



FALL BRED HEIFER SALE

Featuring 140 certified heifers

Saturday, April 30 • Noon

Coffeyville Livestock Market

Coffeyville, KS



K-STATE
Research and Extension

AD ASTRA PER ASPERA
Kansas
Department of Agriculture

SUNFLOWER SUPREME REPLACEMENT HEIFERS

Jim & Donna Bates

Galesburg

Dan Bussinger

Parsons

1 SimAngus **1 head**

4677

Tag # C.D. D.S.
4677 10/15/16 1

Ba-Ler Mr Angus 7030 (Angus)							
CE	BW	WW	YW	Milk	REA	Marb	
11	0.5	51	77	22	0.36	-0.12	
0.26	0.33	0.25	0.27	0.13	0.19	0.26	

Mid October, estimated calving date

Pretty heifer out of a Bismark (Angus) son. She has always been an eye catcher. Bred to our bull Ba-Ler Mr Angus 7030. This mating should be a good match.



Yearling son of Ba-Ler Mr Angus 7030

2 Angus Cross **6 head**

4675, 4676, 4678, 4679, 4680, 4681

Tag # C.D. D.S.
4675 8/28/16 1
4676 9/7/16 1
4678 9/7/16 1
4679 8/18/16 1
4680 8/28/16 1
4681 9/20/16 1

Ba-Ler Mr Angus 7030 (Angus)							
CE	BW	WW	YW	Milk	REA	Marb	
11	0.5	51	77	22	0.36	-0.12	
0.26	0.33	0.25	0.27	0.13	0.19	0.26	

Calving season length one month

These black heifers are bred to our son of Duff Angus 011, Ba-Ler Mr Angus 7030 (Registration #17635669). Bred to calve in 30 days. Mr Angus is proving to be a calving ease sire.



All seven of Bates sale heifers. Baldy is Lot 1

3 Angus—Brangus Cross **2 head**

4081, 4696

A.I. bred to Brangus bull

These home raised heifers are out of Angus or Angus/Brangus cows. These heifers have been determined to be bred A.I. by ultrasound to the Brangus bull Three D 302A.

TJM Three D 302A (Brangus)							
CE	BW	WW	YW	Milk	REA	Marb	
9	0.3	37	66	9	0.72	0.05	
0.60	0.65	0.70	0.41	0.36	0.42	0.84	

Tag # C.D. D.S.
4081 8/31/16 3
4696 8/31/16 3



TJM Three D 302A

4 Angus—Brangus Cross **10 head**

4066, 4069, 4076, 4682, 4684, 4686, 4689, 4695, 4697, 4698

CCR Graduate 1004A(SimAngus)							KB Dakota Gold 402A3 (Brangus)						
CE	BW	WW	YW	Milk	REA	Marb	CE	BW	WW	YW	Milk	REA	Marb
16.2	-3.7	56.4	86.6	20.5	0.96	0.24	6.7	-0.5	34	71	12	0.54	0.11
0.21	0.34	0.31	0.36	0.21	0.23	0.23	0.24	0.34	0.26	0.18	0.10	0.26	0.17

Tag # C.D. D.S.
4066 10/20/16 2
4069 9/30/16 2
4076 10/30/16 3
4682 10/10/16 1
4684 10/10/16 1
4686 9/30/16 1
4689 10/30/16 1
4695 10/30/16 1
4697 9/20/16 2
4698 10/15/16 1

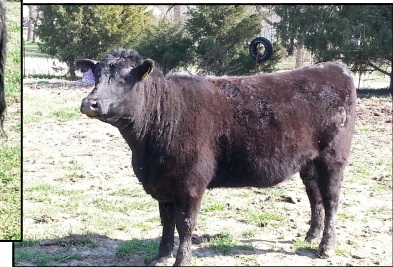
Natural Service Bred to calve in ~45 days

These home raised heifers are out of Angus or Angus/Brangus cows and estimated to calve between September 20 and October 30.

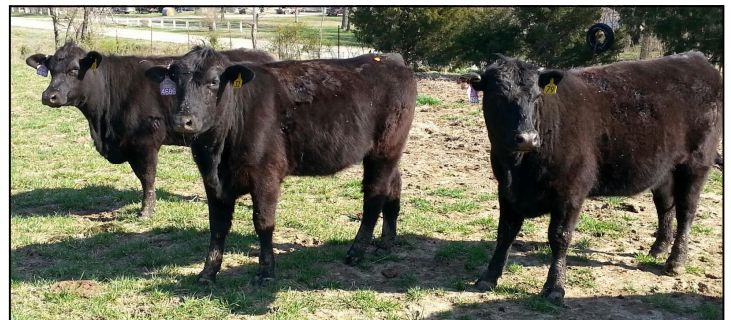
Heterosis effects should be maximized in calves from these matings!



4698



3870



4698, 4686, 4066 (left to right)

Producer Name	City	Phone #	Lots
Jim & Donna Bates	Galesburg	620-778-3987	1-2
Dan Bussinger	Parsons	620-423-2650	3-4
CVR Cattle Company/ Dr. Don Coover	Galesburg	800-443-6389	5-11
Peck Brothers Cattle Company	Erie	620-605-8567	12

SUNFLOWER SUPREME REPLACEMENT HEIFERS

CVR Cattle Company

Galesburg

CVR Cattle Company

Galesburg

5 Charolais Cross 12 head

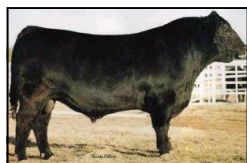
4663, 4665, 4673, 4801, 4808, 4809, 4831, 4840,
4841, 4842, 4845, 4847

AI bred to calve September 14, 2016

These heifers were purchased from Brad Blythe, Uniontown and are out of red and black Angus cows sired by Charolais bulls from Wooden Cross Ranch, Hillsboro, KS. These 12 head were determined to be AI bred to Bon View New Design 1407 by ultrasound. AI date was December 2, 2015 therefore estimated calving date is September 14.

Tag #	C.D.	D.S.	Tag #	C.D.	D.S.
4663	9/14/16	2	4831	9/14/16	1
4665	9/14/16	1	4840	9/14/16	1
4673	9/14/16	1	4841	9/14/16	1
4801	9/14/16	1	4842	9/14/16	2
4808	9/14/16	2	4845	9/14/16	2
4809	9/14/16	2	4847	9/14/16	2

Bon View New Design 1407 (Angus)							
CE	BW	WW	YW	Milk	REA	Marb	
8	0	42	80	31	0.60	0.93	
0.96	0.98	0.98	0.97	0.97	0.84	0.84	



Bon View New Design 1407

These heifers will be split into two lots of 6 head each on sale day.

8 Angus Cross 17 head

4661, 4662, 4666, 4669, 4671, 4803, 4810, 4811, 4813,
4818, 4819, 4820, 4821, 4824, 4832, 4836, 4848

A.I. bred to calve September 14, 2016

These heifers are mostly home raised out of Angus based Simmental and Maine Anjou cross cows. These heifers have been determined to be bred A.I. by ultrasound to Bon View New Design 1407. A.I. date was December 2, 2015 therefore estimated calving date is September 14, 2016.

Heifers will be sorted into 3 sale lots of 6 head, 6 head, and 5 head.

Tag #	C.D.	D.S.	Tag #	C.D.	D.S.	Tag #	C.D.	D.S.
4661	9/14/16	1	4810	9/14/16	1	4821	9/14/16	1
4662	9/14/16	1	4811	9/14/16	1	4824	9/14/16	1
4666	9/14/16	2	4813	9/14/16	2	4832	9/14/16	1
4669	9/14/16	2	4818	9/14/16	1	4836	9/14/16	1
4671	9/14/16	3	4819	9/14/16	3	4848	9/14/16	2
4803	9/14/16	2	4820	9/14/16	1			

6 Charolais Cross 9 head

4805, 4807, 4815, 4826, 4828,
4829, 4839, 4843, 4846

Calving season length ~ 2 weeks in October

These heifers were purchased from Brad Blythe, Uniontown and are out of red and black Angus cows sired by Charolais bulls from Wooden Cross Ranch, Hillsboro, KS. These 9 head were determined to be pasture bred via ultrasound to the Angus bulls McCabe Swrg 309 (Reg #17909196) or SAR Traveler 2116 (Reg #17055573). Estimated calving dates are in the table to the left.

Tag #	C.D.	D.S.
4805	10/4/16	2
4807	10/4/16	1
4815	10/9/16	1
4826	10/4/16	1
4828	10/1/16	1
4829	10/4/16	1
4839	10/14/16	1
4843	10/4/16	2
4846	10/4/16	2

These heifers will be split into two lots on sale date to provide uniform size and weight groups. One lot will have 5 head and the other will have 4 head.

7 Charolais Cross 3 head

4822, 4835, 4838

Estimated calving dates - end of October through mid-November

Tag #	C.D.	D.S.
4822	10/23/16	1
4835	11/4/16	2
4838	11/14/16	1

These heifers were purchased from Brad Blythe, Uniontown and are out of red and black Angus cows sired by Charolais bulls from Wooden Cross Ranch, Hillsboro, KS. These 3 head were determined to be pasture bred via ultrasound to the Angus bulls McCabe Swrg 309 (Reg #17909196) or SAR Traveler 2116 (Reg #17055573). Estimated calving dates are in the table to the left.

SAR Traveler 2116 (Angus)							
CE	BW	WW	YW	Milk	REA	Marb	
10.0	0.1	36	62	18	.	.	
0.21	0.34	0.24	0.17	0.13	—	—	

McCabe Swrg Rito 309 (Angus)							
CE	BW	WW	YW	Milk	REA	Marb	
12	-0.4	29	53	24	0.25	0.11	
0.24	0.35	0.26	0.25	0.17	0.05	0.05	

9 Black Baldy 4 head

4667, 4817, 4827, 4837

Tag #	C.D.	D.S.
4667	9/14/16	1
4817	9/14/16	3
4827	10/4/16	1
4837	9/14/16	3

Natural Service Bred to Angus Bulls

These mostly home raised heifers are out of Angus based Simmental and Maine Anjou cross cows. These 4 head were determined to be pasture bred via ultrasound to the Angus bulls McCabe Swrg 309 (Reg #17909196) or SAR Traveler 2116 (Reg #17055573). Estimated calving dates are in the table to the left.

10 Angus Cross 6 head

4670, 4672, 4823, 4833, 4844, 4850

Natural Service Bred to Angus Bulls

Tag #	C.D.	D.S.
4670	10/4/16	1
4672	10/4/16	2
4823	10/9/16	2
4833	10/9/16	1
4844	10/14/16	1
4850	10/9/16	2

These mostly home raised heifers are out of Angus based Simmental and Maine Anjou cross cows. These 4 head were determined to be pasture bred via ultrasound to the Angus bulls McCabe Swrg 309 (Reg #17909196) or SAR Traveler 2116 (Reg #17055573). Estimated calving dates are in the table to the left.

11 Angus Cross 3 head

4800, 4804, 4825

Natural Service Bred to Angus Bulls

Tag #	C.D.	D.S.
4800	11/14/16	1
4804	11/14/16	1
4825	10/23/16	2

These mostly home raised heifers are out of Angus based Simmental and Maine Anjou cross cows. These 4 head were determined to be pasture bred via ultrasound to the Angus bulls McCabe Swrg 309 (Reg #17909196) or SAR Traveler 2116 (Reg #17055573). Estimated calving dates are in the table to the left.

SUNFLOWER SUPREME REPLACEMENT HEIFERS

Peck Brothers Cattle Company

Erie

12 Charolais Cross **70 head**
4851-4920

Natural service bred to calve September 1 - November 10

These 50% Red Angus—50% Charolais heifers are home raised in Erie, KS and bred to Angus bulls that have been in the Sunflower Supreme program for 3 breeding cycles. Reports from producers and the Pecks indicate these sires are proving to be very easy calving. Fall-bred heifers retained last year on Peck's operation had a 10% calving assistance, in which more than 1/2 of those were abnormal presentation. In another report of spring-bred heifers similar to this lot, 22 out of 23 heifers had NO CALVING ASSISTANCE required.

These heifers will be sorted into 10 head lots on sale day to provide uniform heifers in regards to weight, size, and estimated calving date.

McCabe-ACR Emblazon A3078 (Angus)						
CE	BW	WW	YW	Milk	REA	Marb
10	1.3	41	78	19	0.73	0.02
0.24	0.34	0.25	0.18	0.14	0.19	0.18

McCabe Hoover Dam J283 (Angus)						
CE	BW	WW	YW	Milk	REA	Marb
8	1.1	39	78	24	0.62	0.81
0.29	0.35	0.27	0.21	0.20	0.25	0.23

McCabe PVF Insight 2186 (Angus)						
CE	BW	WW	YW	Milk	REA	Marb
8	0.4	48	85	30	0.83	0.18
0.05	0.05	0.05	0.05	0.05	0.05	0.05

McCabe TSA Hoover Dam 3002 (Angus)						
CE	BW	WW	YW	Milk	REA	Marb
8	1.4	48	87	28	0.89	0.78
0.28	0.31	0.26	0.24	0.21	0.25	0.23

McCabe Bismarck 423 (Angus)						
CE	BW	WW	YW	Milk	REA	Marb
8	0.5	46	85	25	0.50	0.50
0.05	0.05	0.05	0.05	0.05	0.05	0.05

McCabe-ACR Frontman A3063 (Angus)						
CE	BW	WW	YW	Milk	REA	Marb
9	1.1	47	83	22	0.81	0.37
0.27	0.34	0.24	0.15	0.12	0.17	0.18

McCabe PVF Brilliance 2170 (Angus)						
CE	BW	WW	YW	Milk	REA	Marb
9	2.2	41	73	26	0.66	0.25
0.05	0.05	0.05	0.05	0.05	0.05	0.05



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Abbreviations and definitions

Calving Ease Direct (CE), 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.

Birth Weight EPD (BW), expressed in pounds, is a predictor of a sire's ability to transmit birth weight to his progeny compared to that of other sires.

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.

Yearling Weight EPD (YW), expressed in pounds, is a predictor of a sire's ability to transmit yearling growth to his progeny compared to that 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.

Accuracy (ACC), is the reliability that can be placed on the EPD. An accuracy of close to 1.0 indicates higher reliability. Accuracy is impacted by the number of progeny and ancestral records included in the analysis.

C.D., estimated calving date as determined by a licensed veterinarian.

D.S., disposition score, based on a scale of 1-6 with a 1 being the most docile to a 6 being very aggressive. Further descriptions of scoring system is in the table below.

A.I., artificial insemination

N.S., natural service sire. This includes clean-up bulls

* EPD definitions adopted from the American Angus Association

Disposition Scoring						
Score	1	2	3	4	5	6
Adjective	Docile	Restless	Nervous	Flighty (Wild)	Aggressive	Very Aggressive

Sire Name (Breed)						
CE	BW	WW	YW	Milk	REA	Marb
10.5	-5.0	80	110	35	-0.001	-0.001
0.60	0.60	0.45	0.23	0.25	0.15	0.20

EPD values →
Accuracy →

SUNFLOWER SUPREME REPLACEMENT HEIFER PROGRAM

Joint program between K-State Research and Extension and the Kansas Department of Agriculture. Kansas State University, County Extension Councils, Extension Districts, and U.S. Department of Agriculture Cooperating. K-State Research and Extension is an equal opportunity provider and employer



OVERVIEW OF SUNFLOWER SUPREME REPLACEMENT HEIFERS

Strict guidelines

All heifers that are certified by the purple eartags have met strict guidelines in regards to health and reproductive care. All heifers come with documents supporting their management and have been 3rd party verified by Extension personal at Kansas State University. An overview of minimal requirements that all heifers have met are described below:

Health:

- ◆ BVD-PI negative test
- ◆ Bangs vaccination
- ◆ Weaning and booster vaccination against IBR, BVD (Type I and II), PI-3, BRSV, Leptospirosis, and Vibriosis
- ◆ Pre-breeding vaccination against BVD, IBR, Leptospirosis, and Vibriosis
- ◆ Pregnancy exam vaccination against Leptospirosis

Pre-breeding Exam:

- ◆ Heifers were checked by veterinarians to determine normal pelvic shape and reproductive tract and that heifers had a minimum of 130 cm sq pelvic area

Sire Usage and Breeding:

- ◆ All sires used to breed Sunflower Supreme heifers are registered with a known breed association and were approved prior to use based on criteria described online and with educational packets. To summarize, for each breed classification minimal cutoff values for Calving Ease EPD were determined based on percentile ranks within each respective breed association.

All heifers bred by A.I. have a minimum accuracy of 0.60 for Calving Ease EPD. All sires (A.I., natural service, and clean-up bulls) must have met EPD requirements prior to use on heifers. Maximal breeding season is 60 days, with an additional caveat that A.I. heifers must have a 14-day gap between A.I. date and clean-up.

Sale generalities

- ◆ Heifers are confirmed pregnant by salebarn veterinarian
- ◆ Coffeyville Livestock Auction has online bidding options available via CattleUSA.com.

Once heifers leave the sale facility, ALL SALES final, unless specified by seller.

Consigner information is provided with heifers in this catalog and any specific questions about the heifers or management contact the consigner.

A survey will be sent to buyers within the year to capture heifer performance information. The survey will help in future directions and guideline requirements for the program in order to continually improve the product.

All information is true to the best of our knowledge and Sunflower Supreme certification occurred once all requirements were met.



K-STATE
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