE

All heifers are guaranteed bred and to remain pregnant for 30 days from the sale date. Calving dates provided are estimates; actual calving may occur within a two-week window on either side of the projected date, even when females have been artificially inseminated at the same time. **The consignor guarantees bred heifers to be safe in calf at the time of sale. If a heifer is proven by veterinary exam within 30 days after sale not to have been pregnant, the consignor will replace the heifer or make a financial settlement with the buyer. If any issues occur, the consignor must be contacted prior to any action taken. The guarantee is an agreement between the buyer and the consignor and not the University of Missouri Extension 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 may be asked to hear both sides and render a decision.

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.

TAGS

All heifers in the sale are identified by a special yellow tag displaying the Show-Me-Select™ (SMS) trademark and name, indicating they have fulfilled all requirements of the Missouri SMS Replacement Heifer Program. Some heifers have a white SMS tag, marking them as Tier Two heifers; see the requirements section in this catalog for full details. The Show-Me-Plus Heifer™ designation applies to heifers that have been tested with a genomic prediction panel approved by MU Extension. Currently, no special tags are used for these heifers.

CONTRIBUTORS

The sale committee and consignors want 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
MU Extension & Engagement
Cedar County MU Extension Center

MU College of Veterinary Medicine
Missouri Department of Agriculture
Jasper County MU Extension Center
Dallas County MU Extension Center

Joplin Regional Stockyards

Missouri Show-Me-Select® Replacement Heifers, Inc.



Program Objectives

- Improved heifer development through a Total Quality Management strategy
- Increased marketing opportunities for and added value for Missouri-raised heifers
- Creation of reliable sources of quality replacement heifers based on management, reproduction and genetics



2026 Requirements for Show-Me-Select Program & Sales

PROGRAM ELIGIBILITY REQUIREMENTS

Enrollment: To enroll heifers in the Show-Me-Select Replacement Heifer Program, contact the regional extension livestock coordinator that serves your region. Enrollment deadlines are February 1st for the spring breeding season and September 1st for the fall breeding season.

Ownership: Heifers enrolled in the program must be owned by Missouri residents. Heifers that are purchased rather than home-raised must be owned a minimum of 60 days prior to breeding. The name and address of the original breeder and the approximate birth dates of the heifers must still be reported for purchased heifers.

BQA Certification: Producers are encouraged to obtain Beef Quality Assurance certification, but it is not required.

Minimum vaccination requirements: Follow label directions for all products used. A comprehensive herd health vaccination program starting at weaning age or before should be administered under the advice and guidance of a veterinarian in the context of a valid veterinary-client-patient relationship. The following vaccination program is required at a minimum:

Calfhood vaccination against Brucellosis (Bangs) is OPTIONAL. Official calfhood vaccination (OCV) tag number will be recorded as a secondary, official ID. Heifers not receiving an official ID at OCV, must receive an official 840 ID. Official 840 ID tags are available from accredited veterinarians through the State Veterinarian's office.

Weaning

Vaccination against IBR, BVD, PI 3, BRSV, leptospirosis (5-way), vibriosis (optional) and 8-way clostridia. Heifers must be 5 months of age or older at time of vaccinations and receive booster vaccination according to label directions.

Prebreeding

Between 30 and 60 days prior to breeding, booster vaccinations must be given against IBR, BVD, leptospirosis (5-way) and vibriosis (optional). Modified live vaccines for IBR and BVD are recommended. If killed viral vaccine products are used, two boosters are strongly recommended.

Pregnancy check

A booster vaccination against leptospirosis (5-way) and clostridia (8-way) is required at pregnancy examination.

Prebreeding evaluation: A prebreeding reproductive evaluation is required for all heifers and must be performed 30 to 60 days prior to breeding. Individual animal identification, pelvic measurement and reproductive tract score is required at this time. Heifers must have a minimum pelvic area of 150 cm². Heifers with a pelvic area smaller than 150 cm² may be re-measured at the initial pregnancy exam, performed within 90 days from the start of the breeding season. At that time, heifers that are re-measured must have a minimum pelvic area of 180 cm² to qualify.

Breeding: Producers using artificial insemination must report breeding dates as well as method of estrus synchronization (if applicable). Natural service bull exposure dates are also reported. To ensure accuracy when distinguishing between AI versus natural service pregnancies, heifers that are bred artificially may not be exposed for natural service for a minimum of:

- 14 days following a non-synchronized, spontaneous estrus.
- 14 days after the administration of PG at the beginning of a synchronized period, when AI is performed on the basis of observed heat.
- 14 days after fixed-time AI when heifers are inseminated by appointment, following administration of an estrus synchronization protocol.

Pregnancy examination: An initial pregnancy examination must be performed within 90 days from the start of the breeding season. Individual animal identification, pregnancy status and fetal age (in days) are required. Reporting of fetal sex is optional. Any heifer that fails to become pregnant, or loses a pregnancy following the original breeding season, is no longer eligible for the program.

GENETIC REQUIREMENTS

Sire requirements: Eligible sires must have known ID, be registered by their respective national breed registry, and have complete EPD information. Sires will be evaluated for qualification in the program based on the EPD provided by their respective breed registry and not on EPD produced by progeny registration in any other breed or hybrid registry. All sires used in conjunction with artificial insemination must have a minimum accuracy value listed in Table 1 on a BIF scale of zero to one for CED EPD's. Sires must meet calving ease EPD requirements listed in Table 2. All Natural Service sires must have GE-EPDs.

Table 1. Active Sire Percentile Rank and Accuracy Requirements

Breed Group	Percentile/EPD Requirement	A.I. Accuracy Requirement
Angus	CED ≥ 7.0	0.80
International Genetic Solutions	CED ≥ 14.0	0.80
Hereford	Upper 25%	0.50
American	Upper 20%	0.60
British	Upper 25%	0.60
Continental	Upper 15%	0.60
Hybrid	Upper 15%	0.60

- All sires must be approved by a Regional Extension Livestock Specialist prior to the planned breeding season.
- Bulls or semen purchased on or after February 1 of the current year must meet the requirements in Tables 1 and 2. Bulls or semen purchased before February 1 must meet the previous year's requirements.
- Two sire classifications will be recognized in SMS Heifer Sales:
 - Artificial insemination sires
 - Natural service sires

Table 2. Service sire EPD requirements for calving ease.

* Check online or with a regional extension livestock specialist for current requirements. Significant changes may occur as genetic evaluations are updated.

For a complete list see the SMS website:
<https://extension2.missouri.edu/programs/show-me-select-replacement-heifer-program>

Service Sire Breed	Minimum Calving Ease EPD
Angus	7.0
Charolais	15.6
Galblviah & Balancer	14.0
Limousin & LimFlex	14.0
Hereford	7.0
Red Angus	14.0
Simmental & SimAngus	14.0

Tier Two Classification: Heifers will be eligible to qualify for Tier Two 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

Show-Me-Plus Classification: Heifers tested with a heifer genomic prediction panel approved by University of Missouri Extension will be given the designation of a Show-Me-Plus Heifer. These include breed association GE-EPD, GeneMax Advantage, Igenity Beef, Inherit Select, 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.

SALE ELIGIBILITY REQUIREMENTS

Parasite control: All heifers must be treated for internal and external parasites within 30 days of sale. Products for internal parasite control must have a label claim for immature stages of the parasite life cycle.

Surgery: Horns and scurs (over 2 inches in length) must be removed and heifers must be completely healed by sale day.

Implants & MGA: It is recommended that heifers not be implanted. If heifers are implanted, it is required that only FDA approved products for replacement heifers be used and administered according to label guidelines. Use of MGA to synchronize estrus is permitted (e.g. for a period of 14 days), but longer term feeding of MGA is prohibited.

Blemishes: Heifers with active cases of Pinkeye or scars resulting from Pinkeye are not eligible for sale. In addition, heifers with rat-tails, bob-tails, frozen ears or other physical blemishes or deformities will not be eligible for sale. The regional sale committees reserve the right to refuse any heifer that does not meet the criteria for blemishes or any heifer deemed to have an undesirable disposition on sale day.

BVD-PI: Heifers offered for sale must be tested and guaranteed negative for BVD-PI.

Inspection of heifers: Heifers will be evaluated prior to sale by a certified USDA grader for frame, muscle, foot and leg conformation, body condition, blemishes and disposition. All heifers must be a frame score of medium or large and a muscle score of No. 1 or No. 2. Heifers should have a hoof claw shape score of 3 to 7 and a hoof set angle of 3 to 7. Leg conformation that results in uncoordinated, slow movement or a stiff, restricted range of motion is not acceptable. Heifers that are severely post-legged, splay-footed, sickle-hocked, knock-kneed, or bucked-kneed will not be eligible for consignment in a sanctioned Show-Me-Select sale. Bred heifers on the day of sale must weigh a minimum of 800 pounds and receive a body condition score within a range of 5 through 8 using a 9 point scale. For more information, refer to MU Extension publication g2093: *Screening Criteria for Show-Me-Select Replacement Heifers*.

Pregnancy: A confirmatory pregnancy examination must be performed within 30 days prior to sale. The consignor guarantees bred heifers to be safe in calf at the time of sale. If a heifer is proven by veterinary exam within 30 days after sale not to have been pregnant, the consignor will replace the heifer or make a financial settlement with the buyer. The consignor must be contacted prior to any action taken. Spring calving heifers must be bred to calve prior to May 1 and fall calving heifers must be bred to calve prior to December 1. Heifers in individual sale lots are grouped to calve within approximately 45 days of each other based on expected calving dates.

CERTIFICATION

An official Show-Me-Select program ear tag is required for sale of heifers as Show-Me-Select heifers. Only heifers that are officially enrolled in the Show-Me-Select Replacement Heifer Program and meet all requirements listed above are eligible receive a certified Show-Me-Select Replacement Heifer ear tag. Misrepresentation, false advertisement or use of the Missouri Show-Me-Select Replacement Heifer trademark, for heifers that do not meet the aforementioned requirements is subject to penalty.

FEE STRUCTURE

An annual membership fee of \$25 will be assessed from each producer. An enrollment fee of \$2 per heifer will be assessed at prebreeding on heifers entered into the program. All forms for prebreeding must be submitted prior to pregnancy exam. A certification tag fee of \$20 per heifer will be assessed at the time Show-Me-Select qualified heifers receive their official tag. An official Show-Me-Select ear tag is required for heifers to sell through a sanctioned sale or private treaty but is optional for heifers retained on-farm.

Show-Me-Select Replacement Heifers, Inc.

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Show-Me-Plus Classification:



Heifers tested with a heifer genomic prediction panel approved by University of Missouri Extension will be given the designation of a Show-Me-Plus Heifer. These include breed association GE-EPD, GeneMax Advantage, Igenity Beef, Inherit Select, 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.



This logo shows the farm is Beef Quality Assurance (BQA) Certified. BQA offers U.S. beef producers guidance on best practices in cattle management, focusing on husbandry, handling, facilities, transport, record keeping, and herd health. With BQA certification, farms demonstrate commitment to food safety, animal welfare, and beef quality. While MO Show-Me-Select™ Replacement Heifer Program producers are encouraged to be BQA certified, it is not required.

Using Catalog EPD information

Expected Progeny Difference (EPD): Provides the best means for comparing animals' genetic merit within a breed. It combines individual performance data with that from progeny and other relatives, using national sire evaluation information to factor in related traits and herd mate differences. EPD's predict how offspring will perform relative to the breed average; it shows whether progeny are expected to do better or worse than those of average parents but does not indicate "good" or "bad" performance. Breeders should assess which traits matter most to their program and use EPDs accordingly. EPD definitions will be discussed by breed of bulls represented to help in understanding catalog information

Angus (for more info go to <https://www.angus.org/tools-resources/national-cattle-evaluation/epd-value-definitions>)

Calving Ease Direct (CED): is expressed as a difference in percentage of unassisted births, with a higher value indicating greater calving ease in first-calf heifers. It predicts the average difference in ease with which a sire's calves will be born when he is bred to first-calf heifers.

Weaning Weight EPD (WW): expressed in pounds, is a predictor of a sire's ability to transmit weaning growth to his progeny compared to that of other sires.

Calving Ease Maternal (CEM): is expressed as a difference in percentage of unassisted births with a higher value indicating greater calving ease in first-calf daughters. It predicts the average ease with which a sire's daughters will calve as first-calf heifers when compared to daughters of other sires.

Maternal Milk EPD (Milk): is a predictor of a sire's genetic merit for milk and mothering ability as expressed in his daughters compared to daughters of other sires. In other words, it is that part of a calf's weaning weight attributed to milk and mothering ability.

Functional Longevity EPD (FL): expressed in number of calves, is a predictor of the number of calves a sire's daughters are predicted to produce by 6 years of age compared to that of other sires' daughters. A higher EPD is the more favorable direction indicating more calves produced on average.

Mature Weight EPD (MW): expressed in pounds, is a predictor of the difference in mature weight of daughters of a sire compared to the daughters of other sires.

Marbling EPD (MARB): expressed as a fraction of the difference in USDA marbling score of a sire's progeny compared to progeny of other sires.

Ribeye Area EPD (RE): expressed in square inches, is a predictor of the difference in ribeye area of a sire's progeny compared to progeny of other sires.

Maternal Weaned Calf Value (\$M): an index, expressed in dollars per head, predicts profitability differences from conception to weaning with the underlying breeding objective assuming that individuals retain their own replacement females within herd and sell the rest of the cull female and all male progeny as feeder calves.

Beef Value (\$B): a terminal index, expressed in dollars per carcass, to predict profitability differences in progeny due to genetics for postweaning and carcass traits.

Combined Value (\$C): an index, expressed in dollars per head, which includes all traits that make up both Maternal Weaned Calf Value (\$M) and Beef Value (\$B) with the objective that commercial producers will replace 20% of their breeding females per year with replacement heifers retained within their own herd. The remaining cull heifer and steer progeny are then assumed to be sent to the feedlot where the producers retain ownership of those cattle and sell them on a quality-based carcass merit grid.

Using Catalog EPD information (continued)

Gelbvieh/Balancer (<https://gelbvieh.org/genetic-technology/epd-info/epd-definitions>)

Calving Ease Direct (CED): Percent of unassisted births of a bull's calves when he is used on heifers. A higher number is favorable, meaning better calving ease. This EPD can be vital to a rancher looking to decrease the amount of calves pulled in his herd.

Milk (Milk): The genetic ability of a sire's daughters to produce milk expressed in pounds of weaning weight.

Calving Ease Maternal (CEM): Represented as percent of unassisted births in a sire's first-calving daughters. A higher number represents more favorable calving ease. This EPD is important to a rancher's bottom line because it predicts which animals produce daughters with a genetic pre-disposition to calve unassisted as heifers.

Stayability (STAY): Predicts the genetic difference, in terms of percent probability, that a bull's daughters will stay productive within a herd to at least six year of age. The stayability EPD is one of the best measures currently available to compare a bull's ability to produce females with reproductive longevity.

Weaning Weight (WW): Predicts the difference, in pounds, for weaning weight (adjusted to age of dam and a standard 205 days of age). This is an indicator of growth from birth to weaning.

Mature Weight (MWT): Body weight of cows adjusted to six years of age at body condition score 5. MWT is reported in pounds and is computed from a genetic model that leverages information from weaning weight, post-weaning gain, and mature weights of cows. Reported weights are adjusted for both age at observation and for body condition.

Ribeye Area (CREA): Differences in ribeye area in inches between the 12th and 13th rib. Greater ribeye areas are preferable.

Marbling (MARB): Predicts the differences in the degree of marbling within the ribeye as expressed in marbling score units. Greater marbling numbers are preferable and are an indicator of higher carcass quality grades.

Maternal Profit Index (MPI): In this production scenario, Gelbvieh bulls are mated to Angus-based cows with surplus calves marketed at weaning, with replacement heifers retained from the calf crop.

Feeder Profit Index™ (FPI™): Envisioned as a completely terminal index, FPI assumes all calves are marketed as finished beef carcasses priced on a value-based grid.

Total Profit Index (TPI): Combining replacement female retention from the herd with carcass endpoint for marketed surplus heifers and all steers, TPI balances both maternal and terminal selection criteria.

Hereford (<https://hereford.org/genetics/breed-improvement/trait-definitions/>)

Calving Ease Direct (CE): is based on calving ease scores and birth weights and is measured on a percentage. CE EPD indicates the influence of the sire on calving ease in females calving at 2 years of age.

Weaning Weight (WW): estimate of pre-weaning growth that is measured in pounds.

Maternal Milk (MM): of a sire's daughters is expressed in pounds of calf weaned. It predicts the difference in average weaning weights of sires' daughters' progeny due to milking ability.

Maternal Calving Ease (MCE): predicts how easily a sire's daughters will calve at two years of age and is measured on a percentage.

Mature Cow Weight (MCW): designed to help breeders select sires that will either increase or decrease mature size of cows in the herd.

Ribeye Area (REA): reflects differences in an adjusted 365-day ribeye area measurement based on carcass measurements of harvested cattle.

Marbling (MARB): reflect differences in an adjusted 365-day marbling score (intramuscular fat, [IMF]) based on carcass measurements of harvested cattle.

Baldy Maternal Index (BMI\$): is a maternally focused index that is based on a production system that uses Hereford x Angus cross cows. Progeny of these cows are directed towards Certified Hereford Beef.

Certified Hereford Beef Index (CHB\$): is a terminal sire index that is built on a production system where Hereford bulls are mated to mature commercial Angus cows where all progeny will be targeted for Certified Hereford Beef after the finishing phase.

Red Angus (<https://redangus.org/genetics/ranchers-guide-to-epds/>)

Calving Ease Direct (CED): predicts differences in the percent of calves born unassisted out of 2-year-old dams.

Weaning Weight (WW): predicts differences in 205-day weaning weight.

Milk (MILK): predicts differences in weaning weight attributed to the milking ability of the animal's daughters.

Calving Ease Maternal (CEM): predicts differences in the percent of daughters who are able to calve unassisted as 2-year-old heifers.

Stayability (STAY): predicts differences in the ability of an animals' retained daughters to remain productive in the herd-calve every year-through 6 years of age.

Marbling (MARB): predicts differences in marbling score – amount of intramuscular fat measured at the 13th rib.

Ribeye Area (REA): predicts differences in square inches of ribeye area measured at the 13th rib.

Profitability and Sustainability (ProS): is an all-purpose index that predicts average economic differences in all segments in the beef supply chain.

Using Catalog EPD information (continued)

Red Angus (<https://redangus.org/genetics/ranchers-guide-to-epds/>) (continued)

HerdBuilder (HB): is a maternal selection index that predicts the economic differences of animals for traits that are important from conception through weaning.

GridMaster (GM): is a selection index that predicts the average economic difference of non-replacement calves through the postweaning phase of production.

Simmental (<https://tinyurl.com/SIMMEPD-INDEXDEFF>)

Calving Ease Direct (CE): Reported as the difference in probability of calves being born unassisted out of first-calf heifers.

Calving Ease Maternal (MCE): Reported as the difference in probability of daughters calving unassisted as first-calf heifers.

Milk (MLK): Reported as the difference in maternal pounds of weaning weight from an individual's daughters due to milk.

Stayability (STAY): Reported as the difference in probability of a sire's daughters staying in the herd until 6 years of age, given that they calved as a 2-year-old.

Mature Weight (MW): Reported as the difference in pounds of cow body weight at six years of age and body condition score of 5.

Weaning Weight (WW): Reported as the difference in pounds of progeny weaning weight.

Ribeye Area (REA): Reported as the difference in square inches of ribeye area between the 12th and 13th rib.

Marbling Score (MARB): Reported as the difference in progeny carcass marbling score.

All-Purpose Index (\$API): Evaluates sires for use on the entire cow herd (bred to both Angus first-calf heifers and mature cows) with the portion of their daughters required to maintain herd size retained and the remaining heifers and steers put on feed and sold on a grid (carcass grade and yield). Use if you are planning on retaining females.

Terminal Index (\$TI): Evaluates sires for use on mature Angus cows with all offspring put on feed and sold on a grid (grade and yield). Use in a straight terminal breeding program.

Black Hereford

Calving Ease Direct (CED): Percent of unassisted births of a bull's calves when he is used on heifers. A higher number is favorable, meaning better calving ease. This EPD can be vital to a rancher looking to decrease the amount of calves pulled in his herd.

Milk (Milk): The genetic ability of a sire's daughters to produce milk expressed in pounds of weaning weight.

Calving Ease Maternal (CEM): Represented as percent of unassisted births in a sire's first-calving daughters. A higher number represents more favorable calving ease. This EPD is important to a rancher's bottom line because it predicts which animals produce daughters with a genetic pre-disposition to calve unassisted as heifers.

Stayability (STAY): Predicts the genetic difference, in terms of percent probability, that a bull's daughters will stay productive within a herd to at least six year of age. The stayability EPD is one of the best measures currently available to compare a bull's ability to produce females with reproductive longevity.

Weaning Weight (WW): Predicts the difference, in pounds, for weaning weight (adjusted to age of dam and a standard 205 days of age). This is an indicator of growth from birth to weaning.

Ribeye Area (CREA): Differences in ribeye area in inches between the 12th and 13th rib. Greater ribeye areas are preferable.

Marbling (MARB): Predicts the differences in the degree of marbling within the ribeye as expressed in marbling score units. Greater marbling numbers are preferable and are an indicator of higher carcass quality grades.

All-Purpose Index (\$API): Evaluates sires for use on the entire cow herd (bred to both Angus first-calf heifers and mature cows) with the portion of their daughters required to maintain herd size retained and the remaining heifers and steers put on feed and sold on a grid (carcass grade and yield). Use if you are planning on retaining females.

Terminal Index (\$TI): Evaluates sires for use on mature Angus cows with all offspring put on feed and sold on a grid (grade and yield). Use in a straight terminal breeding program.

Other Catalog Abbreviations

Artificial Insemination (AI)

Natural Service (NS)

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

Joel Bunch
Lebanon, MO



(417) 664-5798
88bunch@gmail.com

24, Angus, Red Angus, and Simmental cross home raised heifers. Heifers are out of simangus, and red angus cows sired by Wallstreet angus bulls. Gentle and handfed. Use to electric fence and rotational grazing. Service sires are flush brothers for a more uniform calf crop.

Expected Calving Dates: NS: 2/1 to 4/15

NS Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
WSC Nobility M170 (Reg #21090976)	Angus	288	53	181	13	13	71	24	0.97	66	1.13	1.21
		40	80	30	10	10	50	70	90	55	10	20
WSC Nobility M193 (Reg #21090977)	Angus	301	49	194	9	10	96	28	1.00	125	1.22	0.81
		35	85	20	30	35	3	40	80	5	10	50

Josh Mahan-Anchor M Cattle Co.
Marshfield, MO

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jmahan@mowisp.net

21, Home-raised Angus X Beefmaster Cross Heifers. Heifers are moderate framed and developed on a fescue based rotational grazing system. 18 blacks, 3 reds. These heifers will have good bags, feet, slick hair coats, and docile dispositions. They will raise long bodied, deep gutted calves. This is my third SMS sale.

Expected Calving Dates: AI: 1/29 NS: 2/12 to 4/12

AI Service Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
Basin True Grit 1021 (Reg #20072762)	Angus	370	79	224	9	9	73	32	0.94	65	1.18	1.47
		5	25	10	30	45	40	20	95	55	10	5
NS Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
BRCC Deadwood 3666 (Reg #21004276)	Angus	276	38	183	9	11	83	21	0.93	119	0.61	1.05
		50	95	25	30	25	20	85	95	10	65	30

Brown Cattle Company
Oronogo, MO

(417) 674-1396
(417) 317-4137
browncattlecompany1@gmail.com

26, Angus and Angus-cross Bred Heifers. 14 are AI bred to Connealy Commerce, one of the most widely recognized young Angus sires in the breed offering an impressive combination of calving ease, growth and carcass merit. The remainder of the heifers are bred natural service to Angus and SimAngus bulls. They have been developed to make practical, productive cows and should fit well into any commercial operation. Heifers are broke to hot wire.

Expected Calving Date: AI 3/27 NS: 4/12 to 4/22

AI Service Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
Connealy Commerce <i>(Reg #20132642)</i>	Angus	331	79	194	13	15	88	23	1.04	83	1.07	1.05
		15	25	20	10	4	10	70	55	30	15	20
Angus NS Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
Valley View Rival 430 <i>(Reg #21199342)</i>	Angus	286	73	164	8	11	84	25	1.03	79	0.73	0.65
		45	40	45	40	25	15	60	70	40	50	65
Simmental NS Sire	Breed	\$ API (%)		\$ TI (%)	CE (%)	MCE (%)	WW (%)	MLK (%)	STAY (%)	MW (%)	REA (%)	MARB (%)
5KCC Remnant N506 <i>(Reg #4569907)</i>	SimAngus	111.6		71.1	14.2	6.8	75.5	20.4	12.9	145.9	0.76	0.01
		85		90	30	55	60	85	75	30	40	99
5KCC Remedy M470 <i>(Reg #4478014)</i>	Simmental	140.4		74.9	15.4	6.2	65.3	19.6	17.1	96.8	0.46	0.19
		45		75	10	40	95	80	40	90	99	50

J & J Morgan Farms
Lamar, MO



(417) 214-9797
lpaiage42@gmail.com

23, F1 Angus X Hereford Cross Heifers. This is a quality set of baldy and mottled face heifers that are big, stout, and maternal. They should fit into anyone's program, as they were bred on toxic fescue pasture with minimal supplementation and remained slick haired throughout the summer. These heifers will follow a feed bucket, ATV, or truck anywhere you need to take them. They have been on a complete Purina mineral program, which we believe not only promotes healthier heifers but will also result in stronger, healthier calves born. The heifers have been bred to two elite young herd sires that not only exceed SMS requirements but also excel in growth, carcass traits, and maternal strength from their dams. All heifers have been fetal sexed for your convenience. Please give us a call or stop by the farm to view the heifers prior to the sale.

Expected Calving Date: NS: 2/23 to 3/30

NS Service Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
BAR Forge 5166-0792 (Reg #21394475)	Angus	309	73	182	12	10	57	28	1.08	44	1.13	0.99
		30	40	30	15	35	85	40	40	80	10	35
SBG Patriarch 5R N254 (Reg #21495487)	Angus	249	73	136	14	16	69	36	1.11	76	0.47	0.72
		70	40	75	5	2	55	10	30	45	80	55

5, Black Angus Cross Heifers. AI bred to Connealy Guard Rail due to calve in early March. Guard Rail is known for his reliable calving ease, cow-maker type and kind, and top 1% for \$ Maternal with strong marbling. Heifers are hand fed daily and gentle. Pregnancy checked via ultrasound and fetal sexed.

Expected Calving Date: AI: 3/7

AI Service Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
Connealy Guard Rail 923E (Reg #19829215)	Angus	297	113	142	13	11	62	29	1.08	22	0.47	0.77
		30	2	60	10	25	65	30	35	90	75	40

Kunkel Farms Red Angus
Neosho, MO



(417) 455-3597
kunkelfarms@netins.net

10, Red Angus home raised heifers. Developed on southwest Missouri pasture. Our steers we have been feeding in Missouri steer feed out were 100% choice & prime. 70% prime. Two of our natural service bulls are home bred and raised. We are active bidders/buyers of our customers calves. In addition to SMS heifers, we sell bulls private treaty and at Green Springs bull test station.

Expected Calving Dates: AI: 2/2 NS: 2/24-4/30

AI Service Sire	Breed	ProS (%)	HB (%)	GM (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	STAY (%)		REA (%)	MARB (%)
Bieber Jumpstart J137 (Reg #4463653)	Red	112	52	60	15	8	98	30	15		0.62	0.44
	Angus	43	52	38	36	37	3	23	45		6	50
NS Sire	Breed	ProS (%)	HB (%)	GM (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	STAY (%)		REA (%)	MARB (%)
HRP Hollywood 4099M (Reg #4944068)	Red	119	44	75	19	8	76	27	14		0.10	0.99
	Angus	35	71	15	7	26	20	35	61		58	2
Dunk's Complete Beyond 5339 (Reg #5204511)	Red	74	48	26	18	8	60	26	15		-0.12	0.69
	Angus	91	64	93	10	32	76	47	47		91	17
Dunk's Complete Oscar 5334 (Reg #5204501)	Red	143	85	58	15	7	64	28	22		0.01	0.59
	Angus	14	9	39	32	47	58	34	2		75	27

Dan Mahan
Strafford, MO

(417) 880-7586
dmahan@mowisp.net

3, ¼ Beefmaster, ¾ Black Angus Heifers. These three heifers are sired by my ½ Beefmaster ½ Angus bull that is getting very nice calves. Their dams are Angus cross cows that are sired by registered Angus bulls for several generations. They should have good fleshing ability while bred back on time & wean off heavy calves.

Expected Calving Date: NS: 2/10 to 3/1

NS Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
BRCC Deadwood 3666 (Reg #21004276)	Angus	276	38	183	9	11	83	21	0.93	119	0.61	1.05
		50	95	25	30	25	20	85	95	10	65	30

2, Angus Cross Black Baldy Heifers. These heifers are sired by quality registered Angus bulls (Enhance 1338/Hometown 1707) and dams that have been in our herd 6+ years with excellent maternal qualities. Both heifers are “built for breeding”: At 14 months both had repro tract scores of (5) and average pelvic area of 164 cm². They were born early in our calving season, are docile and easy to handle. Both were NS bred, conceiving on first exposure, and ultrasound confirmed to calve 3/25/27. They’re bred to one of the top bulls in the Angus breed for maternal traits, SMPAR Upper Cut 501. His genomically enhanced EPD’s (as of 9/10/26) are heifer pregnancy top 20%, calving ease maternal top 10%, and milk top 2%. His carcass values are outstanding, with marbling at top 1%, fat top 3%, RADG top 10%, and \$G top 1%. He’s a front-pasture bull that you can expect to produce outstanding calves.

We rotationally graze our herd, so the heifers are broke to hot wire and automatic waterers. They’ve been bucket-fed grain supplements to ensure easy handling and to come when called up. You can expect years of healthy, productive cows and calves from these girls.

Expected Calving Date: NS: 3/16-4/16

NS Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
SMPAR Upper Cut 501 (Reg #21272041)	Angus	390	85	235	15	14	67	39	1.11	58	0.85	2.06
		3	20	5	3	10	60	2	30	65	35	1

John Wheeler
Aurora, MO



(417) 839-4702

20, Angus/Herford Cross Heifers. Black white faced & black mottled faced. Ultrasound pregnancy checked; rotational grazed on fescue with electric fences. Will receive 4KC scour vaccine. This is my 41st sale and I have sold 1847 heifers since my first sale in 2003.

Expected Calving Date: NS: 2/17-4/30

NS Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
Composure L327 (Reg #20984075)	Angus	224	45	138	11	11	66	21	1.03	84	0.53	0.86
		75	80	65	20	25	55	80	60	30	70	35
Fireball L410 (Reg #21284399)	Angus	318	69	192	14	16	59	27	1.07	57	0.73	1.24
		25	50	20	5	2	80	45	50	70	50	20

B6 Farms
Conway, MO

(417) 650-1474
emilynicole92@me.com

10 Black/Black white face Angus and Angus/Hereford cross heifers. High quality set of black and black baldy heifers. They are bred to Worthington Veracious 4570 bull with a calving ease of 13. Due to start calving March 30-April 24.

Expected Calving Date: NS: 3/30 to 4/24

NS Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
Worthington Veracious 4570 (Reg #20950408)	Angus	373	76	229	13	8	70	39	1.02	42	1.17	1.90
		5	35	10	10	55	50	2	75	85	10	2

60, home-raised Angus, Hereford, and Beefmaster cross heifers. These heifers are black, BWF, and RWF. Heifers are sired from sires of some of the nation's great seedstock operations including Oleen Brothers, Falling Timber Farms, and the JN Ranch. Some heifers will have a percentage of Beefmaster. Our breeding program produces females that breed and raise calves that will gain. Nearly 100% of our herd calves within a 45-day window, which shows our dedication to maintaining fertility. Heifers are bred to be easy keepers in our fescue environment. These heifers won't disappoint, be sure to look them up at the sale.

Expected Calving Date: NS: 1/15 to 4/30

Angus NS Service Sire	Breed	\$ C (%)	\$M (%)	\$B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
BRCC Jet Pack 2707 (Reg #20690333)	Angus	277	49	176	13	11	71	27	0.95	65	1.11	0.85
		50	85	35	10	25	50	45	95	60	15	45
TR Sonic Boom 3095L (Reg #20813252)	Angus	274	73	155	10	9	73	19	1.12	97	0.71	0.82
		50	40	55	25	45	40	95	25	20	55	45
BRCC Conclusion 4537 (Reg #21268493)	Angus	329	59	208	11	16	87	26	1.14	135	0.97	0.77
		20	70	15	15	2	10	55	15	3	25	50
Hereford NS Sire	Breed		\$BMI (%)	\$CHB (%)	CE (%)	MCE (%)	WW (%)	MM (%)	SCF (%)	MCW (%)	REA (%)	MARB (%)
JMS Victor 882 262 (Reg #P44409965)	Hereford		540	123	9.3	4.0	35	32	29.8	40	-0.05	0.36
			2	50	11	21	97	20	1	2	99	11
FTF Frontier 006H (Reg #P44123207)	Hereford		342	93	8.9	1.0	63	31	16.6	90	0.28	-0.03
			69	93	13	57	25	25	58	49	82	90
FTF Relevant 514N (Reg #P44646274)	Hereford		481	106	15.3	10.4	52	30	26.2	74	0.43	0.45
			7	79	2	1	73	31	2	18	60	6
Black Hereford NS Sire	Breed	\$API (%)		\$TI (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	STAY (%)		CREA (%)	MARB (%)
JN Balder J002N (Reg #HB035234)	Black	190.90		104.70	18.5	8.4	64	24	15.1		0.37	0.46
	Hereford	4		15	15	20	45	75	30		90	5

8, Gelbvieh, Angus, Red Angus Crossbred Home Raised Heifers. Reds and blacks. Synchronized and AI bred on natural heat. Pregnancy checked by ultrasound and fetal sexed. Vaccinated with Vira Shield 6 VL5 HB. Raised on fescue, hot wire broke, hand fed and gentle.

Expected Calving Date: AI 2/7 to 3/1, NS: 2/21 to 4/23

Angus AI Service Sire	Breed	\$ C (%)	\$ M (%)	\$ B (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	FL (%)	MW (%)	RE (%)	MARB (%)
Tehama Tahoe B767 (Reg #17817177)	Angus	274	72	156	9	7	75	23	0.96	62	0.74	0.87
		45	35	45	30	65	35	70	90	55	40	30
Red Angus AI Service Sire	Breed	ProS (%)	HB (%)	GM (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	STAY (%)		REA (%)	MARB (%)
Leland Marksman 6629 (Reg #3543019)	Red Angus	58	3	55	17	9	64	40	6		0.36	0.34
		91	96	44	20	18	62	1	98		19	67
NS Sire	Breed	TPI (%)	MPI (%)	FPI (%)	CED (%)	CEM (%)	WW (%)	Milk (%)	STAY (%)	MWT (%)	CREA (%)	MARB (%)
Mast Mr. Newport 018K (Reg #AMGV1559966)	Gelbvieh	147.99	123.04	97.22	19	10	64	20	19	107.40	0.35	0.26
		25	15	60	4	2	75	75	15	65	90	35