



90th Indiana Beef Evaluation Program
Performance Tested Bull Sale

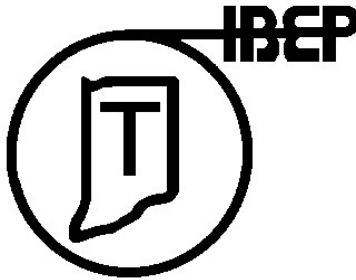
Angus • Hereford • Red Angus • Simmental • SimAngus

In conjunction with:
Springville Feeder Auction
Heifer and Cow Sale

Saturday • October 15, 2022
2 P.M. Eastern
Springville Feeder Auction – Springville, IN

Indiana Beef Evaluation Program
Feldun Purdue Ag. Center
1117 State Rd 458
Bedford, IN 47421
Office: (812) 279-4330

Springville Feeder Auction
10 miles northwest of Bedford, IN
4426 State Road 54 W.
Springville, IN 47462
812-279-1282



On behalf of the Indiana Beef Evaluation Program and the bull cooperators of the 2022 Summer Performance Test, we invite you to the 90th Indiana Beef Evaluation Program (IBEP) Performance Tested Bull Sale on Saturday, October 15, 2022.

The IBEP appreciates the opportunity to work with seedstock producers on developing, performance testing and evaluating the genetic potential of their prospect herd sires. Furthermore, the IBEP strives to be a resource for commercial beef producers to select genetics that will help them achieve their operational objectives.

During the past 46 years, 12,463 bulls and 1,374 get-of-sire groups have been performance tested by IBEP. While most bulls have come from Indiana breeders, cooperators from the four states bordering Indiana and from as far away as Texas, Montana, Kansas, Maryland, Alabama, Minnesota, and Canada have tested or are now testing bulls at IBEP.

In 89 sales, 6,341 bulls have sold to buyers in 22 states. Of these bulls, ninety percent have been purchased by Indiana producers, 8% by producers in bordering states, and the remainder by producers from sixteen other states.

Of 62 bulls tested in the 2022 Summer Test, the 32 bulls in this offering represent the top performance indexing bulls of their breed that have also passed a rigorous evaluation for disposition and structural and breeding soundness. In addition, cooperators have invested in genomically enhanced EPDs and parent verification to both the sire and dam on ALL bulls in this offering.

The IBEP and its cooperators strive to be a leader in providing all necessary information needed for its customers to select and invest in their next herd sire.

Thank you to the 19 cooperators who consigned bulls to the 2022 Summer Test and elected to offer their genetics in the 90th IBEP Performance Tested Bull Sale.

We believe the information gathered and provided on these bulls; sound selection decisions can be made to continue to advance your herd genetics and improve the value and profitability of your herd.

We look forward to seeing you on October 15th in Springville.

Sincerely,

IBEP Board of Directors

SALE SCHEDULE

(All times are on eastern time)

- 11:00 AM - Bulls ready for viewing at Springville Feeder Auction Market
- 11:30 AM - Buyer Registration Opens
- 2:00 PM - Springville Feeder Auction (SVFA) Heifer and Cow Sale begins
- Award ceremony for the IBEP 2022 Summer Performance Test ... Follows the conclusion of the SVFA Heifer and Cow Sale
- *90th IBEP Bull Sale ... Follows the award ceremony

SALE DAY PHONE NUMBERS

Springville Feeder Auction ... 812-279-1282
Nick Minton 812-797-7944

AUCTIONEER

Mike Berger 574-850-5605

SALE LOCATION

Springville Feeder Auction Market
10 miles Northwest of Bedford, IN
4426 State Road 54 W
Springville, IN 47462

BULL VIEWING

Bulls may be viewed at any time at the IBEP Test Station up until Sale Day on October 15. On sale day, bulls will be available for viewing after 11 AM at the Springville Feeder Auction Market.

BIDDING

All bulls will be sold to the highest bidder. The auctioneer will settle all disputes as to bids, and his decision will be final.

BIDDING OPTIONS

- Attend in person
- Bid on CattleUSA.com
- Absentee bid *

*For absentee bids, contact Nick Minton at 812-279-4330 or 812-797-7944 prior to October 15, 2022.

Please note, cell phone service is limited at the Springville Feeder Auction Association facility.

TERMS

Terms are cash. Checks should be made payable to **Indiana Beef Evaluation Program** or **IBEP**. All bulls must be paid for at the sale and before loading. All bulls are seller's risk until sold and buyer's risk as soon as sold. Announcements made from the auction block will take precedence over the printed material in this catalog.

MINIMUM BID

Each bull will be sold at a minimum of \$2,500. The IBEP board reserves the right to adjust the minimum bid based on changes in market prices between the time of printing of this catalog and the sale. Those bulls not receiving the minimum bid will remain the property of

the consignor and may not be sold on the sale premises at private treaty.

LIABILITY

All persons attending the sale or viewing bulls at the Indiana Beef Evaluation Program Test Station do so at their own risk. Neither the Indiana Beef Evaluation Program, Purdue University, Springville Feeder Auction Market, nor any person connected with the sale will assume any liability, legal or otherwise in case of accidents.

INSURANCE

Is the responsibility of the buyer immediately after purchase.

REGISTRATION AND TRANSFER

Certificates of registry will be transferred to the buyer by the seller within a reasonable time period after the sale at the seller's expense.

HEALTH

All bulls met the health requirements established by the IBEP veterinarians prior to arriving at the test station. All dams (gestating) of bulls tested negative for Johnes between the time the bull was born and his arrival to the IBEP Test Station. Between two months and three weeks prior to delivery to the IBEP Test Station, bulls were vaccinated against: Leptospirosis, IBR, BVD, PI3, BRSV, haemophilus somnus, Pasteurella, and clostridial organisms (7-way vaccine for black leg, malignant edema, overeating disease, etc.). All bulls were tested at delivery for persistent BVD and were confirmed negative. All bulls tested negative to tuberculosis and brucellosis tests within 30 days of the sale. Official Certificates of Veterinary Inspection will be furnished to out of state buyers prior to loading.

BREEDING GUARANTEE

All bulls passed a breeding soundness exam, including a physical exam, semen evaluation and scrotal circumference on September 22, 2022 and were classified as satisfactory potential breeders. Any guarantee or terms and conditions endorsed by respective breed associations is between buyer and seller (IBEP cooperator). Neither the Indiana Beef Evaluation Program, Purdue University, nor other persons associated with the sale will assume any liability, legal or otherwise, except to assist, if possible, to make adjustments.

SOUNDNESS

All bulls passed a committee assessment for structural soundness.

LOADING

Bulls will be loaded out following the conclusion of the sale and after payment has been made. If not convenient for buyer to remove his bull(s) the day of the sale, bulls will be cared for until 12:00 pm (noon) on Monday October 17, 2022 but at the buyer's risk of injury or loss. If bulls are transported back to the IBEP Test Station post sale, there is no guarantee bulls will not be comingled with other bulls. Bull MUST be picked up by 12:00 (noon) on Monday October 17, 2022.

TRUCKING

Contact the IBEP Test Station several days before the sale if you will need assistance with transporting your purchase. This will allow sufficient time to coordinate with cooperators to help haul bulls or coordinate with the individual(s) listed below.

Lee Phillips 812-278-4533 (southern IN)

Andy Hubenthal 574-727-1580 (northern IN)

* SALE ORDER*

Each bull is given a within-breed percentile group ranking (in **s "stars") for many traits, including performance during the test, EPD's and \$ Indexes. These are in 10% groups, so a bull can get 1 to 10 **s for each trait.

Sale Index – is a weighted sum of the number of **s for six of these traits. Traits included are: 30% ADG, 20% WPDA, 7.5% IMF, 7.5% REA/cwt, 20% Calving Ease Direct EPD, and 15% Weaning Weight EPD. The maximum Sale Index for a bull is 100.0. The Sale Index determines Sale Order with the bull having the highest Sale Index selling first and descending in order of Sale Index from there. Ties in Sale Index are decided by On-Test Performance Index.

VIEWING AND BIDDING ON CattleUSA.com



The 90th IBEP Bull Sale will be broadcast LIVE ON CattleUSA.com (<https://www.cattleusa.com/>). If you are a first-time user or bidder on CattleUSA.com, a user name and password must be established prior to viewing a sale or placing a bid.

On the CattleUSA.com homepage, under the tab titled **Help Center** click on *Frequently Asked Questions* and

you'll find several *How To Videos*. Videos explain how to establish an account, request bidder approval and place bids. We suggest watching the following *How To Videos* on the CattleUSA.com website prior to Sale Day:

- ***CattleUSA Demonstration Video*** explains how to establish a viewer account.
- ***How to get approved to bid?*** explains how to become an approved bidder on CattleUSA.com.
- ***How To Bid Video*** explains how to place a bid on CattleUSA.com.

If you experience difficulties in receiving bidder approval, please contact Nick Minton at 812-279-4330 or 812-797-7944 and Jerry Rusch at 812-279-1282.

You MUST register with CattleUSA.com to view or bid by **Friday, October 14, 2022**.

Note: You must have high speed internet access (DSL, T-1, or Broadband) to be able to bid during the sale.

- *CattleUSA.com does not take any form of payment, and IBEP cannot accept credit or debit cards.*

You need to bring a check when you pick up the bull.

- Arrangements for payment can be made by contacting IBEP at 812-279-4330 or 812-797-7944 prior to the sale.

ACKNOWLEDGEMENTS

Brad Shelton, Roger Bartlett, Sam Perry, Jr. and Aaron Keiser of the Feldun Purdue Agriculture Center for their dedication to always having proper bull care and well-being as a top priority, in addition to long days harvesting forages at their optimum time point and attention to detail in facility maintenance. Bonnie Bradford with Premiere Ultrasound for always making ultrasound day(s) fun and efficient. Brooklyn Graham for sharing her expertise in videoing livestock in their true essence. Greg Beavers, Chad Burcham, Brian Rosenbaum, Phil Dow and Danielle Walker for being regular volunteers at work days. To Superior Ag – Feed Mill Division, for always providing consistent feedstuffs in a timely fashion. All the volunteers who have helped at various weigh days over the course of the summer test.

Indiana Beef Evaluation Program - 2022 Summer Test

Listing of Sale Bulls - Performance

Ear Tag	P Breed	Pct	C H L	S O	P C	Bull Reg. No.	Bull's Sire	Birth		Off Test		U-sound adj to 365-d		Rank in Breed				Perf Index	
								M/D	Wt	Wt	ADG	REA	Rib Fat	Fat	Fat	ADG	WPDA		SC
1	4	ANGUS	PB	P	BLK	20304256	Deer Valley Growth Fund	09/14	75	1175	3.49	11	0.2	3.0	8*	8*	2*	8*	107.1
2	4	ANGUS	PB	P	BLK	20304255	Deer Valley Growth Fund	09/25	82	1248	3.18	12	0.2	2.6	5*	10*	3*	4*	105.2
7	5	ANGUS	PB	P	BLK	20307279	Underwood Niagara 915	08/30		1260	3.57	12	0.2	2.1	9*	9*	2*	2*	109.9
11	6	ANGUS	PB	P	BLK	20130083	FHCC Energize 8562	07/17	83	1213	3.54	12	0.2	3.3	8*	2*	6*	10*	103.5
12	6	ANGUS	PB	P	BLK	20130079	FHCC Energize 8562	07/17	82	1315	3.93	12	0.1	2.2	10*	6*	6*	2*	113.9
14	6	ANGUS	PB	P	BLK	20130078	FHCC Energize 8562	07/08	83	1278	3.57	12	0.1	3	9*	4*	7*	8*	105.2
15	5	ANGUS	PB	P	BLK	20130097	Sydgén Enhance	08/15	86	1210	3.34	12	0.2	2.7	6*	5*	7*	5*	102.4
16	5	ANGUS	PB	P	BLK	20130093	Sydgén Enhance	08/11	74	1245	3.78	11	0.2	2.2	10*	7*	1*	2*	111.4
17	5	ANGUS	PB	P	BLK	20130094	Linz Master Plan 9219	08/12	76	1168	3.48	11	0.1	2.8	7*	3*	3*	5*	103.3
36	4	ANGUS	PB	P	BLK	20296922	FF Rito Relevant 8B63	08/23	84	1210	3.22	12	0.2	2.9	5*	7*	4*	9*	100.8
37	4	ANGUS	PB	P	BLK	20296913	Comnealy Blackhawk 6198	08/21	88	1325	3.04	13	0.4	3.2	4*	9*	3*	9*	101.1
39	4	ANGUS	PB	P	BLK	20296925	Sitz Stellar 726D	09/07	89	1160	3.39	11	0.2	2.9	7*	7*	5*	7*	104.0
41	4	ANGUS	PB	P	BLK	20296924	A R Russell 7098	09/17	75	1150	3.38	13	0.2	2.6	6*	7*	1*	9*	104.5
42	4	ANGUS	PB	P	BLK	20296918	FF Rito Relevant 8B63	09/09	90	1245	3.25	14	0.2	2.5	5*	9*	10*	4*	104.5
43	4	ANGUS	PB	P	BLK	20296921	Ruggles Charisma 0643	09/01	85	1348	3.64	13	0.2	1.9	9*	10*	10*	1*	114.5
44	4	ANGUS	PB	P	BLK	20296926	Comnealy Blackhawk 6198	09/02	83	1320	3.49	12	0.2	2.6	8*	10*	9*	7*	110.8
45	4	ANGUS	PB	P	BLK	20296923	Comnealy Blackhawk 6198	09/04	82	1230	3.45	12	0.2	2.8	7*	8*	4*	6*	107.2
58	3	ANGUS	PB	P	BLK	20324764	Magnitude of CC&7 59G	07/12	76	1278	3.99	11	0.1	3.1	10*	4*	1*	2*	113.6
23	3	HERF	PB	P	RWF	44284713	NJW 11B 6589 AUTHORITY 57G	08/18	70	1203	2.93	12	0.2	2.6	3*	3*	5*	7*	98.6
25	3	HERF	PB	P	RWF	44284714	NJW 11B 6589 AUTHORITY 57G	09/02	74	1280	3.11	11	0.2	3.4	10*	10*	1*	10*	106.5
28	3	HERF	PB	P	RWF	44284706	NJW 133A 6589 MANIFEST 87G	09/15	94	1200	2.94	12	0.2	2.7	4*	9*	7*	8*	101.8
60	3	HERF	PB	P	RWF	44281993	BOYD 31Z BLUEPRINT 6153	09/05	89	1225	3.05	12	0.2	1.8	9*	8*	3*	3*	103.6
61	6	HERF	PB	P	RWF	44281991	NJW 73S M326 TRUST 100W ET	05/28	85	1510	2.76	14	0.2	1.8	1*	7*	7*	10*	96.8
62	3	HERF	PB	P	RWF	44326120	BOYD 31Z BLUEPRINT 6153	09/30	98	1110	2.80	12	0.1	1.8	2*	5*	9*	8*	97.3
55	3	R ANGUS	PB	P	RD	4583069	WCCF FRANCHISE 932G	06/05	72	1200	3.63	10	0.1	2.3	10*	1*	2*	5*	102.9
20	6	SIM-AN	PCT	P	BWF	4073416	WBF IRON CLAD E053	07/29	78	1405	4.16	12	0.2	2.1	10*	10*	9*	4*	123.8
32	2	SIM-AN	PCT	P	BLK	4022405	LEACHMAN LA CERTAINTY G06	09/03	75	1113	3.23	12	0.2	1.9	6*	5*	4*	5*	100.2
46	2	SIM-AN	PCT	P	BLK	4004807	MR SR HIGHLIFE G1609	09/14	88	1193	3.23	11	0.2	2.3	6*	9*	6*	1*	104.3
50	5	SIM-AN	PCT	P	BLK	3956090	TJ FRANCHISE 451D	08/30	83	1195	2.90	13	0.2	1.9	3*	6*	10*	6*	96.4
51	2	SIM-AN	PCT	P	BLK	3956101	TJ MAIN EVENT 503B	09/10	68	1203	3.33	13	0.2	2.1	8*	9*	6*	9*	106.0
54	2	SIM-AN	PCT	P	BLK	4021004	CLRS Dividend 405D	09/03	97	1280	3.29	13	0.1	2.3	7*	10*	7*	6*	107.1
3	2	SIMTAL	PB	P	BLK	4040097	LCDR FAVOR 149F	09/10	98	1190	2.91	13	0.2	1.7	3*	8*	9*	9*	97.6

Pol/Scu/Hor: P = Polled; S = Scurred; H = Dehorned

Color: BLK = Black; BWF = Black-White Face; RED = Red; RWF = Red-White Face; WHT = White; GRY = Gray; BRN = Brown; SMK = Smoke

%Ret. Prod. = % Retail Product; % IM Fat = % Intramuscular Fat

Bulls' ranking is in 10% groups: *10* is the top 1-10%, *9* is 11-20%, and so on; *2* is 81-90%, *1* is 91-100% (bottom 10%).

For ADG, WPDA, SC, %Ret. Prod., and %IM Fat, bulls in this test are ranked within breed; for breeds with fewer than six bulls, ranking is based on all bulls in the test.

%IMF: 2.0 to 3.0 = Select-; 3.1 to 3.9 = Select +; 4.0 to 5.5 = Choice -; 5.6 to 6.9 = Choice; 7.0 to 8.5 = Choice +; 8.6 to 9.9 = Prime -; 10.0+ = Prime (CUP Lab, 2017)

EAR TAG	PAGE NUMBER	BREED	PERFORMANCE INDEX	Price
1	6	Angus	107.1	\$
2	13	Angus	105.2	\$
7	10	Angus	109.9	\$
11	14	Angus	103.5	\$
12	12	Angus	113.9	\$
14	14	Angus	105.2	\$
15	13	Angus	102.4	\$
16	8	Angus	111.4	\$
17	11	Angus	103.3	\$
36	15	Angus	100.8	\$
37	11	Angus	101.1	\$
39	10	Angus	104	\$
41	10	Angus	104.5	\$
42	13	Angus	104.5	\$
43	7	Angus	114.5	\$
44	9	Angus	110.8	\$
45	8	Angus	107.2	\$
58	6	Angus	113.6	\$
23	14	Hereford	98.6	\$
25	6	Hereford	106.5	\$
28	12	Hereford	101.8	\$
60	9	Hereford	103.6	\$
61	16	Hereford	96.8	\$
62	16	Hereford	97.3	\$
55	11	Red Angus	102.9	\$
20	7	SimAngus	123.8	\$
32	12	SimAngus	100.2	\$
46	8	SimAngus	104.3	\$
50	15	SimAngus	96.4	\$
51	7	SimAngus	106	\$
54	9	SimAngus	107.1	\$
3	15	Simmental	97.6	\$

Owner: Greives Herefords

Tag No.: **25** HERF (PB) Polled Red-WF
 Tattoo: 148J Born: 09/02/21 (S) Pen 3
 Name: GG 57G AUTHORITY 148J Reg. No. 44284714
 Sire: NJW 11B 6589 AUTHORITY 57G Heterozygous polled
 Dam's Sire: CHURCHILL NIGHTCAP 7256E Verified to Sire and Dam



Birth Weight	74	Performance Index				Adj. REA	11.2			
Birth CE	UN	On Test Wt.	891	106.5		Adj. REA/cwt	0.89			
Dam Age	2	End Test Wt.	1280			Adj. Rib Fat	0.19			
205-d Adj. Wt.	802	ADG	3.11 (106)	Foot Angle	5	Adj. % IM Fat	3.41	(146)		
205-d PCT	116	WPDA	3.35 (108)	Claw Set	4	% Retail Product	65.0	(97)		
205-d NO	6	Frame Score	5.4	Adj. 365-Day SC	30	Carcass Merit	121.9			
Genomic EPDs & Acc:	Birth Wt 0.7 (.46) *9*	Wean Wt 73.0 (.39) *10*	Year Wt 118.0 (.39) *10*	Mat Milk 31.0 (.20) *9*	Direct CE 10.4 (.35) *10*	Mat CE 5.7 (.17) *9*	\$ Indexes:	BMI\$ 424.0 *10*	BII\$ 536.0 *10*	CHB\$ 151.0 *10*
	Carcass Wt 86.0 (.18) *10*	Marbling 0.40 (.19) *10*	Ribeye Area 0.42 (.19) *6*	Fat 0.067 (.23) *1*						

Owner: Underwood Angus Farms / Neil

Tag No.: **58** ANGUS (PB) Polled Black
 Tattoo: 155 Born: 07/12/21 (S) Pen 3
 Name: UAF Magnitude 155 Reg. No. 20324764
 Sire: Magnitude of CC&7 59G
 Dam's Sire: Plattermere Weigh Up K360 Verified to Sire and Dam



Birth Weight	76	Performance Index				Adj. REA	10.9				
Birth CE	UN	On Test Wt.	779	113.6		Adj. REA/cwt	0.91				
Dam Age	3	End Test Wt.	1278			Adj. Rib Fat	0.14				
205-d Adj. Wt.	627	ADG	3.99 (125)	Foot Angle	5	Adj. % IM Fat	3.09	(114)			
205-d PCT	111	WPDA	2.94 (96)	Claw Set	5	% Retail Product	65.6	(98)			
205-d NO	2	Frame Score	4.5	Adj. 365-Day SC	32	Carcass Merit	106.1				
Genomic EPDs & Acc:	Birth Wt 3.2 (.5) *2*	Wean Wt 85.0 (.42) *10*	Year Wt 159.0 (.34) *10*	Mat Milk 28.0 (.28) *7*	Direct CE 10.0 (.31) *9*	Mat CE 9.0 (.26) *6*	\$ Indexes:	\$M 49.0 *2*	\$W 71.0 *9*	\$F 133.0 *10*	
	Docility 19.0 (.31) *6*	Carcass Wt 76.0 (.38) *10*	Marbling 0.71 (.33) *7*	Ribeye Area 0.90 (.33) *9*	Fat -0.002 (.29) *8*						
						\$G 61.0 *8*		\$B 193.0 *10*	\$C 299.0 *10*		

Owner: Jay Alcorn

Tag No.: **1** ANGUS (PB) Polled Black
 Tattoo: 177 Born: 09/14/21 (S) Pen 4
 Name: Alcorn Growth Fund 177 Reg. No. 20304256
 Sire: Deer Valley Growth Fund
 Dam's Sire: Connealy Legendary 644L Verified to Sire and Dam



Birth Weight	75	Performance Index				Adj. REA	11.3				
Birth CE	UN	On Test Wt.	739	107.1		Adj. REA/cwt	0.92				
Dam Age	3	End Test Wt.	1175			Adj. Rib Fat	0.18				
205-d Adj. Wt.	682	ADG	3.49 (109)	Foot Angle	5	Adj. % IM Fat	3.04	(112)			
205-d PCT	94	WPDA	3.18 (104)	Claw Set	6	% Retail Product	65.5	(98)			
205-d NO	2	Frame Score	5.0	Adj. 365-Day SC	35	Carcass Merit	105.1				
Genomic EPDs & Acc:	Birth Wt -0.4 (.52) *9*	Wean Wt 85.0 (.44) *10*	Year Wt 150.0 (.38) *10*	Mat Milk 29.0 (.31) *8*	Direct CE 9.0 (.35) *8*	Mat CE 11.0 (.30) *8*	\$ Indexes:	\$M 51.0 *2*	\$W 81.0 *10*	\$F 128.0 *10*	
	Docility 17.0 (.36) *5*	Carcass Wt 79.0 (.41) *10*	Marbling 0.56 (.37) *5*	Ribeye Area 0.99 (.37) *10*	Fat -0.019 (.34) *9*						
						\$G 56.0 *7*		\$B 184.0 *10*	\$C 290.0 *10*		

Owner: Halls Angus

Tag No.: **43** ANGUS (PB) Polled Black
 Tattoo: H548 Born: 09/01/21 (S) Pen 4
 Name: Hall's Charisma H548 Reg. No. 20296921
 Sire: Ruggles Charisma 0643
 Dam's Sire: K C F Bennett Southside



Verified to Sire and Dam

Birth Weight	85	Performance Index				Adj. REA	13			
Birth CE	UN	On Test Wt.	893	114.5		Adj. REA/cwt	1.13			
Dam Age	6	End Test Wt.	1348			Adj. Rib Fat	0.21			
205-d Adj. Wt.	633	ADG	3.64 (114)	Foot Angle	5	Adj. % IM Fat	1.86	(68)		
205-d PCT	103	WPDA	3.52 (115)	Claw Set	5	% Retail Product	67.9	(102)		
205-d NO	14	Frame Score	6.0	Adj. 365-Day SC	40	Carcass Merit	85.2			
Genomic EPDs & Acc:	Birth Wt 3.3(.54) *2*	Wean Wt 79.0(.46) *10*	Year Wt 136.0(.37) *9*	Mat Milk 22.0(.29) *3*	Direct CE 5.0(.34) *4*	Mat CE 6.0(.27) *3*	\$ Indexes: \$M 71.0 \$8*	\$W 63.0 *7*	\$F 102.0 *9*	
	Docility 30.0(.31) *10*	Carcass Wt 60.0(.4) *9*	Marbling 0.40(.36) *3*	Ribeye Area 0.93(.36) *10*	Fat 0.010(.33) *6*		\$G 46.0 *5*	\$B 147.0 *7*	\$C 262.0 *8*	

Owner: Saxe Farm

Tag No.: **51** SIM-AN (1/2SM 1/2AN) Polled Black
 Tattoo: J130 Born: 09/10/21 (TW) Pen 2
 Name: SF MAIN XAVIER J130 Reg. No. 3956101
 Sire: TJ MAIN EVENT 503B
 Dam's Sire: HOOKS XAVIER 14X



Verified to Sire and Dam

Birth Weight	68	Performance Index				Adj. REA	13.3			
Birth CE	UN	On Test Wt.	787	106.0		Adj. REA/cwt	1.18			
Dam Age	3	End Test Wt.	1203			Adj. Rib Fat	0.15			
205-d Adj. Wt.	614	ADG	3.33 (105)	Foot Angle	5	Adj. % IM Fat	2.12	(99)		
205-d PCT	100	WPDA	3.22 (107)	Claw Set	6	% Retail Product	69.0	(102)		
205-d NO	1	Frame Score	5.0	Adj. 365-Day SC	35	Carcass Merit	100.5			
Genomic EPDs & PC:	Birth Wt 1.0(±1.68) *4*	Wean Wt 92.4(±9.29) *10*	Year Wt 142.1(±14.4) *10*	Mat Milk 25.6(±9.4) *8*	Direct CE 10.2(±4.6) *3*	Mat CE 4.1(±5.8) *2*	\$ Indexes: API 122.90 *4*	TI 84.20 *8*		
	Docility 14.8(±2.9) *9*	Carcass Wt 33.8(±11.) *6*	Marbling 0.16(±.16) *3*	Ribeye Area 0.94(±.25) *10*	Fat -0.067(±.02) *8*	Yield Grade -0.37(±0.1) *9*				

Owner: Neal Brothers Simmentals

Tag No.: **20** SIM-AN (3/8 SM 1/2 AN 1/8 CS) Polled Black-WF
 Tattoo: 82J Born: 07/29/21 (S) Pen 6
 Name: NB IRON HOOVER 82J Reg. No. 4073416
 Sire: WBF IRON CLAD E053 Homozygous polled
 Dam's Sire: HOOVER DAM



Verified to Sire and Dam

Birth Weight	78	Performance Index				Adj. REA	12.4			
Birth CE	UN	On Test Wt.	885	123.8		Adj. REA/cwt	0.99			
Dam Age	6	End Test Wt.	1405			Adj. Rib Fat	0.17			
205-d Adj. Wt.	624	ADG	4.16 (132)	Foot Angle	5	Adj. % IM Fat	2.05	(96)		
205-d PCT	100	WPDA	3.37 (112)	Claw Set	5	% Retail Product	66.7	(99)		
205-d NO	1	Frame Score	6.1	Adj. 365-Day SC	38	Carcass Merit	97.1			
Genomic EPDs & PC:	Birth Wt 2.4(±1.62) *2*	Wean Wt 78.4(±9.29) *7*	Year Wt 133.0(±14.9) *9*	Mat Milk 26.8(±10.4) *9*	Direct CE 10.8(±4.6) *4*	Mat CE 5.2(±6.3) *3*	\$ Indexes: API 114.60 *3*	TI 69.80 *2*		
	Docility 19.3(±3.1) *10*	Carcass Wt 54.4(±11.) *10*	Marbling 0.11(±0.1) *2*	Ribeye Area 0.46(±0.2) *2*	Fat -0.033(±0.0) *4*	Yield Grade -0.04(±0.1) *1*				

Owner: TJ Simmentals

Tag No.: **46** SIM-AN (3/4SM 1/4AN) Polled Black
 Tattoo: J133 Born: 09/14/21 (S) Pen 2
 Name: TJCC HIGH EASY J133 Reg. No. 4004807
 Sire: MR SR HIGHLIFE G1609
 Dam's Sire: GCCR EASY ANSWER Y108 *Verified to Sire and Dam*



Birth Weight	88	Performance Index				Adj. REA	11.2
Birth CE	UN	On Test Wt.	789	104.3		Adj. REA/cwt	0.94
Dam Age	6	End Test Wt.	1193			Adj. Rib Fat	0.19
205-d Adj. Wt.	677	ADG	3.23 (102)	Foot Angle	4	Adj. % IM Fat	2.34 (109)
205-d PCT	101	WPDA	3.22 (107)	Claw Set	5	% Retail Product	65.5 (97)
205-d NO	2	Frame Score	5.0	Adj. 365-Day SC	35	Carcass Merit	103.0

Genomic EPDs & PC:	Birth Wt 2.4(±1.62) *2*	Wean Wt 95.1(±9.13) *10*	Year Wt 144.7(±14.7) *10*	Mat Milk 25.7(±10.5) *8*	Direct CE 14.4(±4.5) *8*	Mat CE 7.8(±6.3) *8*	\$ Indexes:	API 144.70	TI 90.10
	Dolcility 9.0(±3) *2*	Carcass Wt 49.2(±11.) *10*	Marbling 0.37(±0.1) *7*	Ribeye Area 0.97(±.27) *10*	Fat -0.110(±.02) *10*	Yield Grade -0.42(±0.1) *10*			

Owner: Small Cattle Farms

Tag No.: **16** ANGUS (PB) Polled Black
 Tattoo: 2119 Born: 08/11/21 (S) Pen 5
 Name: SCF Enhance 2119 Reg. No. 20130093
 Sire: Sydgen Enhance
 Dam's Sire: G A R Radiance *Verified to Sire and Dam*



Birth Weight	74	Performance Index				Adj. REA	10.6
Birth CE	UN	On Test Wt.	772	111.4		Adj. REA/cwt	0.88
Dam Age	4	End Test Wt.	1245			Adj. Rib Fat	0.2
205-d Adj. Wt.	639	ADG	3.78 (119)	Foot Angle	6	Adj. % IM Fat	2.24 (82)
205-d PCT	100	WPDA	3.08 (101)	Claw Set	5	% Retail Product	64.6 (97)
205-d NO	2	Frame Score	5.3	Adj. 365-Day SC	35	Carcass Merit	89.7

Genomic EPDs & Acc:	Birth Wt 2.8(.51) *2*	Wean Wt 78.0(.44) *10*	Year Wt 144.0(.39) *10*	Mat Milk 30.0(.34) *8*	Direct CE 7.0(.35) *6*	Mat CE 12.0(.33) *9*	\$ Indexes:	\$M 60.0 *5*	\$W 69.0 *9*	\$F 102.0 *9*
	Dolcility 33.0(.37) *10*	Carcass Wt 59.0(.42) *8*	Marbling 1.47(.39) *10*	Ribeye Area 0.56(.38) *5*	Fat 0.019(.35) *5*			\$G 90.0 *10*	\$B 192.0 *10*	\$C 309.0 *10*

Owner: Halls Angus

Tag No.: **45** ANGUS (PB) Polled Black
 Tattoo: H551 Born: 09/04/21 (S) Pen 4
 Name: Hall's BlackHawk H551 Reg. No. 20296923
 Sire: Connealy Blackhawk 6198
 Dam's Sire: SydGen Black Pearl 2006 *Verified to Sire and Dam*



Birth Weight	82	Performance Index				Adj. REA	11.6
Birth CE	UN	On Test Wt.	799	107.2		Adj. REA/cwt	0.95
Dam Age	5	End Test Wt.	1230			Adj. Rib Fat	0.17
205-d Adj. Wt.	643	ADG	3.45 (108)	Foot Angle	5	Adj. % IM Fat	2.77 (102)
205-d PCT	105	WPDA	3.24 (106)	Claw Set	4	% Retail Product	66.0 (99)
205-d NO	14	Frame Score	6.2	Adj. 365-Day SC	35	Carcass Merit	100.5

Genomic EPDs & Acc:	Birth Wt 0.9(.53) *6*	Wean Wt 70.0(.45) *8*	Year Wt 131.0(.36) *9*	Mat Milk 34.0(.32) *10*	Direct CE 9.0(.34) *8*	Mat CE 11.0(.30) *8*	\$ Indexes:	\$M 52.0 *3*	\$W 69.0 *9*	\$F 92.0 *7*
	Dolcility 22.0(.34) *7*	Carcass Wt 52.0(.40) *7*	Marbling 0.76(.36) *7*	Ribeye Area 0.52(.36) *4*	Fat -0.001(.34) *7*			\$G 58.0 *8*	\$B 150.0 *7*	\$C 247.0 *6*

Owner: Seward Land & Cattle

Tag No.: **60** HERF (PB)
 Tattoo: 135J Born: 09/05/21 (S)
 Name: SLC P230 BLUEPRINT 135J ET
 Sire: BOYD 31Z BLUEPRINT 6153
 Dam's Sire: EF F745 FRANK P230

Polled Red-WF

Pen 3
 Reg. No. 44281993



Verified to Sire and Dam

Birth Weight	89	Performance Index				Adj. REA	11.6			
Birth CE	UN	On Test Wt.	844	103.6		Adj. REA/cwt	1.00			
Dam Age	9	End Test Wt.	1225			Adj. Rib Fat	0.21			
205-d Adj. Wt.	690	ADG	3.05 (103)	Foot Angle	5	Adj. % IM Fat	1.8	(77)		
205-d PCT		WPDA	3.23 (104)	Claw Set	5	% Retail Product	66.1	(99)		
205-d NO	2	Frame Score	4.9	Adj. 365-Day SC	31	Carcass Merit	88.2			
Genomic EPDs & Acc:	Birth Wt 0.8 (.47) *9*	Wean Wt 50.0 (.44) *4*	Year Wt 78.0 (.45) *3*	Mat Milk 23.0 (.30) *4*	Direct CE 7.0 (.43) *9*	Mat CE 2.4 (.29) *6*	\$ Indexes:	BMI\$ 341.0 *6*	BII\$ 430.0 *7*	CHB\$ 131.0 *9*
	Carcass Wt 60.0 (.10) *2*	Marbling 0.42 (.10) *10*	Ribeye Area 0.21 (.10) *2*	Fat 0.057 (.10) *1*						

Owner: Halls Angus

Tag No.: **44** ANGUS (PB)
 Tattoo: H550 Born: 09/02/21 (S)
 Name: Hall's BlackHawk H550
 Sire: Connealy Blackhawk 6198
 Dam's Sire: K C F Bennett Fortress

Polled Black

Pen 4
 Reg. No. 20296926



Verified to Sire and Dam

Birth Weight	83	Performance Index				Adj. REA	12.1			
Birth CE	UN	On Test Wt.	884	110.8		Adj. REA/cwt	1.08			
Dam Age	5	End Test Wt.	1320			Adj. Rib Fat	0.2			
205-d Adj. Wt.	607	ADG	3.49 (109)	Foot Angle	5	Adj. % IM Fat	2.56	(94)		
205-d PCT	99	WPDA	3.46 (113)	Claw Set	6	% Retail Product	67.1	(101)		
205-d NO	14	Frame Score	6.1	Adj. 365-Day SC	36	Carcass Merit	97.5			
Genomic EPDs & Acc:	Birth Wt 2.7 (.54) *2*	Wean Wt 91.0 (.47) *10*	Year Wt 151.0 (.38) *10*	Mat Milk 23.0 (.33) *3*	Direct CE 1.0 (.35) *2*	Mat CE 5.0 (.31) *2*	\$ Indexes:	\$M 66.0 *6*	\$W 79.0 *10*	\$F 83.0 *5*
	Docility 20.0 (.35) *6*	Carcass Wt 56.0 (.41) *8*	Marbling 0.46 (.38) *4*	Ribeye Area 0.33 (.37) *2*	Fat -0.020 (.35) *9*	\$G 43.0 *4*		\$B 126.0 *4*	\$C 229.0 *4*	

Owner: Springbrook Farms

Tag No.: **54** SIM-AN (3/4SM 1/4AN)
 Tattoo: 278J Born: 09/03/21 (S)
 Name: TCJ HERES JOHNNY 278J
 Sire: CLRS Dividend 405D
 Dam's Sire: GIBBS 0601X RAISINCAIN

Polled Black

Pen 2
 Reg. No. 4021004



Homozygous polled
 Verified to Sire and Dam

Birth Weight	97	Performance Index				Adj. REA	12.7		
Birth CE	UN	On Test Wt.	869	107.1		Adj. REA/cwt	1.06		
Dam Age	4	End Test Wt.	1280			Adj. Rib Fat	0.14		
205-d Adj. Wt.	725	ADG	3.29 (104)	Foot Angle	5	Adj. % IM Fat	2.28	(106)	
205-d PCT	90	WPDA	3.36 (112)	Claw Set	6	% Retail Product	67.8	(100)	
205-d NO	4	Frame Score	6.0	Adj. 365-Day SC	36	Carcass Merit	103.3		
Genomic EPDs & PC:	Birth Wt 4.4 (±1.53) *1*	Wean Wt 93.4 (±8.64) *10*	Year Wt 153.4 (±13.6) *10*	Mat Milk 17.4 (±9.28) *1*	Direct CE 6.6 (±4.2) *1*	Mat CE 2.6 (±5.7) *1*	\$ Indexes:	API 120.00 *4*	TI 83.30 *8*
	Docility 15.6 (±3) *9*	Carcass Wt 46.1 (±11.) *9*	Marbling 0.30 (±.16) *6*	Ribeye Area 0.79 (±.26) *8*	Fat -0.105 (±.02) *10*	Yield Grade -0.36 (±0.1) *9*			

Owner: Halls Angus

Tag No.: **41** ANGUS (PB) Polled Black
 Tattoo: H557 Born: 09/17/21 (S) Pen 4
 Name: Hall's Russell H557 Reg. No. 20296924
 Sire: A A R Russell 7098
 Dam's Sire: SydGen Enhance



Verified to Sire and Dam

Birth Weight	75	Performance Index				Adj. REA	13			
Birth CE	UN	On Test Wt.	728	104.5		Adj. REA/cwt	1.12			
Dam Age	3	End Test Wt.	1150			Adj. Rib Fat	0.21			
205-d Adj. Wt.	648	ADG	3.38 (106)	Foot Angle	6	Adj. % IM Fat	2.59 (95)			
205-d PCT	106	WPDA	3.13 (103)	Claw Set	5	% Retail Product	67.8 (102)			
205-d NO	14	Frame Score	5.2	Adj. 365-Day SC	32	Carcass Merit	98.5			
Genomic EPDs & Acc:	Birth Wt 2.5 (.52) *3*	Wean Wt 67.0 (.44) *7*	Year Wt 127.0 (.34) *9*	Mat Milk 32.0 (.27) *9*	Direct CE 8.0 (.33) *7*	Mat CE 12.0 (.25) *9*	\$ Indexes: \$M 80.0 *9*	\$W 64.0 *8*	\$F 82.0 *5*	
	Docility 24.0 (.31) *8*	Carcass Wt 44.0 (.38) *5*	Marbling 0.74 (.34) *7*	Ribeye Area 0.79 (.34) *8*	Fat -0.011 (.31) *9*		\$G 61.0 *8*	\$B 144.0 *7*	\$C 267.0 *8*	

Owner: Halls Angus

Tag No.: **39** ANGUS (PB) Polled Black
 Tattoo: H553 Born: 09/07/21 (S) Pen 4
 Name: Hall's Stellar H553 Reg. No. 20296925
 Sire: Sitz Stellar 726D
 Dam's Sire: Sydgen Black Pearl 2006



Verified to Sire and Dam

Birth Weight	89	Performance Index				Adj. REA	11.2			
Birth CE	UN	On Test Wt.	736	104.0		Adj. REA/cwt	1.03			
Dam Age	5	End Test Wt.	1160			Adj. Rib Fat	0.17			
205-d Adj. Wt.	574	ADG	3.39 (106)	Foot Angle	5	Adj. % IM Fat	2.93 (108)			
205-d PCT	94	WPDA	3.08 (101)	Claw Set	5	% Retail Product	66.6 (100)			
205-d NO	14	Frame Score	4.3	Adj. 365-Day SC	35	Carcass Merit	103.9			
Genomic EPDs & Acc:	Birth Wt 1.9 (.53) *4*	Wean Wt 61.0 (.46) *6*	Year Wt 109.0 (.37) *6*	Mat Milk 22.0 (.31) *3*	Direct CE 7.0 (.35) *6*	Mat CE 9.0 (.30) *6*	\$ Indexes: \$M 81.0 *10*	\$W 58.0 *6*	\$F 70.0 *2*	
	Docility 5.0 (.34) *1*	Carcass Wt 32.0 (.39) *2*	Marbling 0.62 (.35) *6*	Ribeye Area 0.37 (.35) *2*	Fat 0.002 (.33) *7*		\$G 49.0 *6*	\$B 119.0 *3*	\$C 235.0 *5*	

Owner: Miami Town Cattle

Tag No.: **7** ANGUS (PB) Polled Black
 Tattoo: 8301 Born: 08/30/21 (S) Pen 5
 Name: MTown Niagara Riff Reg. No. 20307279
 Sire: Underwood Niagara 915
 Dam's Sire: Ingleside Even 567



Verified to Sire and Dam

Birth Weight		Performance Index				Adj. REA	11.8			
Birth CE	UN	On Test Wt.	814	109.9		Adj. REA/cwt	0.97			
Dam Age	11	End Test Wt.	1260			Adj. Rib Fat	0.22			
205-d Adj. Wt.	669	ADG	3.57 (112)	Foot Angle	5	Adj. % IM Fat	2.14 (79)			
205-d PCT	100	WPDA	3.27 (107)	Claw Set	5	% Retail Product	65.8 (99)			
205-d NO	1	Frame Score	5.5	Adj. 365-Day SC	38	Carcass Merit	88.7			
Genomic EPDs & Acc:	Birth Wt 0.8 (.47) *7*	Wean Wt 50.0 (.38) *3*	Year Wt 101.0 (.32) *4*	Mat Milk 35.0 (.27) *10*	Direct CE 7.0 (.29) *6*	Mat CE 12.0 (.24) *9*	\$ Indexes: \$M 49.0 *2*	\$W 55.0 *5*	\$F 93.0 *8*	
	Docility 18.0 (.30) *5*	Carcass Wt 47.0 (.36) *6*	Marbling 0.42 (.32) *4*	Ribeye Area 0.67 (.32) *7*	Fat 0.033 (.28) *3*		\$G 41.0 *4*	\$B 134.0 *5*	\$C 223.0 *4*	

Owner: Small Cattle Farms

Tag No.: **17** ANGUS (PB) Polled Black
 Tattoo: 2120 Born: 08/12/21 (S) Pen 5
 Name: SCF Paymaster 2120 Reg. No. 20130094
 Sire: Linz Master Plan 9219
 Dam's Sire: G A R Sunrise



Verified to Sire and Dam

Birth Weight	76	Performance Index				Adj. REA	10.5			
Birth CE	UN	On Test Wt.	733	103.3		Adj. REA/cwt	0.97			
Dam Age	5	End Test Wt.	1168			Adj. Rib Fat	0.14			
205-d Adj. Wt.	582	ADG	3.48 (109)	Foot Angle	5	Adj. % IM Fat	2.75	(101)		
205-d PCT	92	WPDA	2.90 (95)	Claw Set	5	% Retail Product	66.0	(99)		
205-d NO	19	Frame Score	4.4	Adj. 365-Day SC	35	Carcass Merit	100.1			
Genomic EPDs & Acc:	Birth Wt 1.0(.53) *6*	Wean Wt 73.0(.45) *9*	Year Wt 123.0(.35) *8*	Mat Milk 31.0(.29) *9*	Direct CE 11.0(.31) *9*	Mat CE 13.0(.27) *10*	\$ Indexes:	\$M 75.0 *9*	\$W 77.0 *10*	\$F 85.0 *6*
	Dolcility 16.0(.32) *5*	Carcass Wt 48.0(.40) *6*	Marbling 1.10(.36) *10*	Ribeye Area 0.88(.36) *9*	Fat -0.024(.33) *10*			\$G 81.0 *10*	\$B 165.0 *9*	\$C 289.0 *10*

Owner: Walnut Creek Crossing Farms

Tag No.: **55** R ANGS(Cat. 1A) Polled
 Tattoo: 171J Born: 06/05/21 (S) Pen 3
 Name: WCCF FRANCHISE 171J Reg. No. 4583069
 Sire: WCCF FRANCHISE 932G
 Dam's Sire: RED FINE LINE MULBERRY 26P



Verified to Sire and Dam

Birth Weight	72	Performance Index				Adj. REA	10.1			
Birth CE	UN	On Test Wt.	746	102.9		Adj. REA/cwt	0.92			
Dam Age	12	End Test Wt.	1200			Adj. Rib Fat	0.11			
205-d Adj. Wt.	582	ADG	3.63 (116)	Foot Angle	5	Adj. % IM Fat	2.27	(93)		
205-d PCT	100	WPDA	2.55 (84)	Claw Set	7	% Retail Product	65.7	(98)		
205-d NO	1	Frame Score	3.8	Adj. 365-Day SC	32	Carcass Merit	95.6			
Genomic EPDs & Acc:	Birth Wt -2.3(.38) *7*	Wean Wt 62.0(.37) *6*	Year Wt 108.0(.37) *8*	Mat Milk 22.0(.14) *3*	Direct CE 15.0(.35) *9*	Mat CE 11.0(.19) *10*	\$ Indexes:	ProS 116.0 *9*	HB 71.0 *9*	GM 45.0 *7*
	Carcass Wt 22.0(.34) *5*	Marbling 0.44(.3) *6*	Ribeye Area 0.02(.33) *3*	Fat 0.020(.27) *6*	Yield Grade 0.09(.27) *1*					

Owner: Bennett Angus

Tag No.: **37** ANGUS (PB) Polled Black
 Tattoo: B59 Born: 08/21/21 (S) Pen 4
 Name: Bennett's All In Black B59 Reg. No. 20296913
 Sire: Connealy Blackhawk 6198
 Dam's Sire: Deer Valley All In



Verified to Sire and Dam

Birth Weight	88	Performance Index				Adj. REA	12.7			
Birth CE	UN	On Test Wt.	945	101.1		Adj. REA/cwt	1.10			
Dam Age	7	End Test Wt.	1325			Adj. Rib Fat	0.36			
205-d Adj. Wt.	696	ADG	3.04 (95)	Foot Angle	5	Adj. % IM Fat	3.15	(116)		
205-d PCT	114	WPDA	3.36 (110)	Claw Set	6	% Retail Product	66.0	(99)		
205-d NO	14	Frame Score	5.7	Adj. 365-Day SC	35	Carcass Merit	107.5			
Genomic EPDs & Acc:	Birth Wt 1.2(.54) *6*	Wean Wt 73.0(.47) *9*	Year Wt 127.0(.38) *9*	Mat Milk 28.0(.33) *7*	Direct CE 5.0(.36) *4*	Mat CE 6.0(.32) *3*	\$ Indexes:	\$M 57.0 *4*	\$W 68.0 *9*	\$F 59.0 *1*
	Dolcility 13.0(.36) *3*	Carcass Wt 34.0(.42) *2*	Marbling 0.76(.38) *7*	Ribeye Area 0.23(.38) *1*	Fat 0.040(.35) *2*			\$G 51.0 *6*	\$B 110.0 *2*	\$C 200.0 *2*

Owner: Allen Farm

Tag No.: 32 SIM-AN (3/8SM 5/8AN) Polled Black
Tattoo: J116 Born: 09/03/21 (S) Pen 2
Name: ALLENS ABSOLUTE CERTAINTY Reg. No. 4022405
Sire: LEACHMAN LA CERTAINTY G06
Dam's Sire: HOOK'S YELLOWSTONE 97Y Verified to Sire and Dam



Birth Weight 75 Performance Index 100.2 Adj. REA 12.2
Birth CE UN On Test Wt. 709 Adj. REA/cwt 1.12
Dam Age 2 End Test Wt. 1113 Adj. Rib Fat 0.18
205-d Adj. Wt. 606 ADG 3.23 (102) Foot Angle 5 Adj. % IM Fat 1.94 (90)
205-d PCT 100 WPDA 2.92 (97) Claw Set 5 % Retail Product 67.7 (100)
205-d NO 5 Frame Score 3.8 Adj. 365-Day SC 34 Carcass Merit 95.3

Genomic Birth Wt Wean Wt Year Wt Mat Milk Direct CE Mat CE \$ Indexes:
EPDs & -0.8(±1.62) 79.1(±8.97) 131.3(±14.1) 22.9(±9.88) 15.4(±4.4) 8.3(±6)
PC: *8* *7* *8* *6* *9* *8*
Docility Carcass Wt Marbling Ribeye Area Fat Yield Grade API TI
11.2(±2.9) 57.6(±11.) 0.31(±.15) 0.78(±0.2) -0.002(±.02) -0.05(±0.1) 129.40 79.00
4 *10* *6* *8* *1* *1* *5* *6*

Owner: Small Cattle Farms

Tag No.: 12 ANGUS (PB) Polled Black
Tattoo: 2106 Born: 07/17/21 (S) Pen 6
Name: SCF Energize 2106 Reg. No. 20130079
Sire: FHCC Energize 8562
Dam's Sire: SydGen Black Pearl 5695 Verified to Sire and Dam



Birth Weight 82 Performance Index 113.9 Adj. REA 11.9
Birth CE UN On Test Wt. 824 Adj. REA/cwt 0.95
Dam Age 3 End Test Wt. 1315 Adj. Rib Fat 0.11
205-d Adj. Wt. 673 ADG 3.93 (123) Foot Angle 5 Adj. % IM Fat 2.2 (81)
205-d PCT 106 WPDA 3.07 (100) Claw Set 5 % Retail Product 66.8 (100)
205-d NO 19 Frame Score 5.8 Adj. 365-Day SC 35 Carcass Merit 90.6

Genomic Birth Wt Wean Wt Year Wt Mat Milk Direct CE Mat CE \$M \$W \$F
EPDs & 3.8(.53) 68.0(.44) 127.0(.33) 33.0(.28) 1.0(.31) 6.0(.25) 47.0 55.0 111.0
Acc: *1* *8* *9* *10* *2* *3* *2* *5* *10*
Docility Carcass Wt Marbling Ribeye Area Fat Yield Grade \$G \$B \$C
26.0(.31) 64.0(.38) 0.81(.34) 0.92(.34) -0.040(.32) 69.0 180.0 280.0
9 *9* *8* *9* *10* *9* *10* *9*

Owner: Greives Herefords

Tag No.: 28 HERF (PB) Polled Red-WF
Tattoo: 149J Born: 09/15/21 (S) Pen 3
Name: GG AA 87G MANIFEST 149J Reg. No. 44284706
Sire: NJW 133A 6589 MANIFEST 87G Homozygous polled
Dam's Sire: MSU TCF REVOLUTION 4R Verified to Sire and Dam



Birth Weight 94 Performance Index 101.8 Adj. REA 12.1
Birth CE UN On Test Wt. 832 Adj. REA/cwt 1.08
Dam Age 9 End Test Wt. 1200 Adj. Rib Fat 0.24
205-d Adj. Wt. 705 ADG 2.94 (100) Foot Angle 6 Adj. % IM Fat 2.72 (117)
205-d PCT 101 WPDA 3.25 (105) Claw Set 6 % Retail Product 66.7 (100)
205-d NO 6 Frame Score 6.1 Adj. 365-Day SC 40 Carcass Merit 108.4

Genomic Birth Wt Wean Wt Year Wt Mat Milk Direct CE Mat CE \$ Indexes:
EPDs & 3.1(.49) 69.0(.42) 109.0(.43) 25.0(.25) -1.4(.39) -1.3(.22)
Acc: *5* *10* *10* *5* *2* *2*
Carcass Wt Marbling Ribeye Area Fat Yield Grade BMI\$ BII\$ CHB\$
71.0(.21) 0.11(.23) 0.59(.21) 0.087(.26) 402.0 490.0 109.0
7 *6* *9* *1* *9* *9* *5*

Owner: Halls Angus

Tag No.: **42** ANGUS (PB) Polled Black
 Tattoo: H554 Born: 09/09/21 (S) Pen 4
 Name: Hall's Relevant H554 Reg. No. 20296918
 Sire: FF Rito Relevant 8B63
 Dam's Sire: Connealy Union 215X



Verified to Sire and Dam

Birth Weight	90	Performance Index				Adj. REA	14			
Birth CE	UN	On Test Wt.	839	104.5		Adj. REA/cwt	1.2			
Dam Age	7	End Test Wt.	1245			Adj. Rib Fat	0.15			
205-d Adj. Wt.	656	ADG	3.25 (102)	Foot Angle	5	Adj. % IM Fat	2.5	(92)		
205-d PCT	107	WPDA	3.32 (109)	Claw Set	4	% Retail Product	69.6	(104)		
205-d NO	14	Frame Score	6.1	Adj. 365-Day SC	39	Carcass Merit	98.2			
Genomic EPDs & Acc:	Birth Wt 2.5 (.53) *3*	Wean Wt 78.0 (.45) *10*	Year Wt 127.0 (.35) *9*	Mat Milk 29.0 (.28) *8*	Direct CE 0.0 (.33) *1*	Mat CE 4.0 (.26) *2*	\$ Indexes: \$M 52.0 *3*	\$W 72.0 *9*	\$F 92.0 *7*	
	Docility 4.0 (.31) *1*	Carcass Wt 59.0 (.39) *8*	Marbling 1.13 (.35) *10*	Ribeye Area 0.91 (.35) *9*	Fat -0.001 (.33) *7*		\$G 80.0 *10*	\$B 172.0 *10*	\$C 275.0 *9*	

Owner: Small Cattle Farms

Tag No.: **15** ANGUS (PB) Polled Black
 Tattoo: 2123 Born: 08/15/21 (S) Pen 5
 Name: SCF Enhance 2123 Reg. No. 20130097
 Sire: Sydgen Enhance
 Dam's Sire: G A R Radiance



Verified to Sire and Dam

Birth Weight	86	Performance Index				Adj. REA	12.1			
Birth CE	UN	On Test Wt.	792	102.4		Adj. REA/cwt	1.02			
Dam Age	4	End Test Wt.	1210			Adj. Rib Fat	0.16			
205-d Adj. Wt.	699	ADG	3.34 (105)	Foot Angle	6	Adj. % IM Fat	2.68	(99)		
205-d PCT	100	WPDA	3.03 (99)	Claw Set	5	% Retail Product	67.0	(100)		
205-d NO	2	Frame Score	5.6	Adj. 365-Day SC	35	Carcass Merit	99.6			
Genomic EPDs & Acc:	Birth Wt 0.7 (.51) *7*	Wean Wt 66.0 (.43) *7*	Year Wt 122.0 (.39) *8*	Mat Milk 38.0 (.33) *10*	Direct CE 7.0 (.34) *6*	Mat CE 13.0 (.32) *10*	\$ Indexes: \$M 76.0 *9*	\$W 76.0 *10*	\$F 92.0 *7*	
	Docility 21.0 (.37) *7*	Carcass Wt 50.0 (.42) *6*	Marbling 1.14 (.38) *10*	Ribeye Area 0.67 (.38) *7*	Fat 0.012 (.34) *6*		\$G 77.0 *10*	\$B 169.0 *9*	\$C 295.0 *10*	

Owner: Jay Alcorn

Tag No.: **2** ANGUS (PB) Polled Black
 Tattoo: 114 Born: 09/25/21 (S) Pen 4
 Name: Alcorn Growth Fund 114 Reg. No. 20304255
 Sire: Deer Valley Growth Fund
 Dam's Sire: S A V Priority 7283



Verified to Sire and Dam

Birth Weight	82	Performance Index				Adj. REA	11.7			
Birth CE	UN	On Test Wt.	851	105.2		Adj. REA/cwt	0.94			
Dam Age	7	End Test Wt.	1248			Adj. Rib Fat	0.18			
205-d Adj. Wt.	764	ADG	3.18 (99)	Foot Angle	5	Adj. % IM Fat	2.58	(95)		
205-d PCT	106	WPDA	3.48 (114)	Claw Set	6	% Retail Product	65.8	(99)		
205-d NO	2	Frame Score	5.9	Adj. 365-Day SC	37	Carcass Merit	96.9			
Genomic EPDs & Acc:	Birth Wt 3.2 (.52) *2*	Wean Wt 99.0 (.45) *10*	Year Wt 174.0 (.39) *10*	Mat Milk 25.0 (.32) *5*	Direct CE 2.0 (.35) *2*	Mat CE 10.0 (.31) *8*	\$ Indexes: \$M 81.0 *10*	\$W 83.0 *10*	\$F 132.0 *10*	
	Docility 21.0 (.36) *7*	Carcass Wt 89.0 (.41) *10*	Marbling 0.57 (.37) *5*	Ribeye Area 0.67 (.37) *7*	Fat 0.032 (.34) *3*		\$G 48.0 *6*	\$B 180.0 *10*	\$C 314.0 *10*	

Owner: Small Cattle Farms

Tag No.: **14** ANGUS (PB) Polled Black
 Tattoo: 2105 Born: 07/08/21 (S) Pen 6
 Name: SCF Energize 2015 Reg. No. 20130078
 Sire: FHCC Energize 8562
 Dam's Sire: G A R 5050 New Design 5529 *Verified to Sire and Dam*



Birth Weight	83	Performance Index				Adj. REA	12.2			
Birth CE	UN	On Test Wt.	832	105.2		Adj. REA/cwt	1.00			
Dam Age	6	End Test Wt.	1278			Adj. Rib Fat	0.13			
205-d Adj. Wt.	620	ADG	3.57 (112)	Foot Angle	6	Adj. % IM Fat	2.98	(110)		
205-d PCT	98	WPDA	2.92 (95)	Claw Set	5	% Retail Product	67.2	(101)		
205-d NO	19	Frame Score	4.7	Adj. 365-Day SC	35	Carcass Merit	105.3			
Genomic EPDs & Acc:	Birth Wt 3.0 (.53) *2*	Wean Wt 64.0 (.45) *7*	Year Wt 115.0 (.34) *7*	Mat Milk 20.0 (.29) *2*	Direct CE 1.0 (.32) *2*	Mat CE 10.0 (.25) *8*	\$ Indexes:	\$M 59.0 *4*	\$W 48.0 *3*	\$F 95.0 *8*
	Docility 21.0 (.32) *7*	Carcass Wt 48.0 (.39) *6*	Marbling 1.07 (.35) *10*	Ribeye Area 0.87 (.35) *9*	Fat -0.003 (.32) *8*			\$G 77.0 *10*	\$B 172.0 *10*	\$C 282.0 *9*

Owner: Greives Herefords

Tag No.: **23** HERF (PB) Polled Red-WF
 Tattoo: 141J Born: 08/18/21 (S) Pen 3
 Name: GG 57G AUTHORITY 141J Reg. No. 44284713
 Sire: NJW 11B 6589 AUTHORITY 57G Heterozygous polled
 Dam's Sire: CHURCHILL NIGHTCAP 7256E *Verified to Sire and Dam*



Birth Weight	70	Performance Index				Adj. REA	12.3			
Birth CE	UN	On Test Wt.	837	98.6		Adj. REA/cwt	1.05			
Dam Age	2	End Test Wt.	1203			Adj. Rib Fat	0.23			
205-d Adj. Wt.	757	ADG	2.93 (99)	Foot Angle	5	Adj. % IM Fat	2.59	(111)		
205-d PCT	109	WPDA	3.03 (98)	Claw Set	5	% Retail Product	66.7	(100)		
205-d NO	6	Frame Score	5.1	Adj. 365-Day SC	32	Carcass Merit	105.6			
Genomic EPDs & Acc:	Birth Wt 0.8 (.46) *9*	Wean Wt 66.0 (.39) *10*	Year Wt 103.0 (.4) *9*	Mat Milk 26.0 (.21) *6*	Direct CE 7.3 (.38) *9*	Mat CE 4.9 (.19) *9*	\$ Indexes:	BMI\$ 382.0 *8*	BII\$ 474.0 *9*	CHB\$ 140.0 *10*
	Carcass Wt 81.0 (.20) *10*	Marbling 0.27 (.19) *9*	Ribeye Area 0.66 (.19) *10*	Fat 0.017 (.22) *6*						

Owner: Small Cattle Farms

Tag No.: **11** ANGUS (PB) Polled Black
 Tattoo: 2109 Born: 07/17/21 (S) Pen 6
 Name: SCF Energize 2109 Reg. No. 20130083
 Sire: FHCC Energize 8562
 Dam's Sire: G A R Sunrise *Verified to Sire and Dam*



Birth Weight	83	Performance Index				Adj. REA	11.6			
Birth CE	UN	On Test Wt.	771	103.5		Adj. REA/cwt	1.02			
Dam Age	3	End Test Wt.	1213			Adj. Rib Fat	0.16			
205-d Adj. Wt.	625	ADG	3.54 (111)	Foot Angle	6	Adj. % IM Fat	3.27	(120)		
205-d PCT	99	WPDA	2.83 (93)	Claw Set	5	% Retail Product	66.7	(100)		
205-d NO	19	Frame Score	4.5	Adj. 365-Day SC	35	Carcass Merit	110.3			
Genomic EPDs & Acc:	Birth Wt 3.2 (.54) *2*	Wean Wt 59.0 (.46) *5*	Year Wt 104.0 (.35) *5*	Mat Milk 34.0 (.30) *10*	Direct CE 5.0 (.33) *4*	Mat CE 5.0 (.28) *2*	\$ Indexes:	\$M 71.0 *8*	\$W 60.0 *7*	\$F 79.0 *4*
	Docility 23.0 (.34) *8*	Carcass Wt 40.0 (.41) *4*	Marbling 0.98 (.37) *9*	Ribeye Area 0.84 (.36) *9*	Fat -0.022 (.34) *10*			\$G 74.0 *10*	\$B 153.0 *8*	\$C 269.0 *8*

Owner: Bennett Angus

Tag No.: **36** ANGUS (PB) Polled Black
 Tattoo: B60 Born: 08/23/21 (S) Pen 4
 Name: Bennett's MP Relevant B60 Reg. No. 20296922
 Sire: FF Rito Relevant 8B63
 Dam's Sire: SydGen Black Pearl 2006



Verified to Sire and Dam

Birth Weight	84	Performance Index				Adj. REA	12.2			
Birth CE	UN	On Test Wt.	808	100.8		Adj. REA/cwt	1.11			
Dam Age	5	End Test Wt.	1210			Adj. Rib Fat	0.19			
205-d Adj. Wt.	596	ADG	3.22 (101)	Foot Angle	5	Adj. % IM Fat	2.88	(106)		
205-d PCT	97	WPDA	3.09 (101)	Claw Set	6	% Retail Product	67.5	(101)		
205-d NO	14	Frame Score	4.9	Adj. 365-Day SC	34	Carcass Merit	103.6			
Genomic EPDs & Acc:	Birth Wt 1.6(.52) *5*	Wean Wt 61.0(.44) *6*	Year Wt 106.0(.34) *5*	Mat Milk 25.0(.26) *5*	Direct CE 3.0(.32) *3*	Mat CE 9.0(.24) *6*	\$ Indexes: \$M 72.0 \$W 60.0 \$F 73.0 \$G 66.0 \$B 139.0 \$C 252.0	*8*	*7*	*3*
	Dolcility 1.0(.30) *1*	Carcass Wt 31.0(.38) *2*	Marbling 0.77(.34) *7*	Ribeye Area 1.02(.34) *10*	Fat -0.015(.31) *9*					

Owner: Saxe Farm

Tag No.: **50** SIM-AN (1/2SM 1/2AN) Polled Black
 Tattoo: J116 Born: 08/30/21 (S) Pen 5
 Name: SF FRANCHISE EASY J116 Reg. No. 3956090
 Sire: TJ FRANCHISE 451D
 Dam's Sire: GCCR EASY ANSWER Y108



Verified to Sire and Dam

Birth Weight	83	Performance Index				Adj. REA	12.8			
Birth CE	UN	On Test Wt.	832	96.4		Adj. REA/cwt	1.18			
Dam Age	5	End Test Wt.	1195			Adj. Rib Fat	0.24			
205-d Adj. Wt.	676	ADG	2.90 (92)	Foot Angle	5	Adj. % IM Fat	1.94	(90)		
205-d PCT	98	WPDA	3.10 (103)	Claw Set	6	% Retail Product	67.9	(100)		
205-d NO	6	Frame Score	3.9	Adj. 365-Day SC	39	Carcass Merit	95.4			
Genomic EPDs & PC:	Birth Wt -1.3(±1.56) *8*	Wean Wt 71.8(±8.8) *4*	Year Wt 112.0(±13.6) *5*	Mat Milk 24.8(±9.52) *7*	Direct CE 15.2(±4.3) *9*	Mat CE 7.8(±5.9) *8*	\$ Indexes: API 156.10 TI 80.10	*9*	*6*	
	Dolcility 17.7(±2.9) *10*	Carcass Wt 16.4(±11.) *1*	Marbling 0.45(±.15) *8*	Ribeye Area 0.06(±.26) *1*	Fat 0.038(±.02) *1*	Yield Grade 0.11(±0.1) *1*				

Owner: Clear Water Simmentals

Tag No.: **3** SIMTAL (PB) Polled Black
 Tattoo: J417 Born: 09/10/21 (S) Pen 2
 Name: CLRWTR FAVOR J417 Reg. No. 4040097
 Sire: LCDR FAVOR 149F Homozygous Black, Homozygous Polled
 Dam's Sire: HTP SVF IN DEW TIME



Verified to Sire and Dam

Birth Weight	98	Performance Index				Adj. REA	13.1			
Birth CE	UN	On Test Wt.	826	97.6		Adj. REA/cwt	1.16			
Dam Age	11	End Test Wt.	1190			Adj. Rib Fat	0.19			
205-d Adj. Wt.	712	ADG	2.91 (93)	Foot Angle	5	Adj. % IM Fat	1.74	(71)		
205-d PCT	100	WPDA	3.18 (105)	Claw Set	6	% Retail Product	68.3	(102)		
205-d NO	1	Frame Score	5.3	Adj. 365-Day SC	37	Carcass Merit	86.7			
Genomic EPDs & PC:	Birth Wt 3.0(±1.53) *3*	Wean Wt 86.7(±9.13) *9*	Year Wt 123.1(±14.4) *7*	Mat Milk 28.2(±10) *9*	Direct CE 6.7(±4.4) *1*	Mat CE 3.0(±6.0) *1*	\$ Indexes: API 125.70 TI 80.10	*4*	*7*	
	Dolcility 15.4(±3) *10*	Carcass Wt 26.4(±12.) *5*	Marbling 0.11(±0.1) *5*	Ribeye Area 0.64(±0.2) *1*	Fat -0.074(±0.0) *3*	Yield Grade -0.32(±0.1) *2*				

Owners of Sale Bulls - Contact Information

Allen Farm

Stuart James
2695 Allen Rd
Buncombe, IL 62912
618-697-1316

Bennett Angus

Carol D. Bennett
6 Hall Rd.
Eddyville, IL 62928
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Clear Water Simmentals

Jeff & Leah Meinders
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Milan, IN 47031
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Greives Herefords

Bob Greives
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Halls Angus

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Jay Alcorn

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Miami Town Cattle

Dave House
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Neal Brothers Simmentals

Joe Neal
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Saxe Farm

Tom Saxe
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Seward Land & Cattle

J.D. Seward
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Small Cattle Farms

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Springbrook Farms

Todd Jones
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765-562-2955

TJ Simmentals

Tyler Jones
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618-927-7733

Underwood Angus Farms / Neil

Neil and Mariah Underwood
13067 N 500 E
North Manchester, IN 46962
260-901-0006

Walnut Creek Crossing Farms

William Stofer
1151 W 300 S
Warsaw, IN 46580
574-551-8517

Interpreting Performance Information of IBEP Bulls

Donna L. Lofgren, Department of Animal Sciences, Purdue University

										Performance Index 111.4			
Birth Weight	87							Adj. REA	11.4				
Birth CE	UN	On Test Wt.	800					Adj. REA/cwt	0.91				
Dam Age	8	End Test Wt.	1215					Adj. Rib Fat	0.25				
205-d Adj. Wt.	723	ADG	3.32 (109)	Foot Angle	5			Adj. % IM Fat	4.12 (121)				
205-d PCT	108	WPDA	3.30 (115)	Claw Set	5			% Retail Product	64.7 (98)				
205-d NO	8	Frame Score	5.5	Adj. 365-day SC	33			Carcass Merit	109.5				
										\$ Indexes:			
EPDs:	Birth Wt	Wean Wt	Year. Wt.	Mat. Milk	Direct CE	Mat CE	\$M	\$W	\$F				
	0.8 (.56)	69.0 (.49)	117.0 (.40)	26.0 (.36)	8.0 (.37)	13.0 (.34)	60.0	79.0	92.0				
	7	*9*	*9*	*7*	*7*	*10*	*6*	*10*	*8*				
	Docility	Carcass Wt	Marbling	Ribeye Area	Fat	\$G	\$B	\$C					
	11.0 (.38)	50.0 (.44)	.75 (.40)	.76 (.40)	.010 (.38)	59.0	151.0	256.0					
	3	*8*	*8*	*9*	*6*	*9*	*9*	*9*					

Birth: **Birth Weight** is the actual birth weight. **Birth CE** is calving ease: UN = unassisted; EP = Easy Pull; HP = Hard Pull; AB = Malpresentation. In the ID section, after the birth date is the (**Birth Code**): S = Single; TW = Twin; TR = Triplet; ET = Embryo Transfer.

Dam Age is the dam's age at calving.

205-Day: **Adj. Wt.** is the 205-day weight adjusted for the age of the dam. **PCT** is the weight expressed as a ratio (percent of the average); this was determined within herd and not within breed at the Test Station. **NO** is the number of bulls of similar age (contemporaries) that were weighed at weaning.

On Test Wt. and **End Test Wt.** are the actual weights at the start of the test period (November 17, 2020) and at the end of the performance test (March 22, 2021).

ADG is the Average Daily Gain of the bull during the 125-day test. In parentheses is the ADG expressed as a ratio, which compares the ADG to the breed average. A ratio of 109 indicates the bull gained 9% faster than the average of his breed in this test. If there are fewer than 6 bulls of one breed, the ratio is based on the average ADG of all bulls on test.

WPDA is the Weight Per Day of Age on March 22. In parentheses is the WPDA expressed as a ratio, which compares the WPDA to the breed average. A ratio of 115 indicates the bull was 15% heavier than the average of his breed on test. If there are fewer than 6 bulls of one breed, the ratio is based on the average WPDA of all bulls on test.

Perf. Index is the IBEP Performance Index = $.60(\text{ADG Ratio}) + .40(\text{WPDA Ratio})$. In this example, the index is $.60(109) + .40(115) = 111.4$, indicating that his combined performance was 11.4% above the breed average. Bulls with higher indexes should add more growth potential to calves than bulls of the same breed with lower indexes. Calves with more genetic potential for growth should be heavier at weaning, gain faster in the feedlot, reach an acceptable harvest weight at a younger age, and be more profitable.

Frame Score: Hip height was measured on March 22 and was used along with the age of the bull on March 22 to calculate the Frame Score (BIF Guidelines, 9th edition).

Foot Angle and **Claw Set** were scored on every bull, utilizing the *Foot Score Guidelines* published by the American Angus Association. Scores range from 1 to 9, with 5 being ideal. See more details on Page 10 of this catalog.

Adj. 365-day SC is the scrotal circumference at the end of the test, in cm., adjusted to 365 days of age.

Adj. REA and **Adj. Rib Fat** are the Rib Eye Area and Rib Fat measured by ultrasound at the 12th rib, adjusted to 365 days of age. Breed-specific adjustments are used. ^ Denotes that the breed association does not adjust this ultrasound information to 365 days of age, so this is the actual record (unless otherwise specified). **Adj. REA/cwt** is the adjusted Rib Eye Area expressed per hundred pounds of live weight. The 365-day weight is used as the live weight measurement; if REA is not adjusted to 365 days, the weight at scanning is used.

Adj. % IM Fat is the % intramuscular (IM) fat measured by ultrasound, adjusted to 365 days of age. ^ Denotes that the breed association does not adjust % IM fat to 365 days of age, so this is the actual record (unless otherwise specified). In parentheses is the % IM fat expressed as a ratio, which compares the % IM fat to the breed average. A ratio of 121 indicates the bull had 21% more % IM fat than the average of his breed in this test. If there are fewer than 6 bulls of one breed, the ratio is based on the average % IM fat of all bulls on test. The % IM fat is a measure of marbling, which is one of the major factors influencing carcass Quality Grade. Comparing within a breed, bulls with higher % IM fat should sire calves with a greater ability to have a higher carcass Quality Grade than calves sired by bulls with lower % IM fat.

% Retail Product is estimated as $65.59 - 9.931*(\text{Rib Fat}) + 1.2259*(\text{Rib Eye Area}) - 0.013166*(\text{Carcass Weight}) - 1.29*(\text{KPH})$. Rib Fat and Rib Eye Area are adjusted to 365 days of age. Carcass Weight was estimated as $.60*(365\text{-day Weight})$; if the breed association does not adjust ultrasound information to 365 days of age, the weight at scanning is used instead of 365-day weight. A KPH (kidney, pelvic and heart fat) value of 2.0% was used for all bulls. In parentheses is the % retail product expressed as a ratio, which compares the % retail product to the breed average. A ratio of 98 indicates the bull is estimated to have 2% less % retail product than the average for his breed in this test. If there are fewer than 6 bulls of one breed, the ratio is based on the average % retail product of all bulls on test. The % retail product is heavily influenced by rib fat thickness and rib eye area, and highly related to carcass Yield Grade. Lower rib fat thickness and larger rib eye area result in greater % retail product. Comparing within a breed, bulls with higher % retail product values should sire calves with carcasses having more desirable Yield Grades than bulls with lower % retail product values.

Carcass Merit is calculated as $(\% \text{ Retail Product Ratio} + \% \text{ Intramuscular Fat Ratio})/2$. In this example, the carcass merit is $(121+98)/2 = 109.5$, indicating that his carcass merit is 9.5% above the breed average. Carcass merit is an attempt to provide an indicator of both carcass Quality Grade and carcass Yield Grade. Ideally, we would prefer bulls that were above average in both % retail product and in % IM fat. However, this is not always possible. Producers whose calves tend to have less than desirable Quality Grades need to place greater emphasis on % IM fat, while those with calves that tend to have poor Yield Grade (i.e., few Yield Grade 1 and 2 with some Yield Grade 4) need to place greater emphasis on % retail product.

EPDs: EPDs and (Accuracies) are given for several traits: Birth Weight, Weaning Weight, Yearling Weight, Maternal Milk, Direct Calving Ease, Maternal Calving Ease, Docility, Carcass Weight, Marbling, Rib Eye Area, Fat Thickness, Yield Grade, and Days to Finish. Exact traits will be different for each breed. **“Genomic EPDs”** means that the bull himself had a genomic test done, and this was incorporated into his EPDs. See the article **EPDs and \$ Indexes** for more information. The numbers in asterisks indicate the percentile group ranking of the bull in the breed, in 10% groups: *10* is in the top 1-10%, *9* is 11-20%, and so on; *2* is 81-90%; and *1* is 91-100% (the bottom 10%). Bulls are compared to non-parent EPDs from their respective breed associations; it is a ranking within the entire breed, not just the bulls in this test. It is only valid to compare EPDs of bulls within the same breed. Do not compare EPDs of bulls in different breeds.

\$ Indexes: These are multi-trait selection indexes calculated by some breed associations. These combine EPDs for several traits into a single economic value, which can be used to make selection decisions. The index values are interpreted like EPDs; the difference in index value between two bulls is the expected difference in average dollar value per head of their progeny, when the bulls are bred to similar cows. Typical beef production and economic values are used in calculating the indexes. Indexes are expressed in dollars per head, and higher indexes mean a higher dollar value per head. An index value only has meaning when it is compared to the index value of another animal of the same breed. Currently, indexes are calculated for Angus, Gelbvieh, Gelbvieh Balancer, Hereford, Limousin, Red Angus, Shorthorn, Simmental, and SimAngus bulls.

Angus indexes are Maternal Weaned Calf Value (\$M), Weaned Calf Value (\$W), Feedlot Value (\$F), Grid Value (\$G), Beef Value (\$B), and Combined Value (\$C).

Charolais index is Terminal Sire Index (TSI).

Gelbvieh indexes are \$Cow, Efficiency Profit Index (EPI), and Feeder Profit Index (FPI).

Hereford indexes are Baldy Maternal Index (BMI\$), Brahman Influence Index (BII\$), and Certified Hereford Beef Index (CHB\$).

Limousin index is Mainstream Terminal Index (\$MTI).

Red Angus indexes are Profitability and Sustainability Index (ProS), HerdBuilder Index (HB) and GridMaster Index (GM).

Shorthorn indexes are Calving Ease Direct (\$CEZ), British Maternal Index (\$BMI), and Feedlot (\$F).

Simmental and **SimAngus** indexes are All-Purpose Index (API) and Terminal Index (TI).

See the article **EPDs and \$ Indexes** for more information. The numbers in asterisks indicate the percentile group ranking of the bull in the breed, in 10% groups: *10* is in the top 1-10%, *9* is 11-20%, and so on; *2* is 81-90%; and *1* is 91-100% (the bottom 10%). Bulls are compared to non-parent indexes from their respective breed associations; it is a ranking within the entire breed, not just the bulls in this test.

Breed Association “Branding”:

Breed associations may have programs to “brand” individuals that meet specific criteria. Currently, the American Angus Association is the only breed association with such a program.

American Angus Association’s Certified Angus Beef “Targeting the Brand”

The Targeting the Brand™ logo is designed to highlight registered Angus bulls with greater genetic potential to produce calves meeting the most challenging specifications of the Certified Angus Beef® brand. Bulls must meet genetic requirements of +0.65 Marbling EPD and +55 \$Grid of non-parent Angus bulls to qualify for use of the Targeting the Brand™ logo.

Bulls meeting this requirement will show the logo below the owner's name:



Soundness and Foot Score Evaluations:

The IBEP board of directors accepted the motion in December of 2019 to utilize the *Foot Score Guidelines* published by the American Angus Association to score hoof angle and claw set on every bull on test. A diagram of the guidelines is shown below. Scores of 1 and 9 are considered “unsound”, and scores of 2 and 8 are considered “marginally unsound”. A score of 5 is considered an ideal score.

The structural soundness committee consists of three to five individuals that do not own a bull currently on test. As a committee, they discuss each bull and come to an agreement on the foot angle and claw set score for each bull.

As a committee, they make a decision on whether or not each bull is eligible for sale based on structural soundness and disposition.

FOOT SCORE GUIDELINES
Claw Set (5 is ideal)

1	Extremely weak, open, divergent claw set. Unsound.	2	Open, divergent claw set. Marginally unsound.	3	Moderately open/divergent claw set.	4	Slightly open/divergent claw set.	5	Ideal. Symmetrical claws, with appropriate space between claws.
6	Slight tendency for claws to curl. One claw may be slightly larger than the other.	7	Tendency for claws to curl, with one claw larger than the other.	8	Moderate scissor claw and/or screw claw. Curling of one or both claws. Near crossing of claws. Marginally unsound.	9	Extreme scissor claw and/or screw claw. Pronounced curling of one or both claws. Crossing of claws. Unsound.		

Access AAA Login at angus.org to submit scores. **ANGUS** THE BUSINESS BREED

FOOT SCORE GUIDELINES
Foot Angle (5 is ideal)

1 2 3 4 5
6 7 8 9

Claw Set (5 is ideal)

1 2 3 4 5
6 7 8 9

Genetic Defects and IBEP Bulls

Currently, several genetic defects which have DNA tests are being tracked by breed associations. In the IBEP 2022 Summer Test, the status of bulls for defects was checked on the breed association web sites. The traits fall into three categories, which are handled differently by IBEP. Below are the traits, with their letter abbreviations and the breeds where they are found.

Lethal Defects - Bulls which are potential carriers must be tested free of the defect to be sale eligible. These include:

- AM = Arthrogryposis Multiplex, formerly called Curly Calf (Angus)
- CA = Contractural Arachnodactyly, formerly called Fawn Calf (Angus)
- MA = Alpha-Mannosidosis (Red Angus)
- MSUD = Maple Syrup Urine Disease (Hereford)
- NH = Neuropathic Hydrocephalus (Angus)
- OS = Osteopetrosis (Angus and Red Angus)
- PHA = Pulmonary Hypoplasia with Anasarca (Shorthorn and others)
- TH = Tibial Hemimelia (Shorthorn and others)
- MD (Mandibulofacial Dysostosis) in Herefords

Non-Lethal Defects - Bulls which are potential carriers must be tested, but carriers are sale eligible. These include:

- DD = Developmental Duplication (Angus)
- D2 = PRKG2 Mutation for Dwarfism (Angus)
- HY = Hypotrichosis (Hereford)
- IE = Ideopathic Epilepsy (Hereford)
- M1 = Myostatin nt821 Gene Deletion, also known as Double Muscling (Angus)

Color Defects or Information - IBEP does not track these, but if a bull is tested free, that information will show in the sale catalog. These include:

- CC = Coat Color - Red (Simmental)
- CCA = Coat Color - Wild Type (Simmental)
- DL = Dilutor (Hereford and Simmental)
- OH = Oculotaneous Hypo-pigmentation (Angus)
- HPS = Horns (Simmental)
- RD = Red allele (Angus)

The bull's information is listed below their registration number. An "F" after the defect abbreviation means that the bull was tested free; for example "NHF" means the bull was tested free of NH. A "C" after the defect abbreviation means that the bull was tested and is a carrier. If there is no notation for a defect, the bull is not a potential carrier.

Parentage: All sale bulls are parent verified to both sire and dam.

Genomic EPDs: All sale bulls have genomically enhanced EPDs

2022 ACROSS-BREED EPD TABLE AND IMPROVEMENTS

Larry Kuehn and Mark Thallman

Across-Breed EPD (ABEPD) Adjustment Factors: National Cattle Evaluation (NCE), and the resulting Expected Progeny Differences (EPDs), have resulted in substantial genetic change since their inception in the 1970s. However, EPDs are generally only comparable within breed because of differences in the genetic base. Since 1993, the U.S. Meat Animal Research Center (USMARC) has produced a table of factors to adjust the EPDs of cattle so that the merit of individuals can be compared across breeds. Adjustment factors for carcass traits have been calculated since 2009 and carcass weight was added in 2015; to be included, breeds must have carcass data in the U.S. Meat Animal Research Center (USMARC) database and report their carcass EPDs on an actual carcass basis using an age-adjusted endpoint.

Bulls of different breeds can be compared on the same EPD scale by adding the appropriate adjustment factor to the EPDs produced in the most recent genetic evaluations for each of the eighteen breeds. Normally, the EPDs of animals from different breeds cannot be compared because many breed associations compute their EPDs in separate analyses and each breed has a different base point. The across-breed adjustment factors allow producers to compare the EPDs for animals from different breeds for these traits; these factors reflect both the current breed difference (for animals born in 2020) and differences in the breed base point. The AB-EPDs are most useful to commercial producers purchasing bulls of more than one breed to use in cross-breeding programs. For example, in terminal cross-breeding systems, AB-EPDs can identify bulls in different breeds with high growth potential or favorable carcass characteristics.

The factors are derived by estimating breed differences from the USMARC germplasm evaluation program and adjusting these differences for the EPDs of the sires that were sampled in the system. The traits for which factors are estimated are birth weight, weaning weight, yearling weight, maternal weaning weight (milk), marbling score, ribeye area, backfat depth (fat), and carcass weight (Table 1). These factors adjust the EPDs to an Angus base (chosen arbitrarily).

As an example, suppose a Red Angus bull has a yearling weight EPD of + 90.0 lb and a Hereford bull has a yearling weight EPD of + 92.0 lb. The across-breed adjustment factors for yearling weight (see Table 1) are -28.5 lb for Red Angus and -41.8 lb for Hereford. The AB-

EPD is $90.0 \text{ lb} - 28.5 \text{ lb} = 61.5 \text{ lb}$ for the Red Angus bull and $92.0 \text{ lb} - 41.8 = 50.2 \text{ lb}$ for the Hereford bull. The expected weaning weight difference of offspring when both are mated to cows of another breed (e.g., Braunvieh) would be $61.5 \text{ lb} - 50.2 \text{ lb} = 11.3 \text{ lb}$.

Brahman EPDs for marbling score are reported on a different scale than the other breeds with marbling score EPDs. For Brahman $400 = S1^{00}$ and $500 = S_m^{00}$ whereas for the other breeds, $4.00 = S1^{00}$ and $5.00 = S_m^{00}$ meaning the Brahman EPDs are reported on a scale that is 100 times higher. As a result, EPDs from other breeds need to be multiplied by 100 after being adjusted to Brahman, and Brahman EPDs need to be divided by 100 prior to applying the adjustment factors. For instance, to adjust a Simmental bull with a marbling score EPD of 0.15 to compare to Brahman bulls using the factors from Table 1, add the Simmental factor, subtract the Brahman factor, and then multiply by 100: $(0.15 + (-0.15) - (-0.68)) * 100 = 68$. Similarly, to adjust a Brahman bull with a marbling score EPD of 40 in order to compare to Simmental bulls using the same factors, first divide by 100, then add the Brahman factor, and subtract the Simmental factor: $40 / 100 + (-0.68) - (-0.15) = -0.13$.

It is important to note that the table factors (Table 1) do not represent a direct comparison among the different breeds because of base differences between the breeds. They should only be used to compare the EPDs (AB-EPDs) of animals in different breeds. To reduce confusion, breed of sire means (i.e., one half of full breed effect; breed of sire means predict differences when bulls from two different breeds are mated to cows of a third, unrelated breed) for animals born in 2020 under conditions similar to USMARC are presented in Table 2.

The adjustment factors in Table 1 were updated using EPDs from the most recent national cattle evaluations conducted by each of the eighteen breed associations (current as of January 2022). The breed differences used to calculate the factors are based on comparisons of progeny of sires from each of these breeds in the Germplasm Evaluation Program at USMARC in Clay Center, Nebraska. These analyses were conducted by USMARC geneticists Larry Kuehn (email: Larry.Kuehn@ars.usda.gov; ph: 402-762-4352) and Mark Thallman (email: Mark.Thallman@ars.usda.gov; ph: 402-762-4261).

Future Release of ABEPD Factors: Following a BIF working group recommendation, these factors are released near the beginning of each year to facilitate the use of these tools during

spring bull buying. Additional updates may be released throughout the year, particularly if breeds are aware of significant changes to their evaluations, such as base adjustments. The most current version of the factors will always be reported on the BIF website (www.beefimprovement.org).

*Mention of trade names or commercial products in this publication is solely for the purpose of providing specific information and does not imply recommendation or endorsement by the USDA. The USDA is an equal opportunity employer

TABLE 1: JANUARY 2022 ADJUSTMENT FACTORS TO ADD TO EPDs OF EIGHTEEN DIFFERENT BREEDS TO ESTIMATE ACROSS BREED EPDs

Breed	Birth Wt. (lb)	Weaning Wt. (lb)	Yearling Wt. (lb)	Maternal Milk (lb)	Marbling Score ^a	Ribeye Area (in ²)	Fat (in)	Carcass Wt. (lb)
Angus	0.0	0.0	0.0	0.0	0.00	0.00	0.000	0.0
Hereford	1.0	-14.4	-41.8	-11.3	-0.34	0.04	-0.076	-70.8
Red Angus	2.3	-19.2	-28.5	1.4	-0.09	0.27	-0.038	-10.0
Shorthorn	3.6	-22.3	-37.8	-3.9	-0.13	0.29	-0.042	-7.3
South Devon	3.4	-33.9	-66.7	7.5	-0.06	0.45	-0.066	-12.2
Beefmaster	3.7	25.8	7.1	3.6				
Brahman	9.0	60.2	24.0	12.4	-0.68	0.13	-0.153	-34.7
Brangus	2.6	17.4	12.5	15.1				
Santa Gertrudis	4.8	42.7	39.6	16.8	-0.46	0.20	-0.075	-4.6
Braunvieh	3.9	-17.6	-35.9	21.8	-0.13	0.99	-0.034	-16.3
Charolais	6.4	5.5	-23.9	-1.8	-0.32	0.79	-0.197	4.1
Chiangus	2.4	-22.2	-41.7	3.5	-0.43	0.52	-0.117	-25.8
Gelbvieh	3.3	-8.5	-18.0	5.1	-0.55	0.82	-0.119	-14.8
Limousin	1.7	-8.1	-31.4	-4.7	-0.28	0.67	-0.071	-10.0
Maine-Anjou	1.9	-25.9	-53.4	-9.4	-0.51	1.02	-0.170	-31.9
Salers	2.1	-15.4	-28.0	8.1	-0.18	0.55	-0.086	-18.5
Simmental	1.9	-13.0	-25.7	-2.3	-0.15	0.50	-0.066	-5.3
Tarentaise	2.2	29.2	-6.5	9.9				

^aMarbling score units: 4.00 = SI⁰⁰; 5.00 = Sm⁰⁰. Note that Brahman EPDs for marbling are reported on a scale where 400 = SI⁰⁰ and 500 = Sm⁰⁰. When converting sires from other breeds to a Brahman basis, the adjusted EPD should be multiplied by 100. Likewise, when Brahman EPDs are adjusted to other breeds, the EPD should be divided by 100 before adding the adjustment factor.

**TABLE 2: BREED OF SIRE MEANS FOR 2020 BORN ANIMALS
UNDER CONDITIONS SIMILAR TO USMARC**

Breed	Birth Wt. (lb)	Weaning Wt. (lb)	Yearling Wt. (lb)	Maternal Milk (lb)	Marbling Score ^a	Ribeye Area (in ²)	Fat (in)	Carcass Wt. (lb)
Angus	84.7	539.2	978.6	521.1	6.19	13.71	0.663	920.8
Hereford	87.2	517.2	914.7	508.9	5.31	13.50	0.590	868.7
Red Angus	83.9	518.6	937.5	521.6	5.87	13.47	0.631	885.5
Shorthorn	89.0	500.9	901.9	514.2	5.45	13.71	0.529	867.5
South Devon	88.2	506.0	893.5	518.1	5.29	13.90	0.493	850.6
Beefmaster	87.4	528.2	920.1	507.8				
Brahman	94.4	557.4	928.7	513.5	4.86	13.49	0.509	859.3
Brangus	87.1	520.8	929.7	519.0				
Santa Gertrudis	88.4	528.2	920.7	512.3	5.11	13.32	0.579	873.2
Braunvieh	88.2	511.7	902.7	528.8	5.49	14.47	0.487	853.4
Charolais	89.5	540.8	950.2	515.8	5.34	14.57	0.463	898.1
Chiangus	87.9	507.0	907.0	512.6	5.46	14.01	0.524	872.9
Gelbvieh	86.5	537.8	955.6	520.2	5.30	14.42	0.522	890.0
Limousin	85.5	530.1	926.2	512.3	5.39	14.52	0.531	892.8
Maine-Anjou	86.3	496.8	876.9	503.8	5.17	14.40	0.454	855.4
Salers	85.9	517.9	916.8	518.7	5.17	14.39	0.475	861.1
Simmental	87.1	542.0	959.1	516.1	5.50	14.45	0.501	897.5
Tarentaise	86.2	523.1	892.1	505.7				

^aMarbling score units: 4.00 = SI⁰⁰; 5.00 = Sm⁰⁰

IBEP HALL OF FAME

Highest Performance-Indexing Sale Eligible Individual (12,463 Tested)

<i>Test</i>	<i>Breed (%)</i>	<i>ADG</i>	<i>WPDA</i>	<i>Perf. Index</i>	<i>Owner & Address</i>
90	SimAngus	4.16	3.37	123.8	Neal Brothers Simmentals – Bicknell, IN
89	Angus	4.46	3.57	118.9	Melvin Riggs & Family - Martinsville, IN
88	Angus	3.58	3.61	115.2	Jay & Jennifer Alcorn - Greencastle, IN
87	Angus	4.66	3.45	120.2	Voogt Farms - Marne, MI
86	Angus	3.58	3.57	120.4	Halls Angus - Eddyville, IL
85	Angus	4.82	3.49	124.1	Infinity Cattle Company LLC, Ferdinand
84	Angus	3.79	3.32	120.1	Halls Angus - Eddyville, IL
83	Angus	5.08	3.54	131.4	Rolling Acres Angus – Freetown, IN
82	SimAngus	3.92	2.95	119.2	Fairfield Farms - Cox's Creek, KY
81	Angus	4.72	3.96	121.7	Bill Washburn - Olney, IL
80	Simmental	4.92	3.89	130.0	B&K Cattle - Crandon, WI
79	Angus	5.50	3.51	127.7	Dan Stewart – Yorktown, IN
78	Angus	4.56	3.81	119.5	Willer Timber Ridge - Greencastle, IN
77	Simmental	4.93	4.09	126.1	Eggersman Brothers - Brownstown

Highest Sale-Indexing Bull

<i>Test</i>	<i>Breed (%)</i>	<i>ADG</i>	<i>WPDA</i>	<i>Sale Index</i>	<i>Owner & Address</i>
90	Hereford	3.11	3.35	93.3/100	Greives Herefords – West Lafayette, IN
89	Angus	4.27	3.69	92.5/100	Snider-Clayton Farm - Goshen, IN
88	Angus	3.58	3.61	91.3/100	Jay & Jennifer Alcorn - Greencastle, IN
87	Angus	4.34	3.31	92.8/100	KB Angus - Merritt, MI
86	Angus	3.58	3.57	81.0/100	Halls Angus - Eddyville, IL
85	Angus	4.26	3.37	90.8/100	Stewart Select Angus LLC – Greensburg, IN
84	Hereford	2.88	2.95	88.3/100	Greives Herefords - West Lafayette, IN
83	Angus	4.13	3.34	86.8/100	KB Angus - Merritt, MI
82	Angus	3.92	3.42	96.3/100	Halls Angus Farm - Eddyville, IL
81	SimAngus	5.02	3.85	95.8/100	Neal Brothers Simmentals – Bicknell, IN
80	Angus	4.21	3.53	81.8/100	Kiata Farms - Hamilton, OH
79	Angus	4.77	3.76	91.0/100	Kiata Farms - Hamilton, OH
78	Angus	3.77	3.69	63/70	Kiata Farms - Hamilton, OH
77	Angus	4.86	3.81	60/70	Kohli Farms - Circleville, OH
76	Angus	4.19	3.56	69/70	Powell Farms - Worthington

IBEP HALL OF FAME
Highest-Indexing Get-of-Sire (1,374 Tested)

<i>Test</i>	<i>Breed</i>	<i>ADG</i>	<i>WPDA</i>	<i>Perf. Index</i>	<i>Owner & Address</i>
90	SimAngus Sire: WBF Iron Clad E053	3.63	3.21	111.6	Neal Brothers Simmentals - Bicknel, IN
89	Angus Sire: S A V Raindance 6848	3.91	3.49	108.8	Brown Family Farms - Rockville, IN
88	Angus Sire: KB-Beasetmode of B0101 F52	3.42	3.07	105.2	Underwood Angus Farms, North Manchester - IN
87	Angus Sire: Jindra Acclaim	4.28	3.26	111.8	Eagle River Angus - Princeville, IL
86	Angus Sire: KCF Bennett Fortress	3.24	3.30	109.8	Bennett Angus - Eddyville, IL and Halls Angus - Eddyville, IL
85	Angus Sire: SS Niagara Z29	4.45	3.33	116.1	Underwood Angus Farms - North Manchester, IN
84	Angus Sire: Baldrige 38 Special	3.55	3.12	112.4	Mickey Angus - Pana, IL
83	Angus Sire: SAV Pedigree 4834	4.17	3.12	110.6	Wynn's Angus Farm - Ashland, OH
82	Angus Sire: GAR Sure Fire	3.27	2.83	97.9	Keene Farms - Harrisburg, IL
81	Angus Sire: SS Niagara C2	4.13	3.61	108.1	Rolling Acres Angus - Freetown, IN
80	Angus Sire: RB Tour of Duty 177	3.99	3.21	104.5	Dolph Angus, Walkerton and Snider-Clayton Farm - Goshen, IN
79	Angus Sire: SS Niagara Z29	4.53	3.68	114.7	Rolling Acres Angus, Freetown Snider-Clayton Farms, Goshen and Underwood Angus Farms, N. Manchester, IN
78	Angus Sire: Home Acres CC&7 7118	4.52	3.01	109.0	Home Acres Farm Inc., Lebanon, OH
77	Angus Sire: SS Niagara Z29	4.71	3.80	113.7	Stewart Select Angus - Greensburg, IN
76	Angus Sire: Deer Valley All In	3.89	3.48	106.4	Brown Family Farms - Norman and Kiata Farms, Hamilton, OH
75	Angus Sire: SS Niagara Z29	4.71	3.69	115.0	Stewart Select Angus - Greensburg, IN
74	Angus Sire: Home Acres CC&7 7118	4.58	3.26	108.4	Home Acres Farm Inc., - Lebanon, OH
73	Angus Sire: Connealy Confidence 0100	4.86	3.63	122.3	Bill Washburn - Olney, IL
72	SimAngus Sire: ALC Big Eye D09N	4.61	3.91	116.1	Saxe Farm, Thompsonville, IL

Notes

Board of Directors for the Indiana Beef Evaluation Program (IBEP)

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