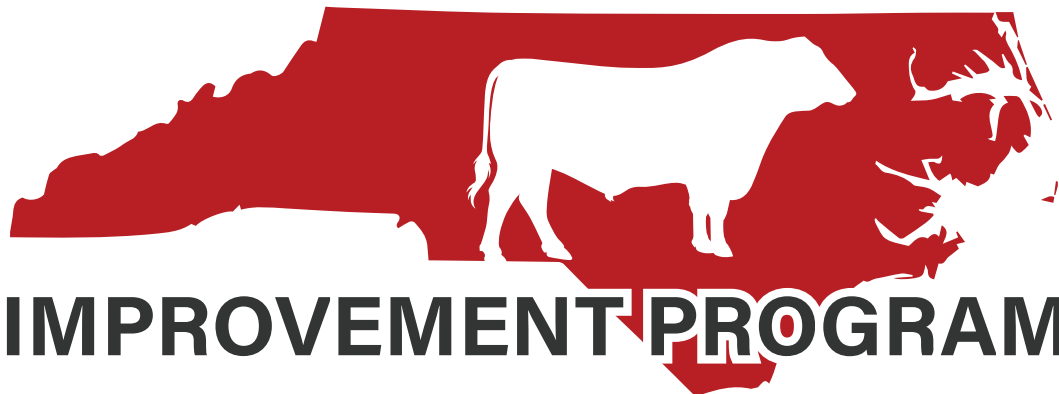


**40th Annual**  
**North Carolina BCIP**  
**Butner Bull Test Sale**

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**NC BEEF CATTLE**



**Friday - December 15, 2023**  
**12:00 NOON**

**SELLING 40 BULLS**

34 Angus, 4 Hereford, 1 Red Angus, 1 SimAngus

**Granville County Livestock Arena**  
**Oxford, North Carolina**  
**919/422-9108 • 336/504-7268**

**NC STATE** EXTENSION



Johnny Rogers 336.504.7268

Bryan Blinson  
919.552.9111

# NORTH CAROLINA BEEF IMPROVEMENT PROGRAM

**NC STATE UNIVERSITY**

**Campus Box 7621  
Raleigh NC 27695-7621  
Phone: 919.515.4027  
Fax: 919.515.6884**

The 40th Annual NC BCIP Butner Bull Test Sale will be held at Noon on Friday, December 15, 2023 at the Granville County Livestock Arena. The bulls will be moved to the livestock arena on Thursday, December 14, 2023. All bulls sold have a floor of \$2,000. If you would like to visit the bull test station prior to the sale contact Greg Shaeffer 919.471.6872 to make an appointment. If you have any questions regarding the sale call Johnny Rogers 336.504.7268. Directions to the livestock arena are on the back of this catalog.

We will work with EB Harris to provide buyers the option to bid for bulls online. Go to [ww.ebharris.com](http://ww.ebharris.com) for information on registering for online bidding. If you would like to bid over the phone contact Johnny Rogers or Bryan Blinson 919.422.9108.

The Butner Bull Test Station is located on the Butner Beef Cattle Field Laboratory managed by the North Carolina State University Agricultural Research Service. The test and sale is sponsored by the North Carolina Beef Cattle Improvement Program and conducted through the cooperative efforts of the North Carolina Cattlemen's Association, North Carolina State Agricultural Research Service, North Carolina Department of Agriculture and North Carolina Cooperative Extension. As always, Greg Shaeffer and the staff at the Butner Beef Cattle Field Laboratory have done an excellent job with bull care and development.

All bulls in the sale have genomically enhanced EPDs to improve their EPD accuracy and you will find the percentile ranking for each EPD in the catalog. In addition, a full description of each breed association's genetic predictions are included to help you interpret these numbers for selecting the bulls to fit your needs.

You may also contact the numbers below for assistance with sight-unseen bidding if you are unable to attend. In case of inclement weather, call one of the phone numbers below after 10:00 am on Friday, December 15 to get a definite status of the sale.

**336-504-7268**

**919.422.9108**

## ***TERMS AND CONDITIONS OF SALE***

- The terms of the sale are cash or check.
- All animals are sold at public auction to the highest bidder.
- The auctioneer will settle any dispute as to bids. Cattle will remain property of owner until sold.
- Each animal becomes the property of the purchaser as soon as sold but will not be released until payment is received.
- Certificates of registry and transfer are furnished to the buyer by the respective breed association.
- All bulls are guaranteed to be in good health and sound.
- All bulls are guaranteed breeders if properly fed and managed. Rules and Regulations adopted by the respective breed association shall determine whether an animal is a breeder. Each buyer will receive a written statement, which specifies the procedure to follow in case a bull is claimed to be a non-breeder.
- The auctioneer will call any changes or corrections to the information in the catalog and these will take precedence and supersede any other statements.
- Neither the sale manager nor any person connected with the management of the sale assumes any liability, legal or otherwise. The Association acts as an agent only and will not be responsible for contract.
- All persons attending sales do so at their own risk. Neither the sale manager nor any person connected with the management of the sale assumes any responsibility for the safety of the building, premises or for the behavior of the animals.

**2023 Butner Bull Test Sale Order**

Tag	Weight 11/7	Price	Tag	Weight 11/7	Price
<b>Angus</b>			<b>SimAngus</b>		
1	1460		54	1253	
45	1275		<b>Red Angus</b>		
11	1408		47	1208	
7	1463		<b>Angus</b>		
6	1438		17	1150	
4	1383		3	1290	
24	1285		38	1163	
2	1328		14	1208	
12	1373		23	1160	
31	1338		8	1250	
35	1255		44	1130	
10	1298		18	1105	
20	1183		28	1220	
21	1253		29	1183	
19	1238		9	1270	
5	1250		36	1118	
25	1160		15	1208	
22	1205		27	1173	
<b>Hereford</b>			41	1118	
51	1205		33	1083	
49	1153				
50	1070				
48	1150				

**Butner Consignor Index**

<u>Angus (34)</u>	<u>Phone Number</u>	<u>Lot Number</u>
Tim Aldridge - Oakview Farms – Yanceyville, NC	336.421.3853	1,2,3,4,5,6,7
John Smith – Panther Creek Farms - Pink Hill, NC	252.526.1929	8,9,10,11,12
Dennis Overcash – Overcash Angus Farm – Mooresville, NC	704.663.2547	14,15
Henry & Donna Vines – H & D Angus - Snow Camp, NC	336.227.1761	17,18,19,20,21,22,23,24,25
Tim & Faye Raynor – Rock Hill Cattle Co. - Highland Village, TX	214.277.4088	27,28,29,31,33
Marty Rooker – Smith Creek Angus Farm – Warrenton, NC	252.257.2078	35,36,38,41
Daniel Wall – Highland Angus Farm – Connelly Springs, NC	828.502.9117	44,45
<u>Simmental/SimAngus (1)</u>		
Doug Keziah – Keziah Farms – Monroe, NC	704-242-1763	54
<u>Hereford (4)</u>		
Lavette Teeter – Will-Via Polled Herefords – Mooresville, NC	704-662-5262	48
Jim Davis – Terrace Farms – Lexington, NC	336-247-1554	49,50,51
<u>Red Angus (1)</u>		
Jerry Simpson – Phoenix Red Angus – Waxhaw, NC	704-302-2940	47

**1 OAKVIEW PATRIARCH 622** ANGUS  
 Reg. No. 20702656 Tattoo 622 DOB 9/08/2022 PB  
 Consignor OAKVIEW FARM

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	68	859	4.3	1368	53.00	1460	39	1.0	3.72	13.2	0.26	
Ratio/FS	119	117	122	120	6.5				97	97	93	

S S NIAGARA Z29 AAA #\*17287387 [RDF]

**TEHAMA PATRIARCH F028 AAA \*18981191**  
 TEHAMA ELITE BLACKBIRD D826 AAA 18317128

K C F BENNETT SOUTHSIDE AAA #\*16430862

**OAKVIEW SOUTHSIDE 1220 AAA 20646058**  
 OAKVIEW IMPRESSION 2315 AAA #18523880

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	5	1.7	71	135	0.30	0.9	1.28	27	17.4	13	34	81	0.7
% Rank	65%	65%	30%	15%	20%	15%	25%	15%	10%	10%	10%	35%	25%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-30	0.47	0.52	54	0.73	0.64	-0.11	74	69	92	59	151	270
% Rank	85%	40%	70%	40%	40%	50%	20%	25%	25%	35%	35%	35%	25%

**2 OAKVIEW HICKOK 1822** ANGUS  
 Reg. No. 20702655 Tattoo 1822 DOB 10/02/2022 PB  
 Consignor OAKVIEW FARM

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	68	810	3.6	1296	52.00	1328	36	1	4.05	13.5	.32	
Ratio/FS	103	110	103	114	6.1				106	99	114	

CONNELLY CONSENSUS 7229 AAA #\*16447771

**MILL BAR HICKOK 7242 AAA #\*17351674**  
 MILL BAR BEMINDFUL MAID 6304 AAA 17090838

MEAD MAGNITUDE AAA \*18543414

**OAKVIEW MAGNITUDE 1120 AAA 20632466**  
 OAKVIEW PERFORMER 2409 AAA 16688678

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	10	-0.3	69	120	0.28	0.8	0.82	24	16.1	9	32	74	0.6
% Rank	20%	20%	35%	35%	30%	25%	55%	25%	15%	45%	15%	40%	30%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-25	0.49	0.47	40	0.50	0.88	-0.18	72	73	78	51	129	239
% Rank	75%	50%	45%	75%	65%	20%	15%	30%	15%	65%	50%	65%	55%

**3 OAKVIEW MAGNITUDE 922** ANGUS  
 Reg. No. 20702658 Tattoo 922 DOB 9/13/2022 PB  
 Consignor OAKVIEW FARM

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	72	645	3.3	1158	53.0	1290	37	1	4.64	11.9	.29	
Ratio/FS	97	88	95	102	6.3				121	88	104	

K C F BENNETT SOUTHSIDE AAA #\*16430862

**MEAD MAGNITUDE AAA \*18543414**  
 MEAD PRIMROSE N198 AAA #\*17895117

W H S LIMELIGHT 64V AAA #\*16073564

**OAKVIEW LIMELIGHT 3117 AAA 19501855**  
 MISS OAKVIEW DESIGN 3103 AAA 14636190

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	4	2.5	70	126	0.24	0.9	1.85	28	13.9	12	35	72	0.6
% Rank	70%	80%	30%	25%	60%	15%	5%	10%	30%	15%	10%	45%	30%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-26	0.57	0.55	56	0.71	0.50	-0.13	67	69	93	56	149	260
% Rank	80%	80%	85%	35%	45%	75%	20%	40%	25%	35%	40%	40%	35%

**4 OAKVIEW MAN IN BLACK 722** ANGUS  
 Reg. No. 20702657 Tattoo 722 DOB 9/11/2022 PB  
 Consignor OAKVIEW FARM

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	61	682	3.8	1274	53.5	1383	35.5	1	4.92	13.1	0.4	
Ratio/FS	93	93	111	112	6.6				128	96	143	

BAR R JET BLACK 5063 AAA \*18389838 [RDF]

**LAR MAN IN BLACK AAA \*19955191 [RDF]**  
 JMB MAXINE TG 2131 AAA #17262346

SYDGEN ENHANCE AAA 18170041 [RDF]

**OAKVIEW ENHANCE 2719 AAA 20321850**  
 OAKVIEW TOUR OF DUTY 2715 AAA 18523947

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	16	0.3	87	162	0.34	1.1	0.71	22	17.3	10	27	107	1.1
% Rank	1%	30%	4%	2%	3%	5%	65%	35%	10%	35%	45%	10%	4%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-39	0.43	0.48	73	1.04	0.74	0.27	74	78	111	76	184	313
% Rank	95%	25%	50%	10%	15%	35%	75%	25%	10%	10%	15%	10%	5%

**5 OAKVIEW QUANTUM 2422** ANGUS  
 Reg. No. 20702660 Tattoo 2422 DOB 10/19/2022 PB  
 Consignor OAKVIEW FARM

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	70	680	3.5	1188	53.5	1250	34	1	2.91	15.2	.21	
Ratio/FS	93	93	101	104	7.0				76	112	75	

G A R MOMENTUM AAA \*17354145 [RDF]

**G A R QUANTUM AAA \*18636059 [RDF]**  
 G A R IN SURE 1524 AAA \*17965254

CONNELLY IMPRESSION AAA #\*15543702

**OAKVIEW IMPRESSION 3816 AAA 19442756**  
 OAKVIEW NEW STANDARD 2211 AAA 17283547

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	+14	-0.6	61	106	0.24	1.0	0.66	16	8.8	12	48	37	0.8
% Rank	4%	15%	55%	60%	60%	10%	65%	65%	85%	15%	1%	85%	15%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-16	0.63	0.59	54	0.52	1.23	-0.26	60	79	95	57	153	258
% Rank	55%	95%	95%	40%	65%	2%	10%	60%	5%	30%	35%	35%	35%

**6 OAKVIEW MAN IN BLACK 522** ANGUS  
 Reg. No. 20702659 Tattoo 522 DOB 9/08/2022 PB  
 Consignor OAKVIEW FARM

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	67	685	4.1	1282	53.5	1438	37.5	1	2.5	13.9	.25	
Ratio/FS	91	93	117	113	6.5				65	102	89	

BAR R JET BLACK 5063 AAA \*18389838 [RDF]

**LAR MAN IN BLACK AAA \*19955191 [RDF]**  
 JMB MAXINE TG 2131 AAA #17262346

CONNELLY IMPRESSION AAA #\*15543702

**OAKVIEW IMPRESSION 3315 AAA 18523882**  
 MISS OAKVIEW 5207 AAA 18070027

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	12	1.2	75	134	0.28	1.1	1.12	18	15.5	15	36	78	0.6
% Rank	10%	50%	20%	20%	30%	5%	35%	55%	15%	2%	5%	35%	30%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-30	0.59	0.54	61	0.52	0.84	0.054	69	78	100	45	146	258
% Rank	85%	85%	80%	25%	65%	25%	95%	35%	10%	20%	60%	40%	35%

**7 OAKVIEW MAGNITUDE 322** ANGUS  
 Reg. No. 20702654 Tattoo 322 DOB 9/06/2022 PB  
 Consignor OAKVIEW FARM

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	72	912	3.6	1367	54.0	1463	35.5	1	4.06	14.7	0.23	
Ratio/FS	108	124	104	120	6.8				106	108	82	

K C F BENNETT SOUTHSIDE AAA #\*16430862

MEAD MAGNITUDE AAA \*18543414

MEAD PRIMROSE N198 AAA #\*17895117

MILL BAR HICKOK 7242 AAA #\*17351674

OAKVIEW HICKOK 220 AAA 20635054

OAKVIEW TOUR OF DUTY 3018 AAA 20045449

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	11	-0.4	82	144	0.28	1.0	0.51	32	15.9	14	42	73	0.4
% Rank	15%	20%	10%	10%	30%	10%	75%	3%	15%	5%	1%	40%	50%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-31	0.49	0.58	56	0.86	1.12	-0.16	85	92	86	72	159	291
% Rank	90%	50%	95%	35%	30%	4%	20%	10%	1%	50%	15%	25%	15%

**8 PCF 268 OF HIGH COTTON** ANGUS  
 Reg. No. 20689824 Tattoo 268 DOB 9/18/2022 PB  
 Consignor PANTHER CREEK FARMS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	73	678	3.2	1133	52.5	1250	34.5	1	2.11	14.1	0.16	
Ratio/FS	96	101	93	100	6.1				64	105	94	

YON FINAL ANSWER W494 AAA +\*16524794 [RDF]

YON HIGH COTTON D885 AAA +\*18486587 [RDF]

YON WITCH X360 AAA \*16685331

MEAD MAGNITUDE AAA \*18543414

PCF TRAVELER 812 MAGNITUDE AAA 19475894

PCF TRAVELER 209 R P AAA 17546556

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	13	0.2	73	120	0.24	0.8	.57	21	17.0	13	27	28	0.1
% Rank	10%	30%	25%	35%	60%	25%	70%	40%	10%	10%	45%	90%	75%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	1	0.54	0.56	49	0.18	0.72	-0.14	97	80	88	32	120	253
% Rank	15%	70%	90%	50%	95%	40%	20%	1%	5%	45%	85%	75%	40%

**9 PCF 251 OF MAGNITUDE** ANGUS  
 Reg. No. 20691128 Tattoo 251 DOB 9/01/2022 PB  
 Consignor PANTHER CREEK FARMS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	74	677	3.1	1130	52.5	1270	38	1	3.91	12.4	0.2	
Ratio/FS	99	99	90	99	6.0				100	100	100	

K C F BENNETT SOUTHSIDE AAA #\*16430862

MEAD MAGNITUDE AAA \*18543414

MEAD PRIMROSE N198 AAA #\*17895117

HART HERCULES 7017 AAA \*18942458

PCF LADY BLUE BELL 006 OF HE AAA 20074163

PCF LADY BLUE BELLE 220 AAA #17546587

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	12	1.8	94	157	0.24	1.3	1.45	23	12.6	12	40	93	1.1
% Rank	10%	65%	1%	3%	60%	2%	20%	30%	45%	15%	1%	20%	4%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-40	0.58	0.61	68	0.95	1.13	-0.14	70	97	91	77	168	288
% Rank	95%	85%	95%	15%	20%	3%	20%	35%	1%	35%	10%	20%	15%

**10 PCF 279 OF PCF ENHANCE 64** ANGUS  
 Reg. No. 20689828 Tattoo 279 DOB 9/29/2022 PB  
 Consignor PANTHER CREEK FARMS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	77	766	3.5	1213	53	1298	38	1	4.68	13.1	.023	
Ratio/FS	103	107	102	107	6.5				113	106	121	

SYDGEN ENHANCE AAA 18170041 [RDF]

PCF ENHANCE 954 AAA \*19742717

PCF MISS BOBBIE SOUTHS 701 AAA \*19156951

SPRINGFIELD PREDESTINED 8258 AAA +16371472

SPRINGFIELD RITA 0152 AAA 16952884

SPRINGFIELD RITA 8007 AAA +16316079

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	7	1.9	74	122	0.23	0.9	0.82	27	12.2	4	23	55	0.5
% Rank	45%	70%	20%	35%	70%	15%	55%	15%	50%	90%	75%	65%	40%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-11	0.48	0.47	35	1.16	0.67	-0.13	76	70	67	81	148	268
% Rank	40%	45%	45%	85%	10%	45%	20%	20%	20%	90%	10%	40%	30%

**11 PCF 270 OF ALPHA** ANGUS  
 Reg. No. 20689823 Tattoo 270 DOB 9/19/2022 PB  
 Consignor PANTHER CREEK FARMS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	71	739	4.2	1273	55.5	1408	32	1	4.46	12.6	0.18	
Ratio/FS	93	110	122	112	7.7				136	94	106	

BAR R JET BLACK 5063 AAA \*18389838 [RDF]

URF ALPHA G138 AAA \*19806618 [RDF]

URF SARAH 1514 AAA +\*18430243

MEAD MAGNITUDE AAA \*18543414

PCF BLACKCAP 811 MAGNITUDE AAA 19475892

PCF PENDELTON BLACKCAP 315 AAA #17728508

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	10	0.6	81	144	0.23	1.2	0.32	23	11.6	17	37	15	0.8
% Rank	20%	35%	10%	10%	30%	3%	85%	30%	60%	1%	4%	10%	15%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-49	0.55	0.57	63	0.81	0.90	-0.11	50	80	101	66	168	268
% Rank	95%	75%	90%	20%	35%	15%	20%	85%	5%	20%	25%	20%	30%

**12 PCF 263 OF ALPHA** ANGUS  
 Reg. No. 20689820 Tattoo 263 DOB 9/16/2022 PB  
 Consignor PANTHER CREEK FARMS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	73	735	3.9	1225	53.5	1373	38	1	3.6	11.7	0.14	
Ratio/FS	97	103	113	108	6.6				87	94	74	

BAR R JET BLACK 5063 AAA \*18389838 [RDF]

URF ALPHA G138 AAA \*19806618 [RDF]

URF SARAH 1514 AAA +\*18430243

R B TOUR OF DUTY 177 AAA #\*16984170 [RDF]

PCF ZARA BELLE 710 TOD AAA 19156931

PCF ZARA BELLE BIS 235 AAA 17546553

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	6	1.8	91	162	0.36	1.3	1.68	25	15.1	10	24	147	1.3
% Rank	55%	65%	2%	2%	2%	2%	10%	20%	20%	35%	70%	1%	2%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-58	0.46	0.44	85	1.05	1.08	-0.07	53	73	137	81	218	336
% Rank	95%	35%	30%	1%	15%	5%	25%	80%	15%	1%	10%	1%	2%

**14 OAF DUAL THREAT 0204** ANGUS  
 Reg. No. 20677064 Tattoo 0204 DOB 10/18/2022 PB  
 Consignor DENNIS F. OVERCASH

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	75	796	3.2	1159	53.0	1208	38	1	3.54	13	0.24
Ratio/FS	99	113	92	102	6.7				101	102	100

G A R SURE FIRE AAA #\*17328461 [RDF]

**G A R DUAL THREATAAA \*19123898 [RDF]**

G A R DAYBREAK A3010 AAA \*17584199

R B TOUR OF DUTY 177 AAA #\*16984170 [RDF]

**OAF TOUR OF DUTY 0503 AAA 18520830**

O A F IN FOCUS 0751 AAA 16113390

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	6	1.0	75	135	0.3	1.1	0.98	24	15.5	7	33	110	0.9
% Rank	55%	45%	20%	15%	20%	5%	45%	25%	15%	65%	15%	10%	10%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-44	0.52	0.51	63	1.21	0.69	.025	54	71	107	81	188	298
% Rank	95%	60%	65%	20%	10%	45%	70%	80%	20%	15%	10%	10%	10%

**15 OAF HOME TOWN 0212** ANGUS  
 Reg. No. 20677066 Tattoo 0212 DOB 9/21/2022 PB  
 Consignor DENNIS F. OVERCASH

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	74	720	3.3	1101	51.0	1208	37	2	3.5	12.5	0.24
Ratio/FS	97	102	95	97	5.4				99	98	100

G A R ASHLAND AAA \*18217198 [RDF]

**G A R HOME TOWN AAA \*19266718 [RDF]**

CHAIR ROCK SURE FIRE 6095 AAA \*18644754

SITZ UPWARD 307R AAA #\*14963730

**O A F SITZ UPWARD 0415 AAA 18161938**

OAF FINAL ANSWER 0103 AAA 17292351

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	11	0.3	67	116	0.23	0.2	1.08	24	12.0	10	23	54	0.1
% Rank	15%	30%	40%	45%	70%	85%	40%	25%	55%	35%	75%	65%	75%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-10	0.58	0.49	53	1.16	0.85	.021	69	66	97	81	178	300
% Rank	40%	85%	55%	40%	10%	20%	65%	35%	30%	25%	10%	15%	10%

**17 H&D 422 HOMETOWN** ANGUS  
 Reg. No. 20667792 Tattoo 422 DOB 11/13/2022 PB  
 Consignor H & D ANGUS

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	65	651	3.3	1160	50.5	1150	36	1	3.55	14.1	.29
Ratio/FS	88	92	95	102	5.8				81	106	107

G A R ASHLAND AAA \*18217198 [RDF]

**G A R HOME TOWN AAA \*19266718 [RDF]**

CHAIR ROCK SURE FIRE 6095 AAA \*18644754

BOYD NEW DAY 8005 AAA #\*13050780

**H&D 9014 AAA #18132818**

H&D 5806 BARBARANELL AAA 15652679

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	13	0.2	50	85	0.17	0.4	1.36	7	10.5	6	33	25	0
% Rank	10%	30%	85%	90%	95%	65%	20%	95%	70%	75%	15%	90%	85%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-1	0.41	0.56	28	0.72	0.76	-.01	60	61	61	60	120	216
% Rank	20%	20%	90%	95%	45%	35%	25%	60%	45%	95%	30%	75%	80%

**18 H&D1022 HOMETOWN** ANGUS  
 Reg. No. 20667795 Tattoo 1022 DOB 11/15/2022 PB  
 Consignor H & D ANGUS

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	80	712	3.2	1127	49.5	1105	34.5	1	4.49	13.4	0.14
Ratio/FS	108	100	93	99	5.4				103	101	52

G A R ASHLAND AAA \*18217198 [RDF]

**G A R HOME TOWN AAA \*19266718 [RDF]**

CHAIR ROCK SURE FIRE 6095 AAA \*18644754

H&D 3908 AAA 16546169

**H&D 7213 AAA #17750818**

STUART WITCH 509 AAA 15309702

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	9	-.3	57	98	0.21	0	0.72	21	13.4	6	30	43	-0.1
% Rank	30%	20%	70%	75%	85%	95%	60%	40%	35%	75%	25%	80%	90%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-9	0.71	0.53	36	1.21	0.82	-.027	61	64	76	87	164	274
% Rank	35%	95%	75%	80%	10%	25%	10%	60%	35%	70%	5%	20%	25%

**19 H&D 1122 HOMETOWN** ANGUS  
 Reg. No. 20667770 Tattoo 1122 DOB 11/08/2022 PB  
 Consignor H & D ANGUS

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	80	729	3.1	1251	50	1238	37	1	3.65	14.3	0.28
Ratio/FS	109	103	91	110	5.5				84	108	104

G A R ASHLAND AAA \*18217198 [RDF]

**G A R HOME TOWN AAA \*19266718 [RDF]**

CHAIR ROCK SURE FIRE 6095 AAA \*18644754

SYDGEN BLACK PEARL 2006 AAA #\*17236055

**H&D 2218 AAA 19439470**

H&D 9514 AAA #18132881

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	11	0.1	68	123	0.32	0.5	0.61	17	15.9	12	26	83	0.6
% Rank	15%	25%	35%	30%	10%	55%	70%	35%	15%	15%	55%	30%	30%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-27	0.55	0.45	55	0.81	0.95	-.034	63	64	105	69	174	289
% Rank	80%	75%	35%	35%	35%	15%	5%	55%	35%	15%	20%	15%	15%

**20 H&D 2022 HOMETOWN** ANGUS  
 Reg. No. 20667791 Tattoo 2022 DOB 11/10/2022 PB  
 Consignor H & D ANGUS

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	75	673	3.7	1185	51	1183	38	1.5	5.9	13.3	0.26
Ratio/FS	99	99	107	104	6				145	95	113

G A R ASHLAND AAA \*18217198 [RDF]

**G A R HOME TOWN AAA \*19266718 [RDF]**

CHAIR ROCK SURE FIRE 6095 AAA \*18644754

BOYD NEW DAY 8005 AAA #\*13050780

**H&D 6114 AAA 18132819**

BACK CREEK NELL M16 AAA 14119182

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	7	2.4	66	126	0.27	0.8	1.13	17	11.7	14	22	90	0.6
% Rank	45%	80%	40%	25%	35%	25%	35%	60%	55%	5%	80%	25%	30%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-28	0.52	0.48	55	1.25	0.83	-.013	49	51	98	88	186	290
% Rank	85%	60%	50%	35%	10%	25%	20%	85%	75%	25%	5%	10%	15%



**21 H&D2122 GROWTHFUND** ANGUS  
 Reg. No. 20667775 Tattoo 2122 DOB 9/29/2022 PB  
 Consignor H & D ANGUS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	70	736	3.3	1232	53.0	1253	35	1	3.62	11.6	0.33	
Ratio/FS	105	104	95	108	6.5				83	87	122	

BASIN PAYWEIGHT 1682 AAA #+\*17038724

**DEER VALLEY GROWTH FUNDAAA +\*18827828 [RDF]**

DEER VALLEY RITA 36113 AAA +\*17785214

CRAVENS IMPRESSION 1625 AAA 18785882

**H&D1620 AAA 20058400**

H&D 3917 ANGUS VALLEY AAA 19147984

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	2	3.2	93	164	0.31	1.5	1.82	28	11.7	11	27	101	1.3
% Rank	85%	90%	2%	2%	15%	1%	10%	10%	55%	25%	45%	15%	2%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-36	0.52	0.54	70	0.40	0.40	.058	67	79	112	33	145	255
% Rank	95%	60%	80%	10%	80%	85%	95%	40%	5%	10%	85%	45%	40%

**22 H&D 3222 GROWTHFUND** ANGUS  
 Reg. No. 20667798 Tattoo 3222 DOB 11/03/2022 PB  
 Consignor H & D ANGUS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	80	685	3.3	1191	50.5	1205	40.5	1	2.26	14.7	0.2	
Ratio/FS	105	101	94	105	5.7				55	105	87	

BASIN PAYWEIGHT 1682 AAA #+\*17038724

**DEER VALLEY GROWTH FUNDAAA +\*18827828 [RDF]**

DEER VALLEY RITA 36113 AAA +\*17785214

SITZ UPWARD 307R AAA #+\*14963730

**H&D 4917 UPWARD AAA 19147867**

H&D 313 AAA 17762687

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	6	2.5	84	141	0.30	0.5	2.08	11	11.4	9	24	90	0.4
% Rank	55%	80%	10%	10%	20%	55%	2%	85%	60%	45%	70%	25%	50%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-29	0.66	0.61	73	0.17	0.79	.043	52	75	122	28	149	245
% Rank	85%	95%	95%	10%	95%	30%	90%	80%	10%	3%	95%	40%	50%

**23 H&D 3322 HOMETOWN** ANGUS  
 Reg. No. 20672112 Tattoo 3322 DOB 11/10/2022 PB  
 Consignor H & D ANGUS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	65	734	3.0	1169	50	1160	38.5	1	4.17	14.1	0.33	
Ratio/FS	88	104	87	103	5.5				95	106	122	

G A R ASHLAND AAA +\*18217198 [RDF]

**G A R HOME TOWN AAA +\*19266718 [RDF]**

CHAIR ROCK SURE FIRE 6095 AAA +\*18644754

S A V FINAL ANSWER 0035 AAA #+\*13592905 [RDF]

**H&D 313 AAA 17762687**

H&D 707 OF 878 BARBARAMERE AAA 15652661

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	10	0.6	56	101	0.25	0.2	1.38	29	10.8	9	26	73	0.1
% Rank	20%	35%	70%	70%	55%	85%	20%	10%	65%	45%	55%	40%	75%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-22	0.61	0.59	38	0.97	0.86	.001	46	53	84	73	157	250
% Rank	70%	90%	95%	75%	20%	20%	35%	90%	70%	50%	15%	30%	45%

**24 H&D 3622 GROWTHFUND** ANGUS  
 Reg. No. 20667776 Tattoo 3622 DOB 10/03/2022 PB  
 Consignor H & D ANGUS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	70	727	3.8	1271	50.5	1285	33.5	1	4.84	12.9	0.27	
Ratio/FS	105	103	109	112	5.3				111	97	100	

BASIN PAYWEIGHT 1682 AAA #+\*17038724

**DEER VALLEY GROWTH FUNDAAA +\*18827828 [RDF]**

DEER VALLEY RITA 36113 AAA +\*17785214

DEER VALLEY RITA 36113 AAA +\*17785214

**H&D 5320 AAA 20058396**

H&D 1417 BLACK PEARL AAA 19158433

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	6	1.2	77	133	0.29	0.6	0.33	18	12.4	9	36	87	0.7
% Rank	55%	50%	15%	20%	25%	45%	85%	55%	50%	45%	5%	25%	25%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-34	0.50	0.45	69	0.86	0.63	.051	62	80	118	60	178	293
% Rank	90%	55%	35%	10%	30%	55%	95%	55%	5%	4%	30%	15%	15%

**25 H&D 5022 HOMETOWN** ANGUS  
 Reg. No. 20667793 Tattoo 5022 DOB 11/15/2022 PB  
 Consignor H & D ANGUS

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	70	676	3.6	1176	51.5	1160	37.5	1	6.25	12.9	0.28	
Ratio/FS	95	95	103	103	6.4				143	97	104	

G A R ASHLAND AAA +\*18217198 [RDF]

**G A R HOME TOWN AAA +\*19266718 [RDF]**

CHAIR ROCK SURE FIRE 6095 AAA +\*18644754

H&D 8509 AAA 16544945

**H&D 9814 AAA 18132373**

H&D 4306 WITCH GRID MAKER AAA 15652712

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	10	-0.1	64	125	0.32	0.7	0.93	34	10.3	15	26	99	0.9
% Rank	20%	25%	45%	30%	10%	30%	50%	1%	70%	2%	55%	15%	10%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-35	0.66	0.59	59	1.30	0.58	-.016	41	56	114	88	201	302
% Rank	95%	95%	95%	25%	5%	60%	20%	95%	60%	10%	5%	3%	10%

**27 ROCKY SIERRA 2226** ANGUS  
 Reg. No. 20669069 Tattoo 2226 DOB 9/24/2022 PB  
 Consignor ROCK HILL CATTLE COMPANY

INDIVIDUAL PERFORMANCE												
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT	
Perf	65	578	3.4	1063	51	1173	33.5	1	2.73	12.5	.11	
Ratio/FS	97	99	99	93	5.5				92	107	69	

ROCKY SUMMIT 1456 AAA 18131093

**ROCKY SUMMIT 1758AAA +\*19142914 [RDF]**

BLUQ ERICA DIANNA 9178 AAA 16481897

WR JOURNEY-1X74 AAA #+\*16924332

**MS ROCKY RIVER 1675 AAA 18838847**

MS ROCKY PINNACLE 1050 AAA #16935255

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	7	0	69	116	0.28	0.5	-0.54	14	10	7	25	73	0.5
% Rank	45%	25%	35%	45%	30%	55%	95%	75%	75%	65%	60%	40%	40%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-21	0.54	0.39	50	0.37	0.91	-.014	55	68	102	44	146	244
% Rank	70%	70%	15%	50%	80%	15%	20%	75%	25%	20%	65%	40%	50%

**28** **ROCKY SUMMIT 2221** ANGUS  
 Reg. No. 20669710 Tattoo 2221 DOB 9/24/2022 PB  
 Consignor ROCK HILL CATTLE COMPANY

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	69	597	3.3	1106	52.5	1220	35	1	3.61	10.9	0.15
Ratio/FS	103	103	96	97	6.2				122	933	94

K C F BENNETT SOUTHSIDE AAA #\*16430862

**MEAD MAGNITUDE AAA \*18543414**

MEAD PRIMROSE N198 AAA #\*17895117

PA SAFEGUARD 021 AAA #\*16772185

**MS ROCKY HILL 1579 AAA 18496775**

MS ROCKY TOP 1052 AAA #16950734

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	11	0.3	83	147	0.27	1.2	0.76	30	10.7	10	47	112	1.1
% Rank	15%	30%	10%	10%	35%	3%	60%	5%	70%	35%	1%	10%	4%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-53	0.42	0.47	65	0.84	0.39	.009	58	89	90	59	150	253
% Rank	95%	20%	45%	15%	30%	85%	45%	70%	1%	40%	35%	35%	40%

**29** **ROCKY APEX 2211** ANGUS  
 Reg. No. 20669067 Tattoo 2211 DOB 9/20/2022 PB  
 Consignor ROCK HILL CATTLE COMPANY

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	70	563	3.5	1065	50.5	1183	36	1	2.23	12	0.15
Ratio/FS	104	97	102	94	5.2				75	103	94

DL SONIC 444 AAA #17918412

**DL DUALLYAAA \*18608253**

DL INCENTIVE 2103 AAA #17866026

SFA IY50 IMAGE MAKER OF AW40 AAA 17234288

**MS ROCKY PINNACLE 1467 AAA 18129301**

MS ROCKY PEAK 0937 AAA #16628643

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	9	0.5	75	125	0.20	0.5	1.11	23	15.2	10	27	51	0.3
% Rank	30%	35%	20%	30%	90%	55%	35%	30%	20%	35%	45%	70%	60%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-11	0.60	0.49	41	0.62	0.34	.022	83	78	66	46	113	230
% Rank	40%	90%	55%	70%	55%	90%	65%	10%	10%	90%	60%	85%	65%

**31** **ROCKY PEAK 2240** ANGUS  
 Reg. No. 20669722 Tattoo 2240 DOB 9/17/2022 PB  
 Consignor ROCK HILL CATTLE COMPANY

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	64	562	3.8	1195	52	1338	37	1	4.43	12	0.27
Ratio/FS	96	97	108	105	5.9				149	103	169

V A R DISCOVERY 2240 AAA #\*17262835 [RDF]

**FERGUSON TRAILBLAZER 239EAAA \*18996007 [RDF]**

MOLITOR999 BARBELLA 940-3012 AAA #17717153

K C F BENNETT SOUTHSIDE AAA #\*16430862

**MS ROCKY TOP 1764 AAA 19129808**

MS ROCKY DAYBREAK 0924 AAA 16628547

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	8	2	94	166	0.33	1	1.41	27	19.7	10	27	127	1.1
% Rank	35%	70%	1%	1%	5%	10%	15%	1%	35%	45%	3%	4%	
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-50	0.69	0.63	70	1.15	0.53	.025	65	81	103	76	179	297
% Rank	95%	95%	95%	10%	10%	70%	70%	50%	4%	15%	15%	10%	10%

**33** **ROCKY HILL 2212** ANGUS  
 Reg. No. 20669070 Tattoo 2212 DOB 11/02/2022 PB  
 Consignor ROCK HILL CATTLE COMPANY

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	62	620	3.1	1061	50	1083	35.5	1	2.72	11.6	0.16
Ratio/FS	93	107	88	93	5.4				92	99	100

ROCKY SUMMIT 1456 AAA 18131093

**ROCKY SUMMIT 1758AAA \*19142914 [RDF]**

BLUQ ERICA DIANNA 9178 AAA 16481897

R5 MONUMENT 087 AAA \*16765282

**MS ROCKY SUMMIT 1490 AAA 18131098**

MS ROCKY TOP 1256 AAA #17408791

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	11	-0.3	65	104	0.24	0.6	0.68	21	3.1	4	21	79	0.6
% Rank	15%	20%	45%	65%	60%	45%	65%	40%	95%	90%	85%	35%	30%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-22	0.59	0.57	32	0.13	0.38	.012	28	61	73	23	96	153
% Rank	70%	85%	90%	90%	95%	85%	50%	95%	45%	80%	95%	95%	95%

**35** **SCAF SURE FIRE 207** ANGUS  
 Reg. No. 20668049 Tattoo 207 DOB 9/18/2022 PB  
 Consignor SMITH CREEK ANGUS

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	70	687	3.9	1164	54	1255	40	1	3.39	12	0.19
Ratio/FS	111	115	113	102	6.9				106	101	127

G A R SURE FIRE AAA #\*17328461 [RDF]

**SPRINGFIELD SURE FIRE 8033AAA \*19252303**

2 BAR DAYBREAK 2056 AAA +17389935

NICHOLS EXTRA K205 AAA #13752642

**SCAF SHORITA 155 AAA 17119159**

SCAF RITA 679 AAA #15712164

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	3	1.7	71	125	0.26	1.1	1.46	25	12.4	5	25	57	0.5
% Rank	80%	65%	30%	30%	45%	5%	20%	20%	50%	80%	60%	60%	40%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-13	0.70	0.66	64	0.48	0.86	.020	61	67	106	46	153	259
% Rank	50%	95%	95%	20%	70%	20%	65%	60%	30%	15%	60%	35%	35%

**36** **SCAF PROPHET 225** ANGUS  
 Reg. No. 20668075 Tattoo 225 DOB 10/24/2022 PB  
 Consignor SMITH CREEK ANGUS

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	60	629	3.4	1080	51.0	1118	33.5	1	3.38	12.1	0.23
Ratio/FS	94	106	99	95	5.8				105	102	153

G A R PROPHET K263 AAA #\*17799492

**SPRINGFIELD PROPHET 8127 AAA \*19386625**

SPRINGFIELD BONNIE 6127 AAA #\*18780685

K C F BENNETT FORTRESS AAA #\*17259012 [RDF]

**SCAF BARBARAMERE 714 AAA 19035478**

SCAF BARBARAMERE 542 AAA 18360101

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	5	2.7	80	139	0.31	1.1	0.56	7	6.7	6	28	109	1.1
% Rank	65%	85%	10%	15%	15%	5%	75%	95%	95%	75%	40%	10%	4%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-41	0.48	0.61	63	0.79	1.02	-0.019	31	69	103	68	171	253
% Rank	95%	45%	95%	20%	35%	10%	15%	95%	25%	15%	20%	15%	40%



**38 SCAF PROPHET 228** ANGUS  
 Reg. No. 20668062 Tattoo 228 DOB 10/14/2022 PB  
 Consignor SMITH CREEK ANGUS

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	65	623	3.6	1102	53.0	1163	32	1	4.35	12.3	0.16
Ratio/FS	102	105	104	97	6.7				136	103	107

G A R PROPHET K263 AAA +\*17799492

**SPRINGFIELD PROPHET 8127 AAA +\*19386625**  
 SPRINGFIELD BONNIE 6127 AAA +\*18780685

CONNELLY CONSENSUS 7229 AAA #\*16447771

**SCAF SHORITA 727 AAA 19034522**  
 SCAF SHORITA 652 AAA 15711019

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	9	2.4	83	155	0.38	0.8	0.14	21	7.8	10	19	134	1.3
% Rank	30%	80%	10%	3%	1%	25%	90%	40%	90%	35%	95%	2%	2%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-49	0.50	0.45	60	0.74	1.09	-0.29	33	59	107	67	174	259
% Rank	95%	55%	35%	25%	40%	4%	10%	95%	50%	15%	20%	15%	35%

**41 SCAF PROPHET 241** ANGUS  
 Reg. No. 20668055 Tattoo 241 DOB 9/19/2022 PB  
 Consignor SMITH CREEK ANGUS

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	70	594	3.2	1066	52.0	1118	38	1	3.71	11.7	0.07
Ratio/FS	111	95	91	94	5.9				116	98	47

G A R PROPHET K263 AAA +\*17799492

**SPRINGFIELD PROPHET 8127 AAA +\*19386625**  
 SPRINGFIELD BONNIE 6127 AAA +\*18780685

SPRINGFIELD RAMESSES 6124 AAA +\*18746724 [RDF]

**SPRINGFIELD EVERGREEN 8086 AAA +\*19385203**  
 SPRINGFIELD EVERGREEN 6115 AAA +\*18746817

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	6	1.7	70	125	0.30	1.3	0.51	13	5.4	11	26	97	0.9
% Rank	55%	65%	30%	30%	20%	65%	75%	75%	95%	25%	55%	15%	10%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-34	0.38	0.31	56	0.96	1.06	-0.49	42	62	103	79	182	278
% Rank	90%	10%	2%	35%	20%	5%	2%	95%	40%	15%	10%	10%	20%

**44 HAF TORQUE 102** ANGUS  
 Reg. No. 20684043 Tattoo 102 DOB 10/21/2022 PB  
 Consignor HIGHLANDS FARM

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	74	666	3.1	1149	52.5	1130	33	1	1.8	12	0.13
Ratio/FS	101	104	89	101	6.5				78	88	93

S A V 004 DENSITY 4336 AAA #+14725035

**BRUIN TORQUE 5261AAA +\*18248293**  
 FALCON BLACKBIRD 6071 AAA +14068805

R/M IRONSTONE 4047 AAA #+14954578

**GAFFNEY PRIMROSE LADY 189 AAA 17052036**  
 GAFFNEY PRIMROSE LADY 855 AAA +16069744

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	3	2.9	55	100	0.29	1.0	0.27	17	9.7	6	26	85	0.9
% Rank	80%	85%	75%	70%	25%	10%	85%	60%	80%	75%	55%	30%	10%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-28	0.42	0.41	45	0.20	0.65	.009	40	44	95	30	125	202
% Rank	85%	20%	20%	60%	95%	50%	45%	95%	90%	30%	90%	70%	90%

**45 HAF EXCLUSIVE 152** ANGUS  
 Reg. No. 20684097 Tattoo 152 DOB 10/21/2022 PB  
 Consignor HIGHLANDS FARM

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	71	690	4.3	1287	50.5	1275	38	1	2.8	15.4	0.15
Ratio/FS	99	108	123	113	5.5				122	112	107

LD CAPITALIST 316 AAA #+\*17666102 [RDF]

**MUSGRAVE 316 EXCLUSIVEAAA +\*18130471 [RDF]**  
 MUSGRAVE PRIM LASSIE 163-386 AAA \*17511838

S A V RAINDANCE 6848 AAA #+\*18578965 [RDF]

**INGRAM GEORGINA 9255 AAA +\*19589659**  
 ZWT GEORGINA 2718 AAA +\*17558066

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	11	-0.3	64	125	0.3	0.4	0.35	22	7.6	14	29	79	0.5
% Rank	15%	20%	45%	30%	20%	65%	85%	35%	95%	5%	35%	35%	40%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-26	0.46	0.51	56	0.56	0.65	.043	49	62	106	46	151	245
% Rank	80%	35%	65%	35%	60%	50%	90%	85%	40%	15%	60%	35%	50%

**47 PHX2 LULI 02K** RED ANGUS  
 Reg. No. 4723501 Tattoo 02K DOB 9/23/2022 PB  
 Consignor PHOENIX RED ANGUS

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	75	590	3.7	1083	50	1208	34.5	1	3.05	12.23	0.25
Ratio/FS		101	106	95	5				80	93	97

FEDDES SILVER BOW B226 1687147 1 P

**FEDDES BRUNSWICK D202 3539689 1 P**  
 FEDDES LARKABU X21 1368609 1 P

PHX12 SOUTHERN COMFORT 06Z 1603876 1 P

**PHX18 FELICITY 09F SCFT-PCC 4094188 1 P**  
 PHX10 FELICITY 27X PCC-0202 1430175 1 P

	CED	BW	WW	YW	ADG	DMI	MILK	ME	HPG	CEM
EPD	12	-0.2	74	122	0.30	1.88	26	6	11	7
% Rank	62%	80%	8%	8%	9%	86%	42%	66%	48%	59%
	STAY	MARB	YG	CW	REA	FAT	ProS	HB	GM	
EPD	16	.43	0.05	36	0.43	.03	108	60	47	
% Rank	40%	45%	11%	10%	6%	74%	26%	39%	29%	

**54 KEZIAH H MAGIC DK12** SIMANGUS  
 Reg. No. 4204848 Tattoo DK12 DOB 9/23/2022 25%  
 Consignor KEZIAH FARMS Black/Polled

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	82	531	4.1	1129	50.5	1253	36	1	3.99	12.43	0.21
Ratio/FS	102	96	120	99	5.2				100	100	100

BYERGO BLACK MAGIC 3348 USAAN - 17803074 3416855 BB PP

**BCIV BLACK MAGIC 9049 USAAN - 19546597 3955974 B PP**  
 BCIV BLACKCAP OF 771 USAAN - 18836276 (3955972) B PP

PA POWER TOOL 9108 USAAN - 16381311 2836218 BB PP

**BCIV VADEN'S FAIR QUEEN 3321906 B P**  
 BCIV FAIR DESTINY 3316191 B P

	CE	BW	WW	YW	ADG	MCE	MILK	MWW	STAY	DOC
EPD	9.0	1.7	81.2	131.4	0.31	0.7	21.5	62	13.2	11.4
% Rank	90%	80%	35%	25%	25%	99%	65%	50%	70%	65%
	CWT	YG	MARB	B FAT	REA	SHR	API	TI		
EPD	53.0	0.01	0.51	-0.007	0.47		127.9	80.7		
% Rank	5%	99%	25%	95%	85%		60%	45%		

48

WILL-VIA MR DESTINATION T338 HEREFORD

Reg. No. 44432155 Tattoo T338 DOB 9/21/2021 PB

Consignor WILL-VIA POLLED HEREFORDS

INDIVIDUAL PERFORMANCE

Table with columns: BW, WW, ADG, YW, YH, END WT, SC, T. DOC, U%IMF, URE, UFAT. Rows for Perf and Ratio/FS.

TH 122 711 VICTOR 719T (719) P42800895

5STAR 719T DESTINATION 601ET (5601) P43676817

RVP STAR 100W YOUR WAY ET 122Y (RVP122Y) P43451886

DR MR CONSERVATIVE 9050 Z05 (Z05) P43286378

WILL-VIA MS LADY Z T-199 (T-199) P43645191

BCF LADY MAX 46B 601 (BCF601) P42735027

Summary table with columns: CED, BW, WW, YW, MM, MG, MCE, MCW, UDDR, TEAT, SC. Rows for EPD and % Rank.

49

TF TOP CAT 911G 73E K004 HEREFORD

Reg. No. 44404153 Tattoo K004 DOB 10/04/2022 PB

Consignor TERRACE FARMS

INDIVIDUAL PERFORMANCE

Table with columns: BW, WW, ADG, YW, YH, END WT, SC, T. DOC, U%IMF, URE, UFAT. Rows for Perf and Ratio/FS.

TH 403A 475Z PIONEER 358C ET (358C) P43596960

TH 22A 358C PIONEER 73E (73E) P43818546

TH 432Y 9050 LORETTA 22A (22A) P43368840

CHURCHILL WILDCAT 7212E (7212) P43802266

TF LADY 6223 7212E 911G (911G) P44066035

JH Z8 LADY 10Y 6223 (6223) P43804014

Summary table with columns: CED, BW, WW, YW, MM, MG, MCE, MCW, UDDR, TEAT, SC. Rows for EPD and % Rank.

50

TF RIBEYE PRIME 1241 R117 K014 HEREFORD

Reg. No. 44404165 Tattoo K014 DOB 10/14/2022 PB

Consignor TERRACE FARMS

INDIVIDUAL PERFORMANCE

Table with columns: BW, WW, ADG, YW, YH, END WT, SC, T. DOC, U%IMF, URE, UFAT. Rows for Perf and Ratio/FS.

KCF BENNETT 3008 M326 (M326) P42361822

SHF RIB EYE M326 R117 (R117) P42584003

HVH MISS HUDSON 83K 8M (8M) P42247970

HARVIE DAN T-BONE 196T (CVIH196T) P42843277

DELHAWK KAROLINE 1241 ET (1241) P43286795

UPS MISS KOOTENAY 3915 1ET (3915) P42472290

Summary table with columns: CED, BW, WW, YW, MM, MG, MCE, MCW, UDDR, TEAT, SC. Rows for EPD and % Rank.

51

TF LINCOLN 4103 73E K106 HEREFORD

Reg. No. 44404142 Tattoo K106 DOB 11/06/2022 PB

Consignor TERRACE FARMS

INDIVIDUAL PERFORMANCE

Table with columns: BW, WW, ADG, YW, YH, END WT, SC, T. DOC, U%IMF, URE, UFAT. Rows for Perf and Ratio/FS.

TH 403A 475Z PIONEER 358C ET (358C) P43596960

TH 22A 358C PIONEER 73E (73E) P43818546

TH 432Y 9050 LORETTA 22A (22A) P43368840

SHF VISION R117 U38 (U38) P42894861

THM U38 VISIONARY 4103 ET (THM4103) P43458836

THM EASY MAY 7532 (THM7532) P42819967

Summary table with columns: CED, BW, WW, YW, MM, MG, MCE, MCW, UDDR, TEAT, SC. Rows for EPD and % Rank.

NOTES

# American Angus Association Selection Tools

**Expected Progeny Difference (EPD)**, is the prediction of how future progeny of each animal are expected to perform relative to the progeny of other animals listed in the database. EPDs are expressed in units of measure for the trait, plus or minus. Interim EPDs may appear on young animals when their performance has yet to be incorporated into the American Angus Association National Cattle Evaluation (NCE) procedures. This EPD will be preceded by an "I", and may or may not include the animal's own performance record for a particular trait, depending on its availability, appropriate contemporary grouping, or data edits needed for NCE.

**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.

**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.

**Birth Weight (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 (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.

**Residual Average Daily Gain (RADG)**, feed efficiency expressed in pounds per day, is a predictor of a sire's genetic ability for postweaning gain in future progeny compared to that of other sires, given a constant amount of feed consumed.

**Yearling Weight (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.

**Yearling Height (YH)**, is a predictor of a sire's ability to transmit yearling height, expressed in inches, compared to the that of other sires.

**Scrotal Circumference (SC)**, expressed in centimeters, is a predictor of the difference in transmitting ability for scrotal size compared to that of other sires.

**Docility (DOC)**, is expressed as a difference in yearling cattle temperament, with a higher value indicating more favorable docility in a sire's offspring compared to another sire.

## MATERNAL

**Heifer Pregnancy (HP)**, is a selection tool to increase the probability or chance of a sire's daughters becoming pregnant as first-calf heifers during a normal breeding season. A higher EPD is the more favorable direction, and the EPD is reported in percentage units.

**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 (Milk)**, is a predictor of a sire's genetic merit for milk and mothering ability 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.

**Mature Weight (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.

**Mature Height (MH)**, expressed in inches, is a predictor of the difference in mature height of a sire's daughters compared to daughters of other sires.

## FOOT SCORE

**Claw Set (Claw)**, is expressed in units of claw-set score. A lower EPD is more favorable, indicating a sire will produce progeny with more ideal claw set, which is toes that are symmetrical, even and appropriately spaced.

**Foot Angle (Angle)**, is expressed in units of foot-angle score. A lower EPD is more favorable, indicating a sire will produce progeny with more ideal foot angle, which is a 45-degree angle at the pastern joint with appropriate toe length and heel depth.

## CARCASS

The genetic evaluation produces a single set of EPDs for carcass traits where the units of measure are in trait format and analyzed on an age-constant basis.

**Carcass Weight (CW)**, expressed in pounds, is a predictor of the differences in hot carcass weight of a sire's progeny compared to progeny of other sires.

**Marbling (Marb)**, is expressed as a fraction of the difference in USDA marbling score of a sire's progeny compared to progeny of other sires.

**Ribeye Area (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.

**Fat Thickness (Fat)**, expressed in inches, is a predictor of the differences in external fat thickness at the 12th rib (as measured between the 12th and 13th ribs) of a sire's progeny compared to progeny of other sires.

## \$VALUE INDEXES

**\$Value Indexes**, reported in dollars per head, are multi-trait selection indexes where a higher value suggests more profit. The \$Value is an estimate of how future progeny of each sire are expected to perform, on average, compared to progeny of other sires if sires were randomly mated to cows and if calves were exposed to the same environment.

**Maternal Weaned Calf Value (\$M)**, expressed in dollars per head, predicts profitability differences in progeny due to genetics from conception to weaning. Increased selection pressure on \$M aims to decrease overall mature cow size and improve foot structure and fertility while maintaining weaning weights consistent with today's production.

**Weaned Calf Value (\$W)**, expressed in dollars per head, provides the expected difference in future progeny preweaning performance from birth to weaning. Increased selection pressure on \$W increases weaning and maternal milk traits while increasing mature cow size.

**Cow Energy Value (\$EN)**, expressed in dollars savings per cow per year, assesses differences in cow energy requirements as an expected dollar savings difference in daughters of sires. A larger value is more favorable when comparing two animals. Components for computing \$EN savings difference include lactation energy requirements and energy costs associated with differences in mature cow size.

**Feedlot Value (\$F)**, expressed in dollars per head, is the expected average difference in future progeny performance for postweaning merit compared to progeny of other sires. The underlying objective assumes commercial producers will retain ownership of cattle through the feedlot phase and sell fed cattle on a carcass weight basis with no considerations of premiums or discounts for quality and yield grade.

**Grid Value (\$G)**, expressed in dollars per carcass, is the expected average difference in future progeny performance for carcass grid merit, including quality and yield grade attributes, compared to progeny of other sires.

**Beef Value (\$B)**, expressed in dollars per carcass, represents the expected average differences in the progeny postweaning performance and carcass value compared to progeny of other sires. This index assumes commercial producers wean all male and female progeny, retain ownership of these animals through the feedlot phase, and market these animals on a quality-based carcass grid.



# Understanding Hereford EPDs

The American Hereford Association (AHA) currently produces expected progeny differences (EPDs) for 17 traits and calculates three profit indexes. AHA's genetic evaluation makes use of a Marker Effects Model that allows the calculation of EPDs by incorporating the pedigree, phenotypic and genomic profile of an animal. Animals that have a genomic profile will be denoted with a GE-EPD logo.

The current suite of Hereford EPDs and profit indexes includes:

## Calving Ease — Direct (CE)

CE EPD 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. For example, if sire A has a CE EPD of 6 and sire B has a CE EPD of -2, then you would expect on average, if comparably mated, sire A's calves would have an 8 percent more likely chance of unassisted calving when compared to sire B's calves.

## Birth Weight (BW)

BW EPD is an indicator trait for calving ease and is measured in pounds. For example, if sire A has a BW EPD of 3.6 and sire B has a BW EPD of 0.6, then you would expect on average, if comparably mated, sire A's calves would come 3 lb. heavier at birth when compared to sire B's calves. Larger BW EPDs usually, but not always, indicate more calving difficulty. The figure in parentheses found after each EPD is an accuracy value or reliability of the EPD.

## Weaning Weight (WW)

WW EPD is an estimate of pre-weaning growth that is measured in pounds. For example, if sire A has a WW EPD of 60 and sire B has a WW EPD of 40, then you would expect on average if comparably mated, sire A's calves would weigh 20 lb. heavier at weaning when compared to sire B's calves.

## Yearling Weight (YW)

YW EPD is an estimate of post-weaning growth that is measured in pounds. For example, if sire A has a YW EPD of 100 and sire B has a YW EPD of 70, then you would expect on average if comparably mated, sire A's calves would weigh 30 lb. heavier at a year of age when compared to sire B's calves.

## Dry Matter Intake (DMI)

The DMI EPD predicts the daily consumption of pounds of feed. For example, if sire A has a DMI EPD of 1.1 and sire B has a DMI EPD of 0.1, you would expect sire B's progeny, if comparably mated, to consume on average 1 pound of feed less per day.

## Scrotal Circumference (SC)

Measured in centimeters and adjusted to 365 days of age, SC EPD is the best estimate of fertility. It is related to the bull's own semen quantity and quality, and is also associated with age at puberty of sons and daughters. Larger SC EPDs suggest younger age at puberty. Yearling sons of a sire with a 0.7 SC EPD should have yearling scrotal circumference measurements that average 0.7 centimeters (cm) larger than progeny by a bull with an EPD of 0.0 cm.

## Sustained Cow Fertility

The AHA's new SCF EPD is a prediction of a cow's ability to continue to calve from three years of age through 12 years of age, given she calved as a two-year-old. The EPD is expressed as a deviation in the proportion of the 10 possible calvings to 12 years old expressed as a probability. For example, the daughters of a bull with a 30 EPD would have the genetic potential to have one more calf by age 12 than the daughters from a bull with a 20 EPD. In other words, the daughters from the 30 EPD bull would have a 10% greater probability of having one more calf than the bull with a 20 EPD. This is equivalent to saying that the daughters are 10% more likely to remain in the herd to age 12.

## Maternal Milk (MM)

The MM EPD 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. Daughters of the sire with a +14 MM EPD should produce progeny with 205-day weights averaging 24 lb. more (as a result of greater milk production) than daughters of a bull with a MM EPD of -10 lb. (14 minus -10.0 = 24 lb.). This difference in weaning weight is due to total milk production during the entire lactation.

## Maternal Milk & Growth (M&G)

The M&G EPD reflects what the sire is expected to transmit to his daughters for a combination of growth genetics through weaning and genetics for milking ability. It is an estimate of the daughter's progeny weaning weight. A bull with a 29 lb. M&G EPD should sire daughters with progeny weaning weights averaging 19 lb. heavier than progeny of a bull's daughters with a M&G EPD of 10 lb. (29 minus 10 = 19 lb.). It is equal to one-half the sire's weaning weight EPD, plus all of his MM EPD. No accuracy is associated with this since it is simply a mathematical combination of two other EPDs. It is sometimes referred to as "total maternal" or "combined maternal."

## Maternal Calving Ease (MCE)

MCE EPD predicts how easily a sire's daughters will calve at two years of age and is measured on a percentage. For example, if sire A has a MCE EPD of 7 and sire B has a CE EPD of -3, then you would expect on average if comparably mated, sire A's daughters would calve with a 10% more likely chance of being unassisted when compared to sire B's daughters.

## Mature Cow Weight (MCW)

The MCW EPD was designed to help breeders select sires that will either increase or decrease mature size of cows in the herd. The trait was developed after years of cow weight data collection and the EPD relates directly to the maintenance requirements of a cow herd. For example, if sire A has a MCW EPD of 100 and sire B has an EPD of 85, then you would expect the females of sire A, if comparably mated, to be 15 lb. heavier at mature size.

## Udder suspension (UDDR)

UDDR EPDs are reported on a 9 (very tight) to 1 (very pendulous) scoring scale. Differences in sire EPDs predict the difference expected in the sires' daughters' udder characteristics when managed in the same environment.

For example, if sire A has a UDDR EPD of 0.4, and sire B has a UDDR EPD of -0.1, the difference in the values is 0.5, or one-half of a score. If daughters of sires A and B are raised and managed in the same environment, you would expect half a score better udder suspension in daughters of sire A, compared to sire B.

## Teat size (TEAT)

TEAT EPDs are reported on a 9 (very small) to 1 (very large, balloon shaped) scoring scale. Differences in sire EPDs predict the difference expected in the sires' daughters' udder characteristics when managed in the same environment.

For example, if sire A has a teat size EPD of 0.4, and sire B has a teat size EPD of -0.1, the difference in the values is 0.5, or one-half of a score. If daughters of sires A and B are raised and managed in the same environment, you would expect half a score smaller teat size in daughters of sire A, compared to sire B.

## Carcass Weight (CW)

CW EPD is a beneficial trait when considering the impact that pounds have relative to end product value. At the same age constant endpoint, sires with higher values for carcass weight will add more pounds of hot carcass weight compared to sires with lower values for carcass weight. For example, if sire A has a CW EPD of 84 and sire B has a CW EPD 64, then you would expect the progeny of sire A, if harvested at the same age constant endpoint, to have a 20-lb. advantage in terms of hot carcass weight.

## Rib Fat (FAT)

The FAT EPD reflects differences in adjusted 365-day, 12th-rib fat thickness based on carcass measurements of harvested cattle. Sires with low, or negative FAT EPDs, are expected to produce leaner progeny than sires with higher EPDs. Ultrasound measures are also incorporated into this trait and have been shown to be highly correlated with the performance of slaughter progeny. All data is expressed on a carcass scale.

## Ribeye Area (REA)

REA EPDs reflect differences in an adjusted 365-day ribeye area measurement based on carcass measurements of harvested cattle. Sires with relatively higher REA EPDs are expected to produce better-muscled and higher percentage yielding slaughter progeny than will sires with lower REA EPDs. Ultrasound measurements are also incorporated into this trait and have been shown to be highly correlated with the performance of slaughter progeny. All data is expressed on a carcass scale.

## Marbling (MARB)

MARB EPDs reflect differences in an adjusted 365-day marbling score (intramuscular fat, [IMF]) based on carcass measurements of harvested cattle. Breeding cattle with higher MARB EPDs should produce slaughter progeny with a higher degree of IMF and therefore higher quality grades. Ultrasound measurements are also incorporated into this trait and have been shown to be highly correlated with the performance of slaughter progeny. All data is expressed on a carcass scale.

## Baldy Maternal Index (BMIS)

The BMIS 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. This index has significant weight on Sustained Cow Fertility, which predicts fertility and longevity of females. There is a slightly positive weight on Weaning Weight, Mature Cow Weight and Milk which accounts for enough growth but ensures females do not increase inputs. There is some negative emphasis on Dry Matter Intake, but a positive weighting on Carcass Weight which is anticipated to provide profitability from finishing of non-replacement females and castrated males. Marbling and Rib-eye Area are also positively weighted to keep the harvested progeny successful for CHB. This index is geared to identify Hereford bulls that will be profitable when used in a rotational cross with mature commercial Angus cows.

## Brahman Influence Index (BIIS)

The BIIS is a maternally focused index that is based on a production system that uses Brahman x Hereford cross cows. Progeny of these cows are directed towards a commodity beef market since Certified Hereford Beef® does not accept Brahman influenced cattle. This index has significant weight on Sustained Cow Fertility, which predicts fertility and longevity of females. There is a slightly positive weight on Weaning Weight, Mature Cow Weight and Milk which accounts for enough growth but ensures females do not increase inputs. There is some negative emphasis on Dry Matter Intake, but a positive weighting on Carcass Weight which is anticipated to provide profitability in finishing non-replacement females and castrated males. Marbling and Rib-eye Area are also positively weighted to keep harvested progeny successful for a variety of commodity based programs. This index targets producers that use Hereford bulls on Brahman influenced cows.

**Certified Hereford Beef Index (CHBS)** The Certified Hereford Beef Index (CHBS) 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. This index has significant weight on Carcass Weight and Marbling to ensure profit on the rail. As well there is a positive weighting for Average Daily Gain along with a negative weighting on Dry Matter Intake to ensure efficient pounds of growth in the finishing phase. In addition, there is a positive weighting for Rib-eye Area and a negative weighting for Back Fat to maintain desirable Yield Grades. This is the only index that has no emphasis on fertility. Remember that no replacement heifers are being retained.

## Quick Reference to ASA EPD and \$ Indexes

**Expected Progeny Differences (EPD):** EPD are the most accurate and effective tool available for comparing genetic levels. In using EPD, the difference between two sires' EPD represents the unit difference expected in the performance of their progeny. For example, if sires A and B have EPD of +10 and -5, a 15-unit difference would be expected in their progeny (moving from -5 to +10 yields 15 units). Key to using EPD is knowing what units they are expressed in. For example, if the above case referred to weaning weight EPD, A would be expected to sire 15-pounds more weaning weight than B. If calving ease were the trait, A would be expected to sire 15-percent more unassisted births in first-calf heifers; in other words, if B sired 30 assists in a group of 100 heifers, we'd expect A to require 15 assists. A percentile-ranking chart is required to determine where a bull's EPD rank him relative to other bulls in the breed. For percentile rankings or more detailed information about EPD and \$ indexes visit [www.simmmental.org](http://www.simmmental.org). Listed below are the units ASA EPD are expressed in:

**All-Purpose Index (API):** Dollars per cow exposed under an all-purpose-sire scenario. (See below for more details.)  
**Back Fat (BF):** Inches of backfat.  
**Birth Weight (BW):** Pounds of birth weight.  
**Calving Ease (CE):** Percent of unassisted births when used on heifers.  
**Carcass Weight (CW):** Pounds of carcass weight.  
**Maternal Calving Ease (MCE):** Percent of unassisted births in first-calving daughters.  
**Milk (MLK):** Pounds of weaning weight due to milk.  
**Marbling (MRB):** Marbling score.  
**Maternal Weaning Weight (MWW):** Pounds of weaning weight due to milk and growth.

**Ribeye Area (REA):** Square inches of ribeye.  
**Warner-Bratzler Shear Force (WBSF):** Pounds of force required to shear a steak.  
**Stayability (STAY):** Percent of daughters remaining in the cowherd at 6 years of age.  
**Terminal Index (TI):** Dollars per cow exposed under a terminal-sire scenario. (See below for more details.)  
**Weaning Weight (WW):** Pounds of weaning weight.  
**Yearling Weight (YW):** Pounds of yearling weight.  
**Yield Grade (YG):** Yield grade score.

**\$ Indexes:** Though EPD allow for the comparison of genetic levels for many economically important traits, they only provide a piece of the economic puzzle. That's where \$ indexes come in. Through well-conceived, rigorous mathematical computation, \$ indexes blend EPD and economics to estimate an animal's overall impact on your bottom line. The same technology that led to the dramatic progress in swine, poultry and dairy genetics over the last several decades was used to develop the following \$ indexes:

**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 grade and yield.

**Terminal Index (TI):** Evaluates sire for use on mature Angus cows with all offspring put on feed and sold grade and yield.

**Using API and TI:** First, determine which index to use; if you're keeping replacements use API, if not, TI. Then, just as with EPD, zero in on the unit difference between bulls. (As described above, index units are in dollars per cow exposed.) The difference can be used to determine how much a bull is worth compared to another. Or, put another way, how much you can pay for one bull compared to another. For example, when buying an all-purpose-type sire, you can quickly figure a bull scoring +100 for API is worth an extra \$6,000 over a +50 bull if both are exposed to 30 cows over 4 years (\$50 diff. x 30 hd. x 4 yr. = \$6,000). A percentile-ranking chart is required to determine where a bull's index value ranks him relative to other bulls in the breed. For percentile rankings or more detailed information about EPD and \$ indexes visit [www.simmmental.org](http://www.simmmental.org).

## RED ANGUS GUIDE TO EPDS

RedAngus.org

**ProS**..... Profitability and Sustainability is an all-purpose index that predicts average economic differences in all segments in the beef supply chain. This index is a combination of the breeding objectives modeled in the HerdBuilder and GridMaster selection indexes. In this index, replacement heifers are retained from within the herd and all remaining progeny are fed out to slaughter and sold on a quality-based grid. Traits included in this index include calving ease, growth, HPG, STAY, Mature Weight, Dry Matter Intake and carcass traits. The resulting index is expressed in dollars per head born (Index/High Value).

**HB**..... HerdBuilder is a maternal selection index that predicts the economic differences of animals for traits that are important from conception through weaning. Expressed as dollars per head born, HB is calculated based on the scenario that bulls are mated to heifers and cows, replacement heifers are retained and all remaining progeny are marketed at weaning. Traits included in the HB index include Calving Ease Direct, Calving Ease Maternal, Weaning Weight, Milk, Mature Weight, Heifer Pregnancy and Stayability (Index/High Value).

**GM**..... GridMaster is a selection index that predicts the average economic difference of non-replacement calves through the post-weaning phase of production. GM places selection pressure on growth, feedyard performance and carcass traits. Expressed as dollars per head born, GM is calculated based on the scenario that progeny are fed out to slaughter and marketed on a quality-based carcass grid. Traits included in GM include Average Daily Gain, Carcass Weight, Dry Matter Intake, Marbling, Back Fat and Rib Eye Area (Index/High Value).

**CED**..... Calving Ease Direct predicts differences in the percent of calves born unassisted out of 2-year-old dams. (Percent/High Value)

**BW**..... Birth Weight predicts differences in actual birth weight of progeny. (Pounds/Low Value)

**WW**..... Weaning Weight predicts differences in 205-day weaning weight. (Pounds/High Value)

**YW**..... Yearling Weight predicts differences in 365-day yearling weight. (Pounds/High Value)

**ADG**..... Average Daily Gain predicts differences in weight gain between 205 and 365 days of age. (Pounds/High Value)

**DMI**..... Dry Matter Intake predicts differences in daily feed intake as measured in a feedlot during the post-weaning period. (Pounds/Low Value)

**MILK**..... Milk predicts differences in weaning weight attributed to the milking ability of the animal's daughters. (Pounds/High Value)

**ME**..... Maintenance Energy predicts the difference in maintenance energy requirements. (Mcal per Month/Low Value)

**HPG**..... Heifer Pregnancy predicts differences in the percent of daughters who are able to conceive and calve at 2 years of age following exposure to breeding. (Percent/High Value)

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

**STAY**..... Stayability predicts differences in the ability of an animals' retained daughters to remain productive in the herd – calve every year – through 6 years of age. (Percent/High Value)

**MARB**..... Marbling predicts differences in marbling score – amount of intramuscular fat measured at the 13th rib. (Marbling Score Units/High Value)

**YG**..... Yield Grade predicts differences in USDA Yield Grade, which is calculated using CW, REA and Fat. (Yield Grade Units/Low Value)

**CW**..... Carcass Weight predicts differences in actual hot carcass weight. (Pounds/High Value)

**REA**..... Ribeye Area predicts differences in square inches of ribeye area measured at the 13th rib. (Square Inches/High Value)

**FAT**..... Fat predicts differences in the depth of backfat measured between the 12th and 13th ribs. (Inches/Low Value)

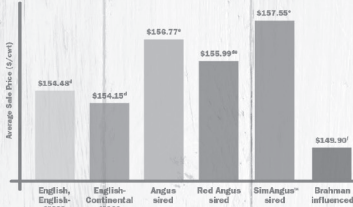




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<sup>3</sup>Lots that qualified for breed-related programs were excluded from the analysis due to potential confounding effects with sire breed analysis and, for many, few lots in the data.

<sup>4</sup>Mothers without a common superscript differ (P<.05). Lots of calves in breed-identified groups were sized by bulk from the respective breeds and cut of claim with the Brahman influence.

## N.C. Simmental Association

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**DIRECTIONS TO GRANVILLE COUNTY LIVESTOCK ARENA, OXFORD, NC:** Take exit 204 off I-85 in Oxford, go South on Hwy 96 for 1.1 miles, turn left onto Fairport Rd. for 2.4 miles, turn right onto Cannady Mill Rd and the arena is 0.25 miles on the left OR from the junction of Hwy 96 and 56 at Wilton, NC go North on Hwy 96 for 3 miles, turn right onto Cannady Mill Rd for 6 miles and the arena is on the right. Address 4200 Cannady Mill Rd. Oxford NC 27565