

43<sup>rd</sup> Annual

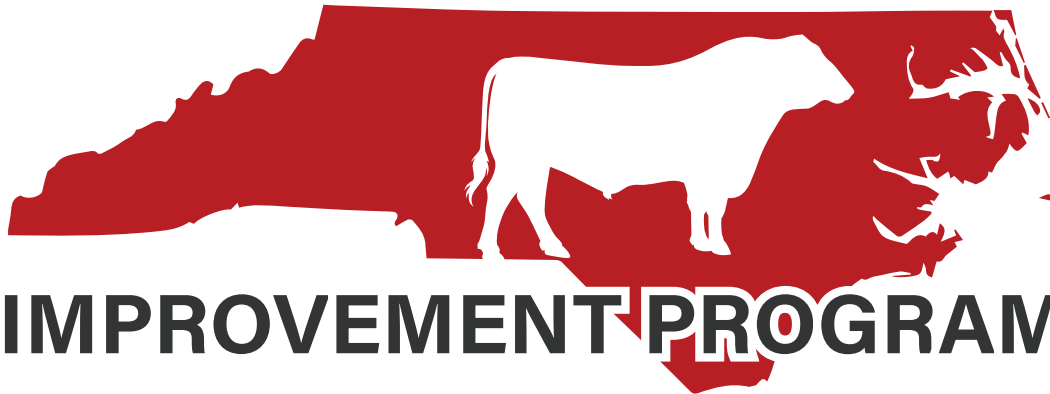
# North Carolina BCIP

## Waynesville Bull Test Sale

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### NC BEEF CATTLE



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**Saturday - December 3, 2022**  
**11:00 AM**

### SELLING 32 BULLS

23 Angus, 4 Herford, 2 Simmental, 2 SimAngus & 1 Balancer

**WNC Regional Livestock Center**  
**Canton, North Carolina**

919/422-9108 • 336/504-7268

**NC STATE** EXTENSION

Johnny Rogers 336.504.7268



Will Morrow, MRS Supt.  
Kyle Miller, Livstk. Mgr.  
828.456.3943



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 forty-third annual Waynesville Bull Sale is Saturday, December 3, 2022 at 11:00 am at the WNC Regional Livestock Center in Canton, NC. Bulls will be available for viewing at the sale facility beginning the morning of Friday, December 2. All bulls will have a floor price of \$1,750.00. All bulls will need to be removed from the facility on sale day. Directions to the sale site are on the back cover of this catalog.

The Waynesville Bull Test Station is located at the Mountain Research Station operated by the North Carolina Department of Agriculture. The test is sponsored by the North Carolina Beef Cattle Improvement Program and conducted through the cooperative efforts of North Carolina Cooperative Extension, North Carolina Department of Agriculture and the North Carolina Cattlemen's Association.

Thank you to Will Morrow (Mountain Research Station, Superintendent), Kyle Miller (Bull Test Station, Manager) and the staff of the Mountain Research Station for the excellent care they have given the bulls again this year.

All bulls in the sale have genomically enhanced EPDs to improve their EPD accuracy. New in the catalog this year, you will find the percentile ranking for each EPD. 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. An opportunity for our Tennessee buyers this year, on sale day we will have a listing of all bulls which qualify for the TN Ag Enhancement Program (TAEP).

An email blast sent out the week of the sale will provide the latest details about the sale. To receive this email blast contact the NC Cattlemen's Association office at 919.552.9111. 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 Saturday, December 3 to get a definite status of the sale.

336-504-7268

919.795.9696

828.456.3943

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## **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.

## Waynesville Bull Test Sale Order 2022

Tag	Weight 10/25	Price	Tag	Weight 10/25	Price
<b>Angus</b>			<b>Simmental/Gelbvieh</b>		
30	1376		23	1236	
21	1345		18	1150	
8	1280		13	1098	
32	1320		24	1134	
31	1200		25	1156	
33	1252		<b>Angus Cont'd</b>		
7	1299		42	1224	
4	1267		3	1227	
5	1295		11	1164	
15	1260		9	1191	
43	1243		29	1259	
20	1236		6	1240	
<b>Hereford</b>			14	1193	
36	1089		34	1296	
38	1075		26	1233	
35	986		2	1210	
37	950		16	1184	

### Waynesville Consignor Index

#### Angus (23)

Buddy Hamrick – H&H Farm - Boiling Springs, NC  
 Chuck Broadway – Broadway Cattle Farm - Monroe, NC  
 Jamie Jenkins – Jenkins Angus – Marshall, NC  
 Jonathan Wells - Berry-Wells Farm – Rayle, GA  
 Eugene Shuffler – Shuffler Farm – Union Grove, NC  
 Ben Stonecypher - Lazy S Angus – Chuckey, TN  
 Gary Hill – Hill Angus - Hendersonville, NC  
 Dennis Overcash – Overcash Angus Farm-Mooresville, NC  
 Sean Simpkins - Simpkins Angus - Clyde, NC  
 Marcus Starnes - Starnes Farms – Greenville, TN

#### Phone Number

704.472.1912  
 704.579.3514  
 828-206-1345  
 770-880-6678  
 704.539.4161  
 423-444-9694  
 229-848-3695  
 704.663.2547  
 828-421-5453  
 423-329-7247

#### Tag Number

2,3  
 4,5,6,7,8,9  
 11  
 14,15,16  
 20,21  
 26  
 29, 30  
 31,32,33  
 34  
 42,43

#### Hereford (4)

Bryson Westbrook – 4B Farm LLC – Shelby, NC

980.230.4868

35,36,37,38

#### Simmental/Gelbvieh(5)

Doug Keziah – Keziah Farms – Monroe, NC  
 Sydney Shuler - Parris Cattle Farms – Canton, NC  
 Eugene Shuffler – Shuffler Farm – Union Grove, NC

704-242-1763  
 828-734-5211  
 704.539.4161

13  
 18  
 23,24,25

### Breed Average EPD's

Breed	CED	BW	WW	YW	MILK
ANGUS	7	1.2	61	108	26
GELBVIEH/BALANCER	13	-0.5	70	107	20
HEREFORD	2.8	2.8	54	87	26
SIMMENTAL	10	1.6	77	115	23
SIMMENTAL HYBRID	12	0.4	75	116	22

FOR A COMPLETE EXPLANATION OF THE EPD'S IN THIS CATALOG YOU CAN GO TO THE BREED WEBSITES: [ANGUS.ORG](http://ANGUS.ORG) ,  
[GELBVIEH.ORG](http://GELBVIEH.ORG), [HEREFORD.ORG](http://HEREFORD.ORG), OR [SIMMENTAL.ORG](http://SIMMENTAL.ORG)

**2 H&H ACCLAIM 321** ANGUS  
 Reg. No. 20316685 Tattoo 321 DOB 10/10/2021 PB  
 Consignor H&H FARM

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	72	798	3.4	1210	50.00	1223	36	1	3.25	12.5	0.19
Ratio/FS	97	113	89	98	5.3				105	100	90

JINDRA 3RD DIMENSION AAA \*17365830

**JINDRA ACCLAIM AAA #\*17972810 [RDF]**  
 JINDRA BLACKBIRD LASSY 1111 AAA +17970373

SITZ UPWARD 307R AAA #\*14963730

**H & H FORTE 104 1417 AAA 19076475**  
 H&H JENANNA 104 AAA 15066617

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	5	1.2	68	124	.24	.8	-.19	16	10.2	7	33	66	.3
% Rank	65%	50%	30%	25%	55%	25%	95%	60%	75%	65%	10%	50%	60%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-25	0.53	0.47	67	0.54	0.70	.021	58	71	109	48	157	262
% Rank	75%	65%	45%	10%	60%	40%	65%	65%	15%	10%	50%	25%	30%

**3 H&H ACCLAIM 421** ANGUS  
 Reg. No. 20316690 Tattoo 421 DOB 10/20/21 PB  
 Consignor H&H FARM

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	72	775	3.9	1227	51.50	1233	35	1	2.95	12.4	.22
Ratio/FS	100	109	103	99	6.2				95	99	105

JINDRA 3RD DIMENSION AAA \*17365830

**JINDRA ACCLAIM AAA #\*17972810 [RDF]**  
 JINDRA BLACKBIRD LASSY 1111 AAA +17970373

G A R NEW DESIGN 5050 AAA #+13728513 [RDF]

**H & H PRIDE LASS 58A 816 AAA 18721127**  
 YR PRIDE LASS 246 AAA 14327247

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	8	.4	65	120	0.30	.8	.23	32	10.3	2	35	106	.6
% Rank	35%	35%	40%	30%	15%	25%	90%	3%	70%	95%	10%	10%	30%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-45	0.56	0.64	69	0.78	0.84	.029	34	65	123	61	184	273
% Rank	95%	75%	95%	10%	30%	20%	75%	95%	30%	2%	25%	5%	20%

**4 BCIV ATLAS 1024** ANGUS  
 Reg. No. 20132091 Tattoo 1024 DOB 9/1/2021 PB  
 Consignor Broadway Cattle Farm, LLC

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	77	699	3.9	1267	52.5	1363	39	1	3.41	12.4	.26
Ratio/FS	95	96	104	103	6.1				71	93	100

JINDRA ACCLAIM AAA #\*17972810 [RDF]

**FF RITO ATHLETE AAA #\*19588275 [RDF]**  
 FF RITA 5B63 OF 356H 3S10 AAA +\*18253581

BASIN PAYWEIGHT 1682 AAA #+\*17038724

**BCIV BLACKCAP FB45 AAA #\*19265350**  
 SPRUCE MTN BLACKCAP 0821 AAA +\*16905267

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	4	.7	73	136	0.32	.8	.51	23	13.3	6	38	68	0.4
% Rank	70%	40%	20%	15%	5%	25%	75%	30%	40%	75%	2%	45%	50%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-29	0.46	0.50	71	0.80	0.80	.017	72	80	122	62	184	311
% Rank	85%	35%	60%	10%	30%	25%	60%	30%	4%	2%	25%	5%	3%

**5 BCIV ATLAS 1057** ANGUS  
 Reg. No. 20132145 Tattoo 1057 DOB 9/13/2021 PB  
 Consignor Broadway Cattle Farm, LLC

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	76	735	3.7	1295	51.5	1373	41	1	6.28	14.1	.27
Ratio/FS	94	101	98	105	5.7				131	105	104

BYERGO BLACK MAGIC 3348 AAA \*17803074

**BCIV BLACK MAGIC 4564 AAA #\*19157771**  
 BYERGO MISS ELIA 4564 AAA 18656210

K C F BENNETT BOULDER AAA \*18491439

**BCIV BLACKCAP FC83 AAA #\*19375217**  
 SPRUCE MTN BLACKCAP 0821 AAA +\*16905267

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	11	.6	64	114	0.25	.9	1.91	21	6.9	9	27	61	0.5
% Rank	15%	35%	40%	40%	50%	15%	4%	40%	95%	45%	45%	55%	40%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-19	0.49	0.41	53	1.11	0.76	-.011	56	63	93	78	171	278
% Rank	60%	45%	15%	35%	10%	30%	20%	70%	35%	30%	5%	15%	15%

**6 BCIV ATLAS 1035** ANGUS  
 Reg. No. 20132085 Tattoo 1035 DOB 9/7/2021 PB  
 Consignor Broadway Cattle Farm, LLC

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	80	721	3.6	1240	52.50	1363	39	1	4.72	13.3	.32
Ratio/FS	99	99	97	100	6.2				98	99	123

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

**G A R KANSAS AAA #\*19266637 [RDF]**  
 CHAIR ROCK MOMENTUM 6057 AAA +\*18752673

BYERGO EASY ANSWER 3314 AAA 17898045

**BYERGO ELIA 6414 AAA 19444926**  
 BYERGO ELIA 4742 AAA 18853707

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	6	1.2	75	136	0.27	.7	1.2	18	14.8	4	30	81	0.5
% Rank	55%	50%	15%	15%	30%	35%	30%	55%	25%	90%	25%	30%	40%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-30	0.54	0.64	58	0.82	0.72	.031	61	74	98	61	159	267
% Rank	85%	70%	95%	25%	30%	35%	75%	60%	10%	25%	25%	25%	25%

**7 BCIV ATLAS 1045** ANGUS  
 Reg. No. 20133893 Tattoo 1045 DOB 9/9/2021 PB  
 Consignor Broadway Cattle Farm, LLC

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	78	744	3.7	1299	53.00	1350	37	1	4.84	13.7	.2
Ratio/FS	96	102	99	105	6.4				101	102	77

MEAD MAGNITUDE AAA \*18543414

**BCIV MAGNITUDE 9047 AAA #\*19540049**  
 TRIPLE L UPWARD 1368-133 AAA 17854010

BYERGO TITUS 6340 AAA \*18818214

**BCIV SARAH 9084 AAA #\*19661821**  
 YON SARAH B732 AAA +\*17905395

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	11	.6	81	144	0.27	1.4	.89	25	12.5	12	32	102	1.2
% Rank	15%	35%	10%	10%	30%	1%	50%	20%	45%	15%	15%	15%	2%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-41	0.42	0.42	69	0.26	0.87	-.054	69	80	104	43	147	260
% Rank	95%	20%	20%	10%	85%	15%	1%	35%	4%	15%	65%	35%	30%

**8 BCIV ATLAS 1076** ANGUS  
 Reg. No. 20296518 Tattoo 1076 DOB 9/23/2021 PB  
 Consignor Broadway Cattle Farm, LLC

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	86	671	4.3	1280	52.5	1305	36	1	4.38	12.2	.25
Ratio/FS	106	98	114	104	6.4				100	100	100

MEAD MAGNITUDE AAA \*18543414

**BCIV MAGNITUDE 9047 AAA +\*19540049**  
 TRIPLE L UPWARD 1368-133 AAA 17854010

BYERGO BLACK MAGIC 3348 AAA \*17803074

**BROADWAY BYERGO DONNA AAA +\*19431530**  
 ZWT DONNA 1528 AAA +\*17481715

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	9	1.6	71	129	0.27	.8	1.0	27	13.4	11	26	76	0.5
% Rank	30%	60%	25%	20%	30%	25%	40%	15%	35%	25%	50%	35%	75%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-26	0.59	0.55	49	0.24	1.12	-.041	66	66	88	45	132	237
% Rank	75%	85%	80%	45%	90%	2%	3%	45%	25%	40%	60%	60%	55%

**9 BCIV ATLAS 1070** ANGUS  
 Reg. No. 20303682 Tattoo 1070 DOB 9/16/2021 PB  
 Consignor Broadway Cattle Farm, LLC

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	78	622	4.0	1191	52	1293	37	1	3.02	12.5	.17
Ratio/FS	100	100	107	97	6.0				100	100	100

HA COWBOY UP 5405 AAA #\*18286467

**BYERGO MAVERICK 8400 AAA +\*19202433 [RDF]**  
 BYERGO MISS CUPCAKE 7400 AAA \*17516020

G A R CONCRETE AAA +16046828

**G B CONCRETE 8406-7606-11115 AAA 16845239**  
 GOLD HILL RITA 8406 AAA 16580856

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	0	4.9	67	111	0.24	1.0	.58	13	10.7	2	41	66	0.6
% Rank	45%	95%	35%	245%	55%	10%	70%	75%	70%	95%	1%	50%	30%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-29	.52	.58	46	0.75	.70	-.024	50	66	79	62	141	233
% Rank	85%	60%	90%	55%	35%	40%	10%	85%	25%	65%	25%	45%	60%

**11 JAF ENHANCE 2132** ANGUS  
 Reg. No. 20175372 Tattoo 2132 DOB 10/30/2021 PB  
 Consignor Jenkins Angus Farm

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	75	560	4.2	1164	50.50	1153	39	1	5.17	11.4	.25
Ratio/FS	100	100	112	94	5.8				100	100	100

SYDGEN EXCEED 3223 AAA \*17501893 [RDF]

**SYDGEN ENHANCE AAA 18170041 [RDF]**  
 SYDGEN RITA 2618 AAA 17405676

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

**W R F MINA 616 AAA 18757726**  
 W R F MINA 621 AAA 15648625

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	4	1.9	68	135	0.33	.8	2.11	24	11.6	4	29	81	0.5
% Rank	70%	65%	30%	15%	4%	25%	2%	60%	90%	30%	30%	40%	40%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-30	0.49	0.57	58	1.06	0.61	-.009	54	62	108	74	182	290
% Rank	85%	45%	90%	25%	10%	50%	75%	35%	10%	10%	5%	10%	10%

**14 WELLS REGIMENT W114** ANGUS  
 Reg. No. 20370873 Tattoo W114 DOB 9/13/2021 PB  
 Consignor Berry-Wells Farm

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	70	689	3.8	1193	52.5	1328	38	1	5.39	11.9	.2
Ratio/FS	100	100	101	97	6.2				100	100	100

WAR CAVALRY B063 Z044 AAA \*17979842

**WILKS REGIMENT 9035 AAA +\*19401188 [RDF]**  
 VINTAGE CHLOE 6137 AAA \*18376117

A A R TEN X 7008 S A AAA #\*15719841

**BRIDGES TEN X 5500 AAA +\*18506715**  
 G A R COMPLETE R231 AAA +\*17255911

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	12	-.1	80	144	0.31	1.0	1.11	21	17.6	14	42	85	0.9
% Rank	10%	25%	10%	10%	10%	10%	35%	40%	5%	4%	1%	25%	10%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-39	0.63	0.51	62	1.12	0.69	.004	77	89	98	77	174	303
% Rank	95%	95%	65%	20%	10%	40%	40%	15%	1%	25%	10%	10%	5%

**15 WELLS HOME TOWN W107** ANGUS  
 Reg. No. 20370869 Tattoo W107 DOB 9/6/2021 PB  
 Consignor Berry-Wells Farm

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	68	759	3.8	1260	52.00	1343	36	1	5.36	14	.2
Ratio/FS	97	101	101	102	5.9				91	105	91

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

**G A R HOME TOWN AAA \*19266718 [RDF]**  
 CHAIR ROCK SURE FIRE 6095 AAA +\*18644754

BRIDGES FORETOLD AAA +\*18794324 [RDF]

**WELLS FORETOLD W932 AAA 19710700**  
 G A R RETAIL PRODUCT A848 AAA 16235356

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	12	0	78	142	0.30	.7	-.43	14	12.5	11	25	91	0.7
% Rank	10%	25%	10%	10%	15%	35%	95%	70%	45%	25%	60%	20%	25%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-32	0.65	0.53	65	1.18	1.09	-.020	56	72	110	87	196	310
% Rank	90%	95%	75%	15%	10%	3%	15%	70%	15%	10%	2%	2%	3%

**16 WELLS ENHANCE W106** ANGUS  
 Reg. No. 20370868 Tattoo W106 DOB 9/5/2021 PB  
 Consignor Berry-Wells Farm

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	78	757	3.4	1184	52.50	1248	39	1	6.41	12.6	.23
Ratio/FS	111	101	90	96	6.1				109	95	105

SYDGEN EXCEED 3223 AAA \*17501893 [RDF-M1F-OHF]

**SYDGEN ENHANCE AAA 18170041 [RDF-M1F-OHF]**  
 SYDGEN RITA 2618 AAA 17405676

WELLS SURE FIRE W731 AAA +\*19116841

**WELLS WINDSONG W953 AAA 20348487**  
 WELLS PROPHET W502 AAA 19095587

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	7	1.9	80	139	0.27	.9	.92	33	11.5	9	26	92	0.8
% Rank	45%	65%	10%	10%	30%	15%	50%	2%	60%	45%	50%	20%	15%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-33	0.46	0.41	57	1.33	0.73	-.029	71	73	97	85	182	307
% Rank	90%	35%	15%	30%	3%	35%	75%	30%	15%	25%	3%	5%	4%

**20 SFA SJ12 STELLAR OF KE45 ANGUS**  
 Reg. No. 20363367 Tattoo SJ12 DOB 9/12/2021 PB  
 Consignor Shuffler Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	76	694	3.9	1236	52.50	1335	38	1	4.28	10.9	.38
Ratio/FS	99	94	103	100	6.3				100	100	100

MOHNEN SUBSTANTIAL 272 AAA #\*17292558

**SITZ STELLAR 726D AAA \*18397542**

SITZ PRIDE 200B AAA \*17776820

K C F BENNETT SOUTHSIDE AAA #\*16430862

**SFA ELBA KE45 AAA 19066813**

SFA ELBA VZ14 AAA 17533091

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	-1	1.8	67	121	0.23	.7	.79	18	16.3	8	36	60	0.2
% Rank	95%	65%	35%	30%	65%	35%	55%	55%	15%	55%	4%	55%	70%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-24	0.47	0.56	50	0.87	0.17	.095	72	72	84	50	135	247
% Rank	70%	40%	85%	45%	25%	95%	95%	30%	15%	50%	45%	55%	45%

**21 SFA RJ14 COMMODORE OF BG45 ANGUS**  
 Reg. No. 20363377 Tattoo RJ14 DOB 9/13/2021 PB  
 Consignor Shuffler Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	85	764	3.9	1345	52.50	1373	38	1	3.13	14	.26
Ratio/FS	110	98	105	109	6.2				100	100	100

CONNELLY COMRADE 1385 AAA #\*17031465 [RDF]

**KESSLERS COMMODORE 6516 AAA \*18545936 [RDF]**

KESSLERS RAINBOW 0595 AAA 16722638

S A V BRUISER 9164 AAA #16396531

**SFA FOREVER BG45 AAA 19744799**

SFA FOREVER KE19 AAA 19066816

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	3	2.2	76	129	0.25	.8	.69	25	12.0	13	34	48	0.3
% Rank	80%	75%	15%	20%	50%	25%	65%	20%	55%	10%	10%	70%	60%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-17	0.50	0.53	64	0.64	0.59	.013	82	81	105	52	157	286
% Rank	55%	50%	75%	15%	45%	55%	50%	10%	3%	15%	45%	25%	15%

**26 LSA NIAGARA PRIDE ANGUS**  
 Reg. No. 20345952 Tattoo J286 DOB 10/13/2021 PB  
 Consignor LSA Niagara

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	88	793	3.4	1233	52.00	1243	39	1	3.39	12.1	.16
Ratio/FS	105	111	90	100	6.3				89	94	80

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

**G V F NIAGARA AAA 19149655**

G V F RUBY 2063 AAA 17267641

TC TOTAL 410 AAA #14844711

**G V F BLACK MISS 1088 AAA +16978198**

G V F BLACK MISS 4057 AAA 14731256

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	8	2.4	81	134	0.30	.6	1.35	17	7.2	12	23	115	0.7
% Rank	35%	80%	10%	15%	15%	45%	20%	55%	95%	15%	75%	5%	25%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-42	0.59	0.48	59	0.54	1.01	-.023	39	68	105	56	160	247
% Rank	95%	85%	50%	25%	60%	10%	10%	95%	20%	15%	35%	20%	45%

**29 HAF BONFIRE 691 ANGUS**  
 Reg. No. 20182258 Tattoo 691 DOB 10/28/2021 PB  
 Consignor Hill Angus Farm

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	90	758	3.6	1259	52.00	1200	36	1	4.13	11.9	.22
Ratio/FS	111	102	96	102	6.5				100	100	100

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

**G A R BONFIRE AAA \*18789776 [RDF]**

CHAIR ROCK PROPHET 3054 AAA #\*17799512

A A R TEN X 7008 S A AAA #\*15719841

**HAF BLACKBIRD 10X 629 AAA \*19664512**

LEMMON BLACKBIRD 62X AAA 16701540

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	4	3.3	64	114	0.24	1.0	1.01	18	11.9	12	27	49	0.9
% Rank	70%	90%	40%	40%	55%	10%	40%	55%	55%	15%	45%	70%	10%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-14	0.55	0.43	42	1.19	0.29	.030	69	57	77	72	150	264
% Rank	45%	75%	25%	65%	5%	95%	75%	35%	50%	65%	10%	35%	30%

**30 BRITTS MAGNITUDE I24 ANGUS**  
 Reg. No. 20318101 Tattoo 24 DOB 9/7/2021 PB  
 Consignor Hill Angus Farm

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	80	821	4.7	1376	53.00	1410	38	1	3.43	12.8	.22
Ratio/FS	104	110	125	112	6.4				100	100	100

K C F BENNETT SOUTHSIDE AAA #\*16430862

**MEAD MAGNITUDE AAA \*18543414**

MEAD PRIMROSE N198 AAA #\*17895117

YON FINAL ANSWER D1013 AAA #18507782

**BRITT'S QUEEN G67 AAA 19743266**

YON QUEEN E82 AAA \*18810484

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	13	-.5	80	158	0.34	1.1	.36	27	5.4	12	41	96	0.8
% Rank	10%	15%	10%	2%	2%	10%	80%	15%	95%	15%	1%	15%	15%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-43	0.47	0.46	77	0.46	0.79	-.012	53	85	120	48	168	271
% Rank	95%	40%	35%	3%	70%	25%	20%	80%	2%	3%	50%	15%	20%

**31 OAF GROWTH FUND 0114 ANGUS**  
 Reg. No. 20378589 Tattoo 0114 DOB 9/23/2021 PB  
 Consignor Dennis F. Overcash

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	72	706	4.5	1200	50.50	1268	35	1	3.86	12.7	.27
Ratio/FS	95	98	121	97	5.4				100	100	100

BASIN PAYWEIGHT 1682 AAA #\*17038724

**DEER VALLEY GROWTH FUND AAA \*18827828 [RDF]**

DEER VALLEY RITA 36113 AAA #\*17785214

SYDGEN C C & 7 AAA #\*15330743

**O A F SYDGEN CC&7 0413 AAA 18161969**

OAF 1961 0907 AAA 16682449

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	5	.9	74	146	0.33	1.0	.40	26	8.5	9	31	99	0.9
% Rank	65%	45%	15%	5%	4%	10%	80%	15%	85%	45%	20%	15%	10%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-39	0.51	0.40	70	0.31	0.74	.020	51	69	116	38	154	251
% Rank	95%	55%	15%	10%	85%	30%	65%	85%	20%	4%	75%	30%	40%



**32 OAF SITZ STELLAR 0104** ANGUS  
 Reg. No. 20379545 Tattoo 0104 DOB 9/29/2021 PB  
 Consignor Dennis F. Overcash

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	72	834	3.9	1320	51.00	1315	39	1	1.94	13	.41
Ratio/FS	105	100	104	107	5.7				100	100	100

MOHNEN SUBSTANTIAL 272 AAA #\*17292558

**SITZ STELLAR 726D AAA \*18397542**

SITZ PRIDE 200B AAA \*17776820

JINDRA ACCLAIM AAA #\*17972810 [RDF]

**OAF JINDRA ACCLAIM 0943 AAA 19815976**

O A F SYDGEN CC&7 0405 AAA 18161972

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	0	1.7	64	111	0.26	.4	.49	24	16.0	10	28	69	0.3
% Rank	95%	65%	40%	45%	40%	70%	75%	25%	15%	30%	35%	45%	60%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-24	0.41	0.45	36	0.20	0.68	.031	73	62	76	31	107	212
% Rank	70%	15%	35%	80%	90%	40%	75%	25%	35%	70%	90%	90%	80%

**33 OAF QUANTUM 0120** ANGUS  
 Reg. No. 20378240 Tattoo 0120 DOB 10/3/2021 PB  
 Consignor Dennis F. Overcash

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	72	751	4.2	1252	52.00	1280	38	1	4.93	12.7	.29
Ratio/FS	99	100	111	102	6.2				100	100	100

G A R MOMENTUM AAA \*17354145 [RDF]

**G A R QUANTUM AAA \*18636059 [RDF]**

G A R IN SURE 1524 AAA \*17965254

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

**OAF DISCOVERY 0853 AAA 19496399**

OAF TOUR OF DUTY 0517 AAA 18520816

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	3	3.4	89	161	0.32	.8	1.12	20	10.1	1	25	109	.7
% Rank	80%	90%	2%	1%	5%	25%	35%	45%	75%	95%	60%	10%	25%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-41	0.48	0.59	71	1.34	0.80	.009	51	73	114	88	202	313
% Rank	95%	40%	95%	10%	2%	25%	45%	85%	15%	5%	2%	1%	3%

**34 SKINZ RESURRECTION** ANGUS  
 Reg. No. 20167043 Tattoo 1598 DOB 10/14/2021 PB  
 Consignor Simpkins Angus

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	71	737	3.2	1296	52.00	1330	40	1	5.34	13.9	.18
Ratio/FS	100	100	85	105	6.4				100	100	100

QUAKER HILL RAMPAGE 0A36 AAA #\*16925771 [RDF]

**V A R REVELATION 6299 AAA \*18432146 [RDF]**

SANDPOINT BLACKBIRD 8809 AAA \*16143141

JINDRA ACCLAIM AAA #\*17972810 [RDF]

**WILLIAMS A BLACKCAP 455-316 AAA \*19684694**

WILLIAMS PROP BLACKCAP 322 AAA \*18594053

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	7	1.1	92	152	0.29	.7	.48	20	16.9	9	25	112	0.8
% Rank	45%	50%	1%	3%	20%	35%	75%	45%	10%	45%	60%	10%	15%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-42	0.32	0.38	77	1.04	1.02	.001	83	85	120	78	198	340
% Rank	95%	3%	10%	3%	15%	5%	35%	10%	2%	3%	5%	2%	1%

**42 STARNES EMBLEM 1256** ANGUS  
 Reg. No. 20287340 Tattoo 1256 DOB 09/27/2021 PB  
 Consignor Starnes Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	80	732	3.9	1224	51.00	1293	40	1	3.9	13.5	.21
Ratio/FS	100	100	105	99	5.6				99	100	100

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

**S A V EMBLEM 8074 AAA \*19250937 [RDF]**

S A V EMBLYNETTE 2369 AAA #\*17249196

S A V RECHARGE 3436 AAA #\*17633838

**STARNES FOREVERLADY 7112 AAA \*18841488**

SF FOREVERLADY 511 AAA \*17065781

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	-2	3.6	64	122	0.29	.5	1.91	24	11.7	5	17	113	0.7
% Rank	95%	95%	40%	30%	20%	55%	4%	25%	55%	85%	95%	10%	25%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-38	0.40	0.44	47	0.19	0.86	-.050	36	38	91	40	131	206
% Rank	95%	15%	30%	50%	90%	20%	2%	95%	95%	35%	70%	60%	85%

**43 STARNES AMERICA 1262** ANGUS  
 Reg. No. 20287345 Tattoo 1262 DOB 10/3/2021 PB  
 Consignor Starnes Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	82	730	3.8	1243	51.00	1298	39	1	3.98	13.5	.21
Ratio/FS	100	100	102	101	5.7				101	100	100

S A V PRESIDENT 6847 AAA \*18578964

**S A V AMERICA 8018 AAA \*19249580 [RDF]**

S A V MADAME PRIDE 0075 AAA 13592871

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

**STARNES BLACK MISS 7132 AAA \*19104754**

G V F BLACK MISS 1180 AAA 17167080

	CED	BW	WW	YW	RADG	YH	SC	DOC	HP	CEM	Milk	MW	MH
EPD	0	5.6	87	155	0.31	.6	1.51	20	9.9	3	28	1.44	.9
% Rank	95%	95%	3%	2%	10%	45%	15%	45%	75%	95%	35%	1%	10%
	\$EN	CLAW	ANG	CW	MRB	RE	FAT	\$M	\$W	\$F	\$G	\$B	\$C
EPD	-58	0.37	0.36	73	0.31	1.13	-.010	43	63	115	46	160	251
% Rank	95%	10%	5%	5%	85%	2%	20%	95%	35%	5%	55%	20%	40%

**35 4B 7126 REVOLUTION J68** HEREFORD  
 Reg. No. 44313217 Tattoo J68 DOB 11/01/2021 PB  
 Consignor Four B Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	78	578	3.8	1243	51.00	1298	35	1	3.61	11.5	.17
Ratio/FS	111	97	98	97	5.6				100	100	100

JMS VICTOR 967 398 {DLF,HYF,IEF,MSUDF} (P4347911)

**JMS VICTOR 398 7126 {DLF,HYF,IEF} (P43852695)**

JMS VICTORIA 194 503 {DOD,HYP} (P43602987)

TF RIB EYE X51 043 909B {DLF,HYF,IEF,MSUDF} (P43540218)

**4B 909B WESTBROOK E705 {HYP} (P43800044)**

WILL-VIA MS PANTHER T-206 {HYP} (P43586385)

	CED	BW	WW	YW	MILK	M&G	CEM	MCW	US	TS	SC
EPD	-3.4	3.2	59	95	.16	46	-3.6	108	1.20	1.20	.7
% Rank	92%	59%	31%	30%	92%	82%	93%	90%	59%	62%	79%
	DMI	FERT.	CW	FAT	REA	MAR	BMI	BII	CHB		
EPD	.05	13.2	66	0.007	0.54	0.30	\$312	\$397	\$127		
% Rank	86%	78%	59%	39%	22%	9%	71%	59%	23%		

**36 4B R117 RIB EYE J04** HEREFORD  
 Reg. No. 44295109 **Tattoo** J04 **DOB** 11/4/2021 **PB**  
**Consignor** Four B Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	66	662	2.9	1089	51.00	1108	38	1	3.3	12.3	.27
Ratio/FS	94	94	122	107	5.7				106	98	113

KCF BENNETT 3008 M326 {CHB,SOD,DLF,HYF,IEF,MDF} (P42361822)

**SHF RIB EYE M326 R117 {CHB,SOD,DLF,HYF,IEF} (P42584003)**  
 HVH MISS HUDSON 83K 8M {HYP} (P42247970)

KCF BENNETT REVOLUTION X51 {CHB,SOD,DLF,HYF,IEF,MDF} (P43081556)

**4B X51 Z05 REVOLUTION 819F {HYP} (P44033893)**  
 4B Z05 P316 CONSERVATIVE 409B {DOD,HYP} (P43600314)

	CED	BW	WW	YW	MILK	M&G	CEM	MCW	US	TS	SC
EPD	5.3	1.7	51	80	19	44	4.2	86	1.3	1.4	1.2
% Rank	28%	25%	66%	72%	89%	87%	24%	22%	32%	18%	26%
	DMI	FERT.	CW	FAT	REA	MAR	BMI	BII	CHB		
EPD	.03	19.1	61	0.007	0.38	0.43	\$397	\$487	\$134		
% Rank	68	12%	78%	39%	55%	2%	18%	11%	17%		

**37 4B 0076 BLUEPRINT J45** HEREFORD  
 Reg. No. 44313146 **Tattoo** J45 **DOB** 10/26/2021 **PB**  
**Consignor** Four B Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	80	652	2.4	950	50.00	1003	36	1	2.96	11.7	.22
Ratio/FS	115	98	100	93	5.5				95	94	92

BOYD 31Z BLUEPRINT 6153 {DLF,HYF,IEF,MSUDF,MDF} (P43764491)

**THM 4B BLUE MILES 0076 ET {DLF,HYF,IEF,MSUDF} (P44085681)**  
 ILR LADY SMILES 5109 ET {DLF,HYF,IEF} (43610857)

KCF BENNETT REVOLUTION X51 {CHB,SOD,DLF,HYF,IEF,MDF} (P43081556)

**4B X51 MO65 REVOLUTION 817F {HYP} (P43987092)**  
 WILL-VIA MS VICTORIA T-106 {HYP} (P43243780)

	CED	BW	WW	YW	MILK	M&G	CEM	MCW	US	TS	SC
EPD	-2.8	5.4	63	95	18	49	-.07	104	1.3	1.3	1.2
% Rank	91%	92%	18%	30%	89%	68%	79%	85%	32%	36%	25%
	DMI	FERT.	CW	FAT	REA	MAR	BMI	BII	CHB		
EPD	.20	13.3	69	-.023	0.49	0.07	\$311	\$385	\$114		
% Rank	52%	78%	46%	5%	31%	58%	72%	65%	46%		

**38 4B 0076 BLUEPRINT J41** HEREFORD  
 Reg. No. 44313140 **Tattoo** J41 **DOB** 10/23/2021 **PB**  
**Consignor** Four B Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	70	745	2.4	1075	49.00	1050	37	1	3.1	13.6	.23
Ratio/FS	100	106	99	105	5.0				99	108	96

BOYD 31Z BLUEPRINT 6153 {DLF,HYF,IEF,MSUDF,MDF} (P43764491)

**THM 4B BLUE MILES 0076 ET {DLF,HYF,IEF,MSUDF} (P44085681)**  
 ILR LADY SMILES 5109 ET {DLF,HYF,IEF} (43610857)

SHF RIB EYE M326 R117 {CHB,SOD,DLF,HYF,IEF} (P42584003)

**4B R117 Z05 RIBEYE 808F {HYP} (P43987087)**  
 4B Z05 WESTBROOK D604 {HYP} (P43758879)

	CED	BW	WW	YW	MILK	M&G	CEM	MCW	US	TS	SC
EPD	7.6	2.3	58	79	34	63	5.4	41	1.4	1.5	1.5
% Rank	15%	36%	35%	75%	9%	11%	15%	2%	11%	7%	8%
	DMI	FERT.	CW	FAT	REA	MAR	BMI	BII	CHB		
EPD	0.1	18.4	66	-.013	0.54	0.06	\$377	\$448	\$107		
% Rank	39%	19%	59%	11%	21%	62%	25%	28%	55%		

**18 PCFS JAYE BIRD 19J** GELBVEIH/BALANCER  
 Reg. No. 1541082 **Tattoo** 19J **DOB** 09/15/2021  
**Consignor** Parris Cattle Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	68	706	3.4	1150	51.00	1263	38	1	3.16	12.2	.23
Ratio/FS	99	100	115	103	5.5				100	100	100

AMGV1354385 [GGGE 643D] 3G DRACONIAN 643D ET -- AMF DDF NHF OSF

**AMGV1418856 [SOC 801F] JNCC DRACO 801F -- AMF DDF NHF OSF PMELF**  
 AMGV1354522 [GGGE 6102D] 3G COWGIRL DIXIE 6102D -- AMF DDF NHF OSF PMELF

AMGV1291716 [CCRO 4125B] WAR EAGLE

**AMGV1393918 [HMTF 6131D] JAYE BIRD**  
 AMAN17131780 [1131] LAGRANDE LADY JAYE 1131

	CE	BW	WW	YW	MILK	TM	CEM	HP	PG30	STAY
EPD	13	0.0	74	114	18	55	6	2.71	0.17	18
% Rank	45%	60%	35%	70%	35%	55%	65%	80%	65%	10%
	DOC	SC	YG	CW	CREA	MARB	CFAT	\$COW	FPI	
EPD	12	.58	-0.15	35	0.69	0.08	-0.01		75.46	
% Rank	50%	50%	15%	50%	10%	>95%	30%		80%	

**13 KEZIAH B MAGIC JE14** SIMANGUS  
 Reg. No. 4050921 **Tattoo** JE14 **DOB** 10/14/2021  
**Consignor** Keziah Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	79	560	3.6	1098	53.00	1155	35	1	3.19	12.1	.18
Ratio/FS	99	99	122	98	6.9				100	100	100

BYERGO BLACK MAGIC 3348

**BCIV BLACK MAGIC 9049**  
 BCIV BLACKCAP OF 771

BLACK IRISH KANSAS

**BCIV VADEN'S LASS A78**  
 YON BURGESS X143

	CE	BW	WW	YW	ADG	MCE	MILK	MWW	STAY	DOC	
EPD	14.6	-1.9	67.2	107	.25	8.4	21.2	54.7	13.5	12.0	
% Rank	25%	15%	85%	75%	60%	25%	65%	80%	70%	55%	
	CWT	YG	MARB	B FAT	REA	SHR	API	TI			
EPD	42	-0.01	0.22	-0.013	.35		118.7	69.7			
% Rank	20%	99%	70%	85%	95%		75%	85%			

**23 SFS BROAD RANGE J34** SIMMENTAL  
 Reg. No. 4041517 **Tattoo** SFJ34 **DOB** 09/22/2021  
**Consignor** Shuffler Farms

INDIVIDUAL PERFORMANCE											
	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	82	770	3.0	1236	52.5	1330	45	1	1.96	15.7	.16
Ratio/FS	101	106	100	111	6.3				71	109	94

CCR WIDE RANGE 9005A

**GIBBS 7382E BROAD RANGE**  
 SSF BLK LOUISE Y534

GIBBS 0601X RAISINCAIN

**SFS ANNE D26**  
 SFS ANNE X34

	CE	BW	WW	YW	ADG	MCE	MILK	MWW	STAY	DOC	
EPD	11.3	.09	96.7	154.5	.36	7.3	20.7	69	15.7	15.3	
% Rank	45%	35%	4%	3%	3%	25%	65%	20%	65%	25%	
	CWT	YG	MARB	B FAT	REA	SHR	API	TI			
EPD	47.7	-0.45	0.13	-0.065	1.40	-0.35	140.9	91			
% Rank	5%	30%	50%	85%	1%	45%	30%	10%			



24

**SFS TRUE JUSTICE J37**

SIMMENTAL

Reg. No. 4041521 Tattoo SFJ37 DOB 09/28/2021

Consignor Shuffler Farms

**INDIVIDUAL PERFORMANCE**

	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	84	687	3.1	1134	51.50	1255	35	1	2.67	14.5	.17
Ratio/FS	104	95	105	102	5.9				96	100	100

BDV TRUE GRIT 11X

**BBS TRUE JUSTICE B10**

BBS MISS JUSTICE Z7

TNT DUAL FOCUS T249

**ROCKIE**

BV ALMOST HEAVEN

	CE	BW	WW	YW	ADG	MCE	MILK	MWW	STAY	DOC
EPD	11.1	.05	74.3	110.6	.23	7.8	26.5	63.6	16.9	13.7
% Rank	50%	30%	65%	60%	60%	20%	30%	45%	65%	25%
	CWT	YG	MARB	B FAT	REA	SHR	API	TI		
EPD	10.7	-0.41	0.14	-0.078	.68	-0.40	133.2	77.8		
% Rank	99%	60%	45%	85%	95%	20%	50%	50%		

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**SFS ASSERTIVE XJ35**

SIMANGUS

Reg. No. 4041516 Tattoo XJ35 DOB 09/25/2021

Consignor Shuffler Farms

**INDIVIDUAL PERFORMANCE**

	BW	WW	ADG	YW	YH	END WT	SC	T. DOC	U%IMF	URE	UFAT
Perf	84	783	2.6	1156	51.00	1158	40	1	3.61	13.5	.24
Ratio/FS	91	105	87	104	5.6				100	100	100

K C F BENNETT ABSOLUTE

**K C F BENNETT ASSERTIVE**

K C F MISS HOMESTEAD Z98

JBS BIG CASINO 336Y

**SFS ANNE G21**

SFS ANNE X34

	CE	BW	WW	YW	ADG	MCE	MILK	MWW	STAY	DOC
EPD	15.4	-4.2	71.3	113.1	0.26	0.26	20.5	56.1	17.5	13.5
% Rank	15%	3%	70%	60%	55%	10%	75%	75%	30%	35%
	CWT	YG	MARB	B FAT	REA	SHR	API	TI		
EPD	26	-0.10	0.24	-0.022	0.37	-0.22	141.3	78.4		
% Rank	70%	90%	65%	75%	95%	99%	99	50%		



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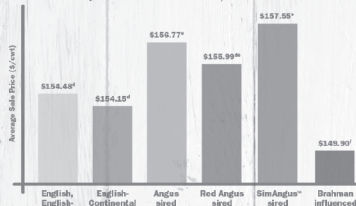
**American Simmental Association**

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Bozeman, MT 59718

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Superior Livestock Auction, Summer 2020\*



SimAngus<sup>SM</sup>-sired steer calves sold through Superior Livestock Auction in summer 2020 earned **more at sale** time than all other calves.\*

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\*For lots of 50 head or more. Kansas State University, December 2020. Superior Livestock Auction data analysis of 3,880 lots, 394,900 head of beef calves marketed during summer 2020. (P < .0001)  
\*Lots that qualified for breed-related programs were excluded from the model due to potential confounding effects with sire breed analysis and, for many, few lots in the data.  
\*Means without a common superscript differ (P < .05). Lots of calves in breed-identified groups were sired by bulls from the respective breeds and not of dams with no Brahman influence.

# 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

### American Gelbvieh Association - EXPECTED PROGENY DIFFERENCES

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

**Birth weight (BW):** Predicts the difference, in pounds, for birth weight of the calf.

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

**Yearling weight (YW):** Predicts the expected difference, in pounds, for yearling weight (adjusted to a standard 365 days of age). This is an indicator of growth from birth to yearling.

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

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

**Heifer pregnancy (HP):** Predicts the probability that a bull's daughters will become pregnant as first-calf heifers in a regular breeding season, expressed as a percent. A higher value of this EPD is favorable, meaning that a higher percentage of a sire's daughters get pregnant as first calf heifers compared to other sires in his contemporary group.

**30-month pregnancy (Pg30):** Predicts the probability that a bull's daughters will become pregnant and calve at three years of age, given that they calve as first-calf heifers. This EPD is expressed as a percent, again, with a higher number being more favorable meaning a higher percentage of a sire's daughters will calve at three years of age, given they calve as first-calf heifers.

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

**Dolichy (DOC):** Is reported as a percentage, with higher numbers indicating a higher percent of offspring receiving a disposition score of 1 (docile).

**Scrotal circumference (SC):** Predicts the difference, in centimeters, of scrotal circumference of an animal's male offspring at yearling compared to the SC of other animals' male offspring.

**Yield grade (YG):** Differences in yield grade score, which is a predictor of percent retail product. Smaller values suggest that progeny will have a better lean to fat ratio.

**Carcass weight (CW):** Differences in pounds of hot carcass weight, adjusted to an industry standard age endpoint.

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

**Marbling (MARB):** Predicts the differences in the degree of marbling within the ribeye as expressed in marbling score units. Greater marbling

numbers are preferable and are an indicator of higher carcass quality grades.

**Fat (CFAT):** Differences for fat thickness, in inches, for a carcass over the 12th rib, smaller numbers of fat thickness are preferable as excess fat can be detrimental to yield grade.

### Indexes

Indexes are tools that allow producers to select for several EPDs at once, making selections more efficient than selecting on one trait at a time. Indexes weight traits based on their importance to a producer's bottom line by using a trait's economic and genetic value. Indexes are a good way to put selection emphasis on traits that are economically relevant.

**Total maternal (TM):** An index that combines growth and milk information as a prediction of the weaning weight performance of calves from a sire's daughters. As an index, this value is not reported with an accompanying accuracy. A greater TM value means a mother that returns comparatively higher weaning weights on her calves.  $TM\ Index = MK\ EPD + \frac{1}{2} WW\ EPD$ .

**\$Cow:** Represents the genetic value in dollars of profit of an animal when retained as a replacement female relative to other animals in the herd. A higher number represents more profitable genetics for maternal productivity. \$Cow will serve producers in selecting bulls that will sire daughters with stayability and reproductive efficiency as well as other traits that lead to profitability in a production system, such as milk, calving ease, moderate mature weight and the ability of calves to gain. A female's genetics also influence the performance of her calves in the feedlot and at slaughter, so traits such as feed efficiency and carcass value are also included in \$Cow.

**Efficiency profit index (EPI):** An economic selection index developed to aid producers in selecting for more feed efficient cattle that still have acceptable amounts of gain. The EPI provides slight negative pressure on intake, while keeping gain at a constant value. By selecting on this index, producers will be able to find those animals that gain the same amount as their contemporaries while eating less.

**FPI (Feeder Profit Index):** An economic selection index designed to aid producers in selecting sires whose progeny will perform in the feedlot and are sold on a grade and yield standpoint. Well ranking sires for FPI have higher marbling and carcass weight than their contemporaries. As a terminal index, little emphasis is put on maternal traits such as stayability and calving ease.

**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 1.5-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.simmental.org](http://www.simmental.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.

**\$ 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.simmental.org](http://www.simmental.org).

**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.



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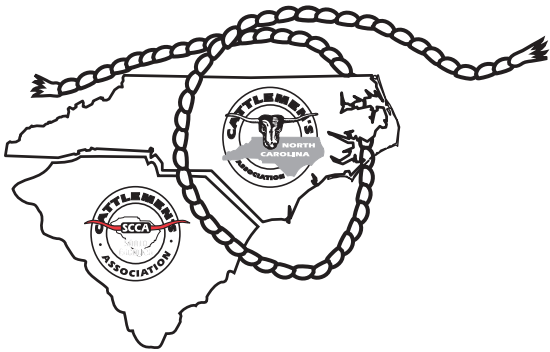
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### North Carolina Cattlemen's Beef Council

2228 N. Main Street • Fuquay-Varina, NC 27526  
(919) 552-9111 • Fax: (919) 552-9216 • e-mail: [ncbeef@nccattle.com](mailto:ncbeef@nccattle.com)



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The Carolina Cattle Connection  
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# **43rd Annual NC BCIP Waynesville Bull Test Sale**

## **Saturday, December 3, 2022**

### **11:00 am**

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**Sale Manager** NC Cattlemen's Association, Mr. Bryan Blinson, Executive Director  
2228 North Main Street, Fuquay-Varina, NC 27526  
Phone: 919-552-9111

**Test Station MGR:** Kyle Miller, 828-456-3943, NCDA Mountain Research Station

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**Sale Day Phone:** 919-422-9108 or 336-504-7268

**Assistance:** You may call Johnny Rogers at 336-504-7268 for more information or to submit an absentee bid.

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Directions to WNC Regional Livestock Center, Canton NC. I-40 East Take exit 33 (Newfound Rd.) At the Stop Sign, turn left on Newfound Rd. Travel 0.2 of a mile take first left on Freedom Drive travel 0.9 mile to stop sign at the bottom of hill make a left on Beaverdam Rd. travel 0.3 mile to Stock Drive is on the right. I-40 West take Exit 33 (Newfound Rd.) At Stop Sign, Continue Straight on to Freedom Drive. Travel 0.9 mile to Stop Sign. Turn Left on to Beaverdam Rd. Travel 0.3 mile to Stock Drive on the Right.