

Show-Me-Select Bred Heifer Sale



90

Crossbred & Purebred Heifers
Mostly Angus & Angus Cross heifers
with a few BWF and Simmental

June 1, 2019 at 6:00 PM
F & T Livestock Market,
Hwy 24 South, Palmyra, MO

Consignors include:

Twin Hill Stock Farm, Silex
Randy and Dusty Baker, LaPlata
MU Greenley Research Center, Novelty
McCutchan Angus, Monticello
Prairie View Farms, Monroe City
David Clark, Edina
Harold Trump, Luray

Mostly bred AI to:

Connealy Front & Center
Connealy Uptown 098E
KM Broken Bow 002
Musgrave Invision
QLC Professional
SS Traveler T510 2T22
Schiefelbein Effective 61

Sponsored by:

University of Missouri Extension

Missouri "Show-Me-Select" Heifers, Inc.

Northeast Missouri Beef Improvement Association

College of Veterinary Medicine

Missouri Cattlemen's Association

Missouri Department of Agriculture

 **Extension**
University of Missouri
An equal opportunity/ADA institution

FOR MORE INFORMATION CONTACT:
Daniel Mallory: (573) 985-3911 or malloryd@missouri.edu

www.nemobeef.com

GENERAL INFORMATION

Auctioneer – Brian Curlless
Sale Agent – F & T Livestock Market

SALE PROCEDURE

The sale order was determined by the sale committee for position in the sale rotation, with each consignor selecting heifers to sell in each rotation. Heifers will be sold in uniform lots sorted according to breed type and size, those selling together are expected to calve in a 45 day period. Heifers become the property of the purchaser immediately after the sale. Each animal will be the purchaser's risk, as soon as sold. The market will aid in the loading of the cattle on instructions from the buyer, but at the buyer's risk. Cattle will be loaded at the conclusion of the sale. All fees will be collected by the F & T Livestock Market and are to be settled prior to loading.

GUARANTEE

All heifers are guaranteed to be bred and remain pregnant for 30 days after the sale; due dates are approximate. Females can range 2 weeks or more even if AI bred on the same day. Any heifer found open (by an accredited veterinarian) will be refunded by the consignor. All guarantees are made by the consignor of the cattle and not the sale committee, the Northeast Missouri Beef Cattle Improvement Association or F & T Livestock Market. Calves of Show-Me-Select replacement 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 Program's terms and conditions for complete guarantee details.

TAGS

A special tag that carries the "Show-Me-Select"TM trademark and name identifies all heifers in the sale and signifies that the heifers have met all the requirements of the Missouri "Show-Me-Select"TM replacement heifer program. Some heifers may carry a white Show-Me-Select tag, explained below, which identifies them as Tier Two heifers.

Tier 2 Classification: Heifers will be eligible to qualify for Tier 2 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 predication 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, Maternal Edge, Herd Navigator, Igenity Gold, Igenity Silver, Method Choice tests. Heifer DNA samples must be submitted and paid for two months prior to sale date.



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.

Adair County Extension Center
F & T Livestock Market
Missouri Cattlemen's Association
Missouri Show-Me-Select Heifers, Inc.
Ralls County Extension Center

College of Veterinary Medicine
Lewis County Extension Center
Missouri Department of Agriculture
NEMO BCIA
University of Missouri Extension

WELCOME

We would like to invite you to attend the 5th annual spring Northeast Missouri Show-Me-Select replacement heifer sale at Palmyra, Mo., June 1, 2019.

The Show-Me-Select heifer program began in Missouri under the leadership of Dr. David Patterson, with the northeast region being one of two pilot regions in the state. The Palmyra sale is one of only two sales that were held the first year.

Since its inception, the Show-Me-Select program has seen an enrollment of approximately 38,880 head of heifers, and with this year's sale, will have sold 6,544 head.

BUYER SATISFACTION

Surveys are sent to buyers from our sales to determine the success rate of their SMS heifers during the calving season. To date, survey results indicate a **91%** buyer satisfaction rate. Results follow:

No. buyers responding – 665

No. heifers purchased – 4,866

No. of heifers assisted at calving – 593 = 12.1%

No. of calves lost due to difficult birth – 270 = 5.5%

No. heifers calving within 2 weeks of projected date from 2018 sale = 95.8%

The national average for assisting first calf heifers is approximately 22%, with death due to calving problems at 8-10%. The Show-Me-Select heifer program continually strives to reduce problematic calving percentages.

QUALITY

This is an outstanding set of heifers. Many of the heifers have a history of performance testing and are out of top performance tested bulls. Sire information on many of the heifers is available upon request. Heifers with blemishes and disposition problems have been culled.

CALVING DATES

Approximately 70% of the heifers have been synchronized and are bred AI, with most being sorted so they calve in less than a two week period. About 92% of the heifers sold in our past four sales calved within two weeks of their projected calving dates.

Heifers will be grouped for the sale according to projected calving dates and uniformity of the heifers.

QUESTIONS

If you have questions feel free to call the consignors or any of us. Hope to see you on sale day.

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MU Extension Livestock Specialist
Ralls County
(573) 985-3911

Zac Erwin
MU Extension Livestock Specialist
Adair County
(660) 665-9866

Brenda Schreck
MU Extension Livestock and Youth Specialist
Lewis County
(573)767-5273

www.nemobeef.com

****HEALTH****

ALL HEIFERS IN THIS SALE HAVE BEEN BRUCELLOSIS CALFHOOD VACCINATED BETWEEN 4 AND 12 MONTHS OF AGE. NECESSARY HEALTH PAPERS WILL BE AVAILABLE ON ALL HEIFERS AFTER THIS SALE. ALL HEIFERS HAVE TESTED NEGATIVE FOR BVD-PI.

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 above established calving ease EPD's minimums, 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.

Spring 2018:

- All heifers must be calfhooed vaccinated for Brucellosis according to Missouri state regulations.
- Heifers are vaccinated for IBR, PI-3, BVD, BRSV and 7-way Clostridia. Label directions concerning initial vaccination and boosters must be followed.
- Use of implants is discouraged. If heifers are implanted, only FDA approved products for replacement heifers are allowed according to label guidelines.
- Long-term use of MGA is prohibited. Use of MGA for periods up to 14 days to synchronize estrus is permitted.
- Internal and external parasites are controlled as needed.
- Heifers must be polled or de-horned and completely healed by sale day.

Fall 2018:

- Pre-breeding reproductive examination is performed.
- Reproductive tract scored, pelvic measurement, weighed.
- Heifers are vaccinated for IBR, BVD, Leptospirosis and Vibriosis between 60 and 30 days prior to beginning of breeding. All vaccinations must follow label directions.
- Internal and external parasites are controlled as needed.

Spring 2019:

- Heifers are pregnancy examined by 90 days to determine breeding dates. (Confirm AI pregnancy or natural service). A preg check is also done within 30 days of the sale.
- Heifers are treated for external and internal parasites within 30 days of sale date. Products for internal parasite control must have a label claim for all stages of the parasite life cycle.
- Leptospirosis (5-way) given at preg check.
- Heifers are examined on sale day by a final screening committee to eliminate blemishes (scarred eyes, frozen ears, short tails, rat tails.) They must have a muscle score of at least a 2 and not have an undesirable disposition.
- Tested negative for BVD-PI.

Heifers must be bred to bulls with birth weight or calving ease EPD's that meet the guidelines for the following breeds 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:

<u>Active Sire Percentile Rank Requirements</u>		<u>Calving Ease</u> (equal to or greater than)	
Angus	CED ≥ 7.0	Angus	7.0
International Genetic Solutions	CED ≥ 13.0	Charolais	9.7
American	Upper 20%	Gelbvieh & Balancer	13.0
British	Upper 30%	Limousin & LimFlex	13.0
Continental	Upper 15%	Hereford	4.7
Hybrid	Upper 15%	Red Angus	13.0
		Simmental & SimAngus	13.0

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 within the breed. For each trait evaluated, the EPD incorporates the animal's individual and progeny performance with 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 trends 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.

Example

Service Sire	BRD	CE	BW	WW	YW	Milk
Lucky Strike 147G	AN	11.2/.12	-1.0/.36	32/.32	55/.31	14/.24

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 indicate greater accuracy and more certainty that the EPD will not change significantly as additional progeny information is obtained. Accuracy values of less than .20 are typical for non-parent bulls.

Birth Weight EPD (BW): The expected difference 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 and post-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.

Spring 2019 Breed EPD Average's for Current Sires within the Breed

Breed (BRD)	CE	BW	WW	YW	Milk
Angus	+6	+1.3	+52	+92	+24
Hereford	+2.1	+3.0	+53	+85	+24
Red Angus	+12	-1.1	+55	+86	+23
Simmental (hybrid)	+11.7	+0.6	+64.5	+98.5	+21.7

Managing Your Show-Me Select Replacement Heifers

Your investment in Show-Me-Select replacement 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 12.5 to 13%. Net energy for maintenance and gain should be approximately 0.65 and 0.32 Mcal/lb, respectively. These energy levels are roughly equal 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, 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 questions.



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pro-disabled and veteran employer.



**Consignments for Northeast Missouri
Show-Me-Select Bred Heifer Sale
June 1, 2019**

Twin Hill Stock Farm, Terry Mudd, Silex

(573) 384-5482, Cell: (636) 262-9428

40 head of home-raised Angus cross heifers. 21-year consignor. Synchronized and bred fixed time AI, then turned in with natural service sires.

Calving dates: AI: 8/23; NS: 9/8 – 10/3.

Service Sires	BRD	CE	BW	WW	YW	MILK
AI – Connealy Uptown 098E	AN	11/.75	0.1/.91	64/.89	112/.86	33/.67
NS – Meyer Bottom Line 1725	AN	11/.19	0.9/.36	51/.32	90/.29	29/.14

Randy Baker, LaPlata

(660) 341-3797

13 head Angus cross heifers. Synchronized and bred fixed time AI, then turned in with natural service sires.

Calving dates: AI: 9/9; NS: 9/23 – 11/11.

Service Sires	BRD	CE	BW	WW	YW	MILK
AI – Connealy Front & Center	AN	16/.76	-1.1/.89	59/.86	102/.80	32/.63
NS – KG Clockwork 6133	AN	9/.31	1.8/.53	60/.46	109/.42	31/.29

MU Greenley Research Center, Novelty

(660) 739-4410

5 head of Angus and Hereford/Angus heifers. 18-year consignor. Several Tier 2 status. Home-raised dams.

All heifers have been vaccinated with LongRange.

Calving dates: NS: 10/5 – 10/30.

Service Sires	BRD	CE	BW	WW	YW	MILK
NS – Perry Standard 524	AN	8/.19	0.2/.37	38/.33	64/.29	31/.19

McCutchan Angus, Monticello

(573) 881-0276

5 head of registered Angus heifers. 23-year consignor. Synchronized and bred fixed time AI, then turned in with natural service sire.

Calving dates: AI: 9/13; NS: 10/4 – 10/15.

Service Sires	BRD	CE	BW	WW	YW	MILK
AI – KM Broken Bow 002	AN	11/.85	-1.7/.95	62/.93	102/.91	26/.78
NS – McCutchan Excitement MA2F	AN	10/.36	-0.8/.53	55/.46	99/.41	25/.31

Prairie View Farms, Greg Drebes, Monroe City

(573) 735-4929, Cell:(573) 248-5814

10 head of Simmental and SimAngus cross heifers. 23-year consignor. Synchronized and bred fixed time AI, then turned in with natural service sires. A really nice set of heifers. Clean-up bull is Musgrave 2545 listed in Beef 360 semen directory.

Calving dates: AI: 9/7; NS: 9/20 – 11/21.

Service Sires	BRD	CE	BW	WW	YW	MILK
AI – S S Traveler T510 2T22	AN	15/.66	-1.0/.85	51/.83	93/.77	26/.68
NS – Musgrave Aviator 2545	AN	9/.40	-1.0/.64	48/.56	85/.48	30/.33

David Clark, Edina**(660) 216-1107**

10 head Angus cross heifers. Synchronized and bred fixed time AI then turned in with natural service sire.

Mostly home raised, native heifers that were raised on fescue .

Calving dates: AI: 9/9; NS: 9/23 – 11/11.

Service Sires	BRD	CE	BW	WW	YW	MILK
AI – Musgrave Invision	AN	8/.67	0.7/.85	70/.84	126/.78	25/.52
AI – QLC Professional	AN	13/.68	-3.6/.85	66/.83	101/.76	14/.66
NS – Panther Cr BlackGranite 6861	AN	7/.36	2.1/.55	58/.48	111/.44	32/.34
NS – Clarks Comrade 058D	AN	11/.26	-1.1/.35	44/.31	79/.28	27/.19

Harold Trump, Luray**Home: (660) 866-2240, Cell: (660) 341-5730**

7 head of purebred Angus heifers. 10-year consignor. Fancy set of Angus heifers out of reputation program for developing bred heifers. AI heifers are home raised on fescue pastures. Heifers are broke to an electric fence and very docile. These heifers are the front pasture kind. Synchronized and bred fixed time AI then turned in with natural service sire.

Calving dates: AI: 9/1; NS: 9/15 – 10/28.

Service Sires	BRD	CE	BW	WW	YW	MILK
AI – Schiefelbein Effective 61	AN	16/.82	-2.0/.92	45/.90	85/.85	27/.69
NS – Deppe Cash 794	AN	9/.34	-0.4/.50	51/.43	89/.38	24/.35

NS - Natural Service

CE - Calving Ease

BW - Birth Weight EPD

WW - Weaning Weight EPD

EPD - Expected Progeny Difference

BRD - Breed

AN - Angus

SM - Simmental

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