

86th Indiana Beef Evaluation Program
Performance Tested

BULL SALE

Angus, Charolais, Hereford,
Red Angus, and SimAngus

Held in conjunction with

SPRINGVILLE FEEDER AUCTION ASSOCIATION HEIFER AND COW SALE

Saturday, October 17, 2020
Bulls sell starting at 2:00 p.m.
Females will sell immediately following

Springville Feeder Auction
10 miles northwest of Bedford, Indiana
on State Road 54-58

Sale will be broadcast on CattleUSA.com

SPONSORED BY:



Indiana Beef Evaluation Program
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Welcome

Welcome to the 86th Indiana Beef Evaluation Program (IBEP) sale.

During the past 43 years, 11,887 bulls and 1,309 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 85 sales, 6,121 bulls have been sold to buyers in 21 states. Ninety percent have been purchased by Indiana producers, 8% by producers in bordering states, and the remainder by producers from sixteen other states.

The IBEP appreciates the opportunity to work closely with seedstock and commercial beef producers in identifying potential herd bulls with superior genetics for production and maternal traits and for carcass merit, and to assist in making those genetics available to the beef cattle industry.

The 18 head offered for sale represent the top-indexing bulls of their breed, and have passed a rigorous evaluation for disposition and structural and breeding soundness. A total of 32 bulls consigned by 14 different seedstock producers from Indiana and Illinois participated in this test. All bulls were measured by a certified CUP technician using ultrasound to evaluate carcass merit. EPD's for production and maternal traits as well as for carcass traits are included. In addition, most breeds have added multi-trait \$ Indexes to assist producers in evaluating potential herd sires. All bulls have been parentage verified to both parents.

We feel that with the information gathered and provided on these bulls, both seedstock and commercial producers can make sound decisions in the area of beef improvement, value, and profitability.

We look forward to a successful sale, and hope you find something that fulfills your needs and will add value to your herd.

Sincerely,

IBEP Board of Directors

Table of Contents

Welcome	2
Sale Day: COVID-19 Details and Bidding on Sale Bulls.....	4
Recommendations for Livestock Sales During COVID-19.....	5
Rules and Regulations.....	6
Interpreting Performance Information of IBEP Bulls.....	7
Soundness and Foot Score Evaluations	10
Genetic Defects and IBEP Bulls.....	11
EPDs and \$ Indexes	12
Breed Association “Branding”	16
Owners of Sale Bulls - Contact Information.....	17
Listing of Sale Bulls - Performance.....	18
Sale Bulls - Catalog Listings.....	19
IBEP Hall of Fame	
Highest Performance Indexing Sale Eligible Individual and Highest Sale Indexing Individual	25
Highest Indexing Get-of-Sire.....	26
List of Bulls in Order by Breed and Ear Tag.....	27
IBEP Officers, Board of Directors, and Other Personnel	28

An explanation of Sale Order can be found on page 9.

Sale Day: COVID-19 Details and Bidding on Sale Bulls

COVID-19 Details

While most of us had hoped that COVID-19 would be yesterday's news by now, that is unfortunately not the case. Safety measures must still be implemented.

In all sincerity, we ask that **ONLY** individuals seriously interested in active bidding, attend the sale in person. For viewing and bidding purposes, the sale will be broadcast live on CattleUSA.com.

If you choose to attend in person, you will be **required** to wear a face covering at all times while in the Springville Feeder Auction Association facility. We respectfully ask that you social distance to the best of your ability. Also, we respectfully ask for your patience and cooperation in the sale and settlement office as the number of individuals in the office at one time will be limited.

Please take a moment and review the information on the next page entitled "*Recommendations for Livestock Sales During COVID-19.*"

Options for Bidding at the 86th IBEP Bull Sale

- Attend in person
- Bid on CattleUSA.com
- Place a designated bid amount on a specific bull prior to Sale Day

For designated bid amounts, contact Nick Minton at 812-279-4330 or 812-797-7944.

Please note that cell phone service is limited at the Springville Feeder Auction Association facility. Their phone number is 812-279-1282.

Viewing and Bidding on CattleUSA.com

The 86th 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 *Frequently Asked Questions*, are 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.

IBEP will grant approval to receive bids from CattleUSA.com. Therefore, upon IBEP receiving a bidder approval request from CattleUSA.com, IBEP will contact you to confirm you have requested approval to place a bid via CattleUSA.com before granting bidder approval. If you experience difficulties in receiving bidder approval, please contact Nick Minton at 812-279-4330 or 812-797-7944.

We recommend registering with CattleUSA.com to view or bid by **Friday, October 16, 2020**. Every attempt will be made to complete your application, even if it is on the day of the sale.

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

If you purchase bulls:

- Bulls must be picked up on October 17, 2020 from the Springville Feeder Auction Association. Payment is required when bulls are picked up, unless arrangements have been made with Nick Minton before 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. Make checks payable to **Indiana Beef Evaluation Program** or **IBEP**.
- Arrangements for payment can be made by contacting IBEP at 812-279-4330 or 812-797-7944 prior to the sale.

Recommendations for Livestock Sales During COVID-19

Last Updated: March 24, 2020

For Those Hosting Sales

- ✓ restrict general public access
- ✓ **limit attendance to a maximum of current local, state, and federal guidelines**
- ✓ consider online photos and videos as an alternative to in-person viewing
- ✓ make animals available for viewing by only “small” groups prior to the sale
- ✓ do not shake hands, and maintain a social distance of at least 6 feet
- ✓ restrict access to “pets” that could be coughed on and touched by multiple hands
- ✓ make online, or phone bidding available where possible
- ✓ provide information to employees on COVID-19
- ✓ provide hand sanitizer in common areas
- ✓ provide space for hand washing
- ✓ consider not providing food; if food is provided, consider individual packages and serving to avoid surfaces being touched by multiple hands
- ✓ frequently sanitize workstations and eating areas, including special attention to telephones, computer keyboards, calculators, desks, photocopiers, counters and common areas shared by more than one person on a regular basis
- ✓ avoid check-out/payment line congestion areas

For Those Purchasing Livestock and Attending Sales

- ✓ where possible only view animals in “small” groups ahead of the sale
- ✓ consider online photos and video as an alternative to in-person viewing
- ✓ utilize sale manager, auctioneer, ringmen and consultants to help with purchase
- ✓ allow only one person per farm operation to attend
- ✓ do not attend sales without a serious intent to purchase
- ✓ do not attend a sale if you are sick (even mild symptoms), or have been exposed to anyone sick, and/or positive for COVID-19 in the last 2 weeks
- ✓ do not shake hands, maintain at least 6 feet social distance
- ✓ do not take your dog/cat that could be coughed on and touched by multiple hands
- ✓ consider online bidding, and sign up for online platforms ahead of time
- ✓ consider phone bidding, call ahead to make arrangements with sales staff
- ✓ avoid check-out/payment line congestion areas
- ✓ wash hands thoroughly and frequently

This is not an exhaustive list, and businesses should stay up-to-date on their local, state, and the federal government recommendations and requirements. By working together, with good preparation, we can keep our families, customers and employees safe, while also providing stability within the U.S. beef supply chain.

This document was originally developed by the Livestock Markets Association of Canada, Canadian Beef Breeds Council and Canadian Cattlemen’s Association, and then adapted and approved by the Indiana Board of Animal Health, Purdue Veterinary Medicine, Purdue Animal Sciences, and the Indiana Beef Cattle Association.

Rules and Regulations

Rules for this 86th performance test and sale were the responsibility of the IBEP Board of Directors. This performance test was conducted at the Feldun-Purdue Ag Center at Bedford. Bulls were fed a total mixed ration once daily. The main diet ingredients included grass hay, whole shell corn, soyhulls, corn gluten feed, and a trace-mineral and vitamin supplement. The diet was formulated and fed in a manner that allowed bulls to achieve moderate levels of growth to display differences in genetic potential for bodyweight gain and carcass merit. Dietary energy levels were 0.44 mcal/lb NEg and 0.71 mcal/lb NEm. Bulls were delivered May 5, began test May 19 and ended test September 21. Bulls must have met the following requirements:

GENERAL:

- Born May 1 through October 31, 2019.
- Be from herd participating in official breed or state on-farm performance testing program.

PERFORMANCE:

- Have recorded birth weight and official adj. 205-day data, plus EPDs for birth weight, weaning weight, and maternal milk.
- Have parentage verified to both parents.
- Weigh at least 450 lbs. and 2.25 lbs. per day of age on delivery at Station.

HEALTH:

- Tested at delivery and are negative for persistent BVD infection.
- Dam or birth mother tested negative for Johne's Disease.
- Vaccinated against the following diseases between 2 months and 3 weeks prior to delivery: Leptospirosis, IBR, BVD, PI3, BRSV, haemophilus somnus, pasteurilla, and clostridial organisms (7-way vaccine for blackleg, malignant edema, overeating disease, etc.).
- Negative to tuberculosis and brucellosis tests within 30 days of sale.
- Have an official health certificate both at time of delivery and at this sale.
- Official Certificates of Veterinary Inspection will be furnished to buyers.

SOUNDNESS:

- Pass inspection by a screening committee for: health, structural soundness and disposition.
- Pass a breeding soundness test including a physical exam, semen evaluation and adjusted scrotal circumference.

BREEDING GUARANTEE: All bulls were examined for semen quality and breeding soundness on September 24, and were classified as satisfactory potential breeders. Any guarantee or terms and conditions endorsed by respective breed associations is between buyer and seller. 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.

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.

FLOOR PRICE: Bulls will be sold at a minimum of \$2,000 each; the IBEP board reserves the right to adjust the floor price based on changes in market prices between the printing of the catalog and the sale date. Those bulls not reaching the floor price remain the consignor's property and may not be sold on the sale premises at private treaty.

TERMS: The terms of the sale are strictly cash. Make checks payable to: Indiana Beef Evaluation Program (IBEP).

HANDLING: All bulls are seller's risk until sold and buyer's risk as soon as sold. If not convenient for the buyer to remove his bull(s) the day of the sale, bulls will be cared for until 12:00 Noon, October 19, 2020, but at the buyer's risk of injury or loss. All bulls must be paid for or prior arrangements made before being released and loaded. Bulls must be removed by 12 Noon, Monday, October 19.

REGISTRY 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.

LIABILITY: All persons attending the sale do so at their own risk. Neither the Indiana Beef Evaluation Program, Purdue University, nor any person connected with the sale will assume any liability, legal or otherwise in case of accidents.

ANNOUNCEMENTS: Any changes from information in the catalog will take precedence.

AUCTIONEER: Mike Berger, 408 King Rd., Bremen, IN 46506, phone 574-784-3800.

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*						
Docity	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 (May 19, 2020) and at the end of the performance test (September 21, 2020).

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 September 21. 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 September 21 and was used along with the age of the bull on September 21 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 (BMIS), Brahman Influence Index (BIIS), and Certified Hereford Beef Index (CHBS).

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

Red Angus indexes are 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.

HOW SALE ORDER IS DETERMINED

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

Sale Index is a weighted sum of the number of *'s for six of these traits: 30% ADG, 20% WPDA, 7.5% IMF, 7.5% REA/cwt, 20% Direct Calving Ease EPD, and 15% Weaning Weight EPD (Birth Weight EPD will be used if the bull does not have an EPD for Direct Calving Ease). The maximum Sale Index for a bull is 100.0.

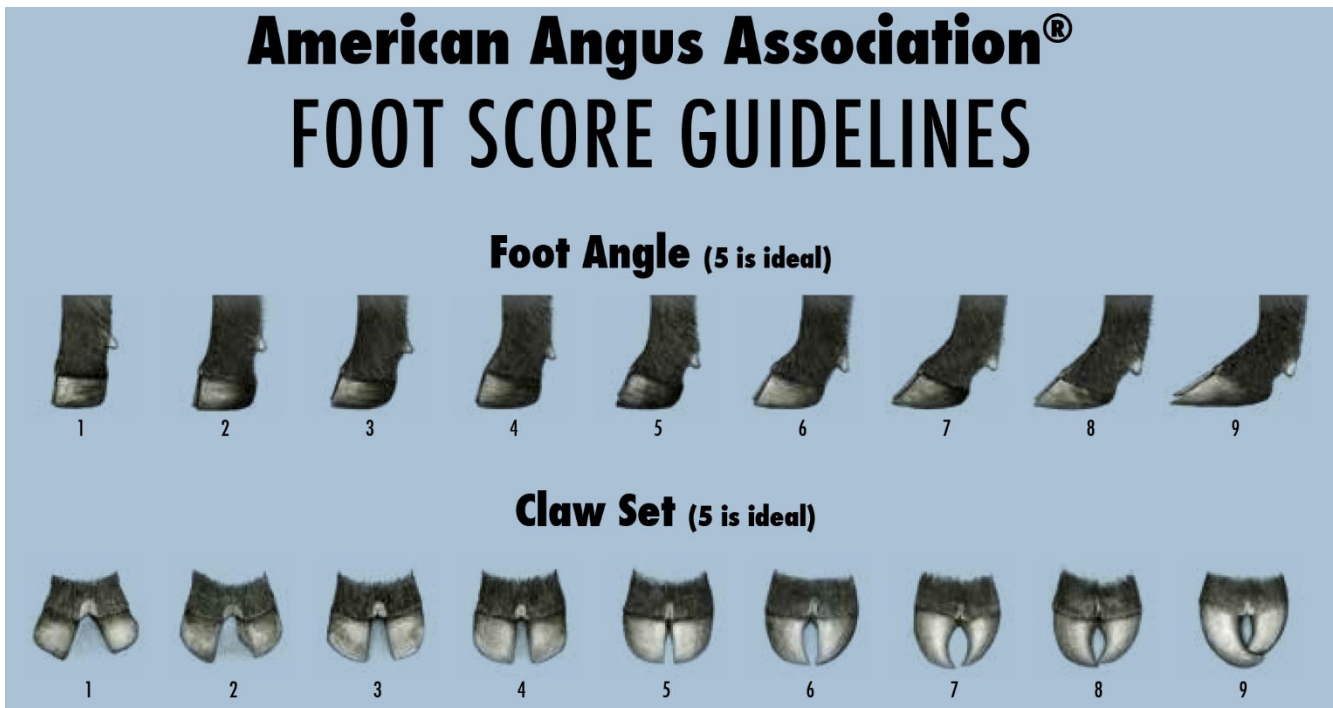
Sale Order is determined by Sale Index. A bull with a Sale Index of 100.0 would sell first. If two bulls have the same Sale Index, sale order for these bulls will be based on their Performance Index.

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”.

The structural soundness committee consisted of five members for the 2020 Summer Test evaluation. As a committee, they discussed each bull and came to an agreement on the foot angle and claw set score for each bull.

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



Genetic Defects and IBEP Bulls

Currently, several genetic defects which have DNA tests are being tracked by breed associations. In the IBEP 2020 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 Hemimilia (Shorthorn and others)

MD (Mandibulofacial Dysostosis) in Herefords did not have a DNA test available in time for bulls to be tested; however, pedigrees of Hereford bulls did not show potential carriers of MD.

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:

- DL = Dilutor (Hereford and Simmental)
- OH = Oculotaneous Hypo-pigmentation (Angus)
- 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. If there is no notation for a defect, the bull is not a potential carrier.

All bulls in the IBEP sale are AMF, CAF, DDF, MAF, MSUDF, NHF, OSF, PHAF, THF, D2F, HYF, IEF, or M1F, or have no carrier ancestors for those defects.

Genomic Tests: If a bull has had a genomic test, the EPDs section will say "Genomic EPDs". Also, a logo will show below the owner's name to designate that the bull has genomic EPDs.

Parentage Tests: All sale bulls are required to be verified to both parents. This information will appear below the registration number, with the statement "Verified to Sire and Dam".

EPDs and \$ Indexes

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

Development of animal breeding models and advances in computer technology have provided beef producers with selection tools which allow animals within a breed to be compared for their genetic merit. These selection tools are Expected Progeny Difference (EPD) for individual traits, and \$ Indexes which combine several EPDs into one economic value. Individual beef breed associations conduct National Cattle Evaluations (NCE) once or twice each year. The NCE combine individual records with pedigree and progeny data to calculate EPDs. Interim EPDs are calculated for young animals whose records are processed between the times of the NCE.

The difference in EPD of two bulls is the difference in expected progeny performance of their progeny, if the bulls are mated to similar cows and their progeny are in similar management and environmental conditions. EPDs are expressed in the same units as the trait. For example, Birth Weight, Weaning Weight, and Yearling Weight EPDs are in pounds, while Carcass Fat EPD is in inches. The sign of the EPD indicates direction; positive means larger (heavier weights), and negative (-) means smaller (lighter weights). Which direction is “good” depends on the trait. Positive EPDs would be good for weaning weight but may be bad for birth weight. EPDs are valid only for comparing bulls of the same breed. Do not compare EPDs of bulls in different breeds. (There is one exception. The Simmental, Red Angus, Chianina, Maine Anjou and Gelbvieh associations combine their data in one multi-breed evaluation. Therefore, EPDs from those breeds, including SimAngus and Gelbvieh Balancer, can be directly compared.)

Growth and Maternal Traits

- Birth Weight, in pounds, predicts the weight at birth of the bull’s progeny compared to progeny of other bulls. A bull with an EPD of -1 is expected to have progeny which average 3 lb lighter than progeny of a bull with an EPD of +2.
- Weaning Weight, in pounds, is a measure of the weaning growth of the bull’s progeny. Higher EPDs mean heavier calf weights.
- Yearling Weight, in pounds. Higher EPDs mean heavier weights for the bull’s progeny.
- Maternal Milk, in pounds, is measured by the weaning weight of the calves. It predicts the milking and mothering ability of the bull’s daughters, expressed as her calf’s weaning weight. Higher EPDs mean heavier calf weights due to the daughter’s milking and mothering ability.
- Direct Calving Ease is a measure of the ease with which a bull’s calves are born to first calf heifers. Higher EPDs mean fewer assisted births.
- Maternal or Daughters’ Calving Ease is a measure of the ease with which a bull’s daughters calve as first-calf heifers. Higher EPDs mean fewer assisted births.
- Docility is a measure of the temperament or disposition of the bull’s progeny. Higher EPDs mean more favorable docility.

Carcass Traits

Carcass traits may be measured at slaughter, or measured on live animals using ultrasound. Many breeds report EPDs for carcass traits, using one type of measurement or a combination of both. All measure the expected performance of the bull’s progeny. Different breeds calculate EPDs for different traits. Most breeds use a constant age endpoint for carcass data; however, Gelbvieh use a constant fat endpoint. Some breeds update interim EPDs after the bulls are scanned during the test.

- Carcass Weight, in pounds. Higher EPDs mean heavier weights of the bull's progeny.
- Marbling is a measure of the marbling score of a bull's progeny. It is a subjective measure of % intramuscular fat. Higher EPDs mean higher marbling scores.
- Fat Thickness, in inches, measures the fat thickness at the 12th rib of the bull's progeny. Higher EPDs mean greater fat thickness.
- Ribeye Area, in square inches. Higher EPDs mean a larger ribeye area of the bull's progeny.
- Yield Grade is a measure of the relative proportion of closely trimmed, boneless retail cuts from the bull's progeny. Higher EPDs mean higher yield grades, and thus a lower proportion of retail cuts.
- Percent Retail Cuts is a measure of the percentage of closely trimmed, boneless retail cuts from the bull's progeny. Higher EPDs mean a higher percentage of retail cuts.

\$ Indexes

These are multi-trait selection indexes, which 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 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, Charolais, Gelbvieh, Hereford, Limousin, Red Angus, Shorthorn, Simmental, and SimAngus bulls.

- Angus \$M is Maternal Weaned Calf Value. This is the expected value of future progeny due to genetics from conception to weaning. It has the objective that commercial cattlemen replace breeding females with heifers from their herd, and remaining female and male progeny are sold as feeder calves.
- Angus \$W is Weaned Calf Value. This is the expected average of future progeny for preweaning performance, within a typical beef cowherd. It accounts for the economic impact of birth weight, weaning weight, maternal milk, and mature cow size.
- Angus \$F is Feedlot Value. This is the expected average of future progeny for postweaning feedlot performance.
- Angus \$G is Grid Value. This is the expected average of future progeny for carcass grid merit. It assumes cattle are marketed on a carcass grid, so it focuses on both quality grade and yield grade.
- Angus \$B is Beef Value. This is the expected average of future progeny for postweaning performance and carcass value. The \$B value combines information from \$F and \$G.
- Angus \$C is Combined Value. This combines maternal (\$M) and terminal (\$B) indexes. It has the objective that commercial cattlemen replace breeding females with heifers from their herd, and remaining female and male progeny are sold on quality-based carcass merit grid.
- Charolais TSI is Terminal Sire Index. It is the expected profit potential of terminal progeny. It incorporates growth and carcass EPDs.
- Gelbvieh \$Cow is the value of an animal when retained as a replacement female. It includes maternal productivity, but also considers her future progeny's feedlot and carcass value.
- Gelbvieh EPI is Efficiency Profit Index. It aids producers in selecting for feed efficient cattle with acceptable amounts of gain.

- Gelbvieh FPI is Feeder Profit Index. This is the expected performance of progeny in the feedlot and sold on a grade and yield standpoint. It is a terminal index, including growth and carcass traits.
- Hereford BMI\$ is Baldy Maternal Index. This is the expected average performance of progeny of Hereford bulls used in rotational crossbreeding programs on Angus-based cows and heifers, with the progeny marketed on a Certified Hereford Beef LLC pricing grid.
- Hereford BII\$ is Brahman Influence Index. This is similar to BMI\$, except that the bulls are mated to Brahman-influenced cows, and progeny are marketed on a commodity-based program. It puts more emphasis on cow fertility and longevity.
- Hereford CHB\$ is Certified Hereford Beef Index. This is the expected average performance of progeny of Hereford bulls mated to mature commercial Angus cows, with all progeny sold as fed cattle on a Certified Hereford Beef LLC pricing grid. It is a terminal sire index, including growth and carcass information only, since all progeny are marketed and no females are retained in the herd.
- Limousin \$MTI is Mainstream Terminal Index. This is the expected average profit per carcass of progeny of Limousin bulls mated to British-cross cows, with all calves placed in the feedlot and sold on a mainstream grid. It is a terminal sire index, including growth and carcass information only, since all calves are marketed and no females are retained in the herd.
- Red Angus HB is HerdBuilder Index. This is the expected average performance of progeny where replacement heifers are retained in the herd and all remaining progeny are sold on a quality-based carcass grid.
- Red Angus GM is GridMaster Index. This is the expected average performance of progeny which are all put on feed and sold on a quality-based carcass grid.
- Shorthorn \$CEZ is Calving Ease Direct. This index assumes a bull will only be mated to heifers. It is the expected average performance of progeny for profitability, which is measured by the incidence of live calves at birth.
- Shorthorn \$BMI is British Maternal Index. This is the expected average performance of progeny of Shorthorn bulls when mated to a British cow base. It has a balance of growth and carcass traits, with a strong maternal component.
- Shorthorn \$F is Feedlot. This is the expected average performance of progeny when sold on the fed market. It has a strong emphasis on growth and carcass traits.
- Simmental and SimAngus API is All-Purpose Index. This is the expected average performance of progeny of Simmental bulls used on the entire Angus cowherd, with a portion of the daughters being retained for breeding and the remaining progeny being put on feed and sold grade and yield.
- Simmental and SimAngus TI is Terminal Index. This is the expected average performance of progeny of Simmental bulls mated to mature Angus cows, with all offspring placed in the feedlot and sold grade and yield. It includes growth and carcass information only, since all progeny are marketed.

Accuracy

Most EPDs are reported with an Accuracy (ACC) value, which ranges from 0 to 1. It is a measure of the reliability of the EPD. EPDs will change and become more accurate as additional data on the bull and his relatives are processed by the breed association. For most yearling bulls, ACC is low, because they have not sired any progeny; however, genomic testing will increase the accuracy of the EPDs. Some breeds report the accuracy of these EPDs as BK, I, P, P+, or PE. These indicate that the EPD is based on pedigree data, or is an interim EPD based on pedigree data and the bull's own performance.

Percentile Tables

Average EPDs for most traits are not zero. The actual average will be different for each breed. Percentile tables must be used to determine where a bull's EPDs and indexes rank within the breed. EPDs and \$ Indexes for the bulls in the IBEP test should be compared to percentiles for non-parent bulls of the same breed. Look up the bull's EPD in the table to determine where he ranks in his breed. For example, an Angus bull with a Yearling Weight EPD of +110 lb. is in the top 30% of Angus non-parent bulls. An Angus bull with a Birth Weight EPD of +1.0 lb. is in the top 45%. Remember that for most traits, a positive EPD is desirable. However, for Birth Weight, Carcass Fat, and Yield Grade, a negative EPD is desirable.

The EPDs and \$ Indexes in the sale catalog are reported with the bull's percentile ranking in *'s. These are in 10% groups. An EPD with *10* is in the top 1-10% of the non-parent bulls of the breed, *9* is 11-20%, and so on; *2* is 81-90%, and *1* is 91-100% or the bottom 10%.

Percentile tables provided by the breed associations for breeds in the current IBEP test are available on our web site, <https://ag.purdue.edu/ansc/ibep/>. (Although Simmental, Red Angus, Chianina, Maine Anjou and Gelbvieh association EPDs can be directly compared, percentile tables will be different for each breed.)

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:



Owners of Sale Bulls - Contact Information

Bennett Angus

Carol D. Bennett
6 Hall Rd.
Eddyville, IL 62928
618-759-1046

Clear Water Simmentals

Jeff & Leah Meinders
3687 N 500 E
Milan, IN 47031
812-654-2030

Craig Livestock

Trevor Craig
398 Art Gallery Rd.
Bedford, IN 47421-8189
812-583-5000

Dolph Angus

Dennis Dolph
69130 Willow Rd.
Walkerton, IN 46574
574-274-8941

Halls Angus

James Hall
7 Hall Road
Eddyville, IL 62928
618-672-4304

Mickey Angus

Tanner Mickey
713 Okey St.
Pana, IL 62557
217-825-6832

Neal Brothers Simmentals

Joe Neal
4812 N. Neal Rd.
Bicknell, IN 47512
812-881-9381

Saxe Farm

Tom Saxe
20457 Neal Davis Rd.
Thompsonville, IL 62890
618-627-2243

Walnut Creek Crossing Farms

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

**Indiana Beef Evaluation Program - 2020 Summer Test
Listing of Sale Bulls - Performance**

Ear Tag	P E N	Breed	P Pct	C S H	O L	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	%IM Fat	ADG	WPDA	SC	%Ret. Prod.	%IM Fat	
401	6	ANGUS	PB	P	BLK	19577313	Baldrige 38 Special	8/21	65	1173	3.22	11.7	0.23	3.10	*7*	*6*	*9*	*4*	*4*	104.7
402	6	ANGUS	PB	P	BLK	19577327	Hoover Top Cut S1	9/9	80	1108	2.98	11.7	0.20	4.69	*4*	*5*	*8*	*8*	*10*	99.5
403	6	ANGUS	PB	P	BLK	19639222	Vermilion Spur B024	8/22	96	1413	3.58	11.8	0.13	3.39	*10*	*10*	*10*	*6*	*5*	120.4
405	6	ANGUS	PB	P	BLK	19639231	Connealy Blackhawk 6198	8/22	74	1195	2.78	12.9	0.20	2.69	*2*	*7*	*6*	*10*	*2*	96.8
406	6	ANGUS	PB	P	BLK	19639227	Springfield Ramesses 6124	8/31	77	1133	2.78	12.2	0.13	3.77	*2*	*5*	*7*	*10*	*7*	95.7
407	6	ANGUS	PB	P	BLK	19639237	KCF Bennett Fortress	9/19	87	1215	3.32	11.4	0.25	4.12	*9*	*9*	*5*	*2*	*9*	111.4
408	6	ANGUS	PB	P	BLK	19639230	Connealy Blackhawk 6198	8/29	80	1235	3.02	11.5	0.17	3.48	*5*	*7*	*10*	*6*	*6*	103.8
409	6	ANGUS	PB	P	BLK	19641954	SydGen Enhance	9/1	88	1235	3.06	12.6	0.17	3.93	*5*	*8*	*4*	*9*	*7*	105.0
410	6	ANGUS	PB	P	BLK	19639258	KCF Bennett Fortress	9/5	66	1245	3.23	11.9	0.24	3.35	*7*	*9*	*4*	*3*	*5*	109.1
415	5	ANGUS	PB	P	BLK	19766791	Byergo Black Magic 3348	8/28	78	1020	3.32	9.7	0.14	2.88	*9*	*4*	*7*	*2*	*3*	101.9
394	5	CHARL	PB	P	WHT	M940904	LT Long Distance 9001 PLD	9/5	81	1103	2.89	13.3	0.18	2.75	*3*	*4*	*1*	*9*	*4*	95.0
393	5	HERF	PB	H	RWF	44175112	ECR ATM 6494 ET	10/16	88	1003	2.90	10.9	0.21	1.99	*3*	*5*	*8*	*3*	*1*	95.9
412	6	R ANGS	PB	P	RED	4236132	RBJ Sunny Night 815	5/3	74	1450	3.85	12.2	0.13	2.11	*10*	*4*	*4*	*8*	*2*	113.1
396	5	SIM-AN	75	P	BLK	3723898	CLRWTR Resistance D74H	10/18	95	1265	3.58	15.6	0.27	3.86	*9*	*10*	*6*	*9*	*9*	114.1
398	5	SIM-AN	63	P	BLK	3728760	VSF United 6067D	10/18	82	1013	3.68	11.7	0.18	2.56	*10*	*4*	*10*	*4*	*2*	106.3
416	5	SIM-AN	50	P	BLK	3656894	LRS Iconic 303C	9/16	75	1108	3.24	12.8	0.28	2.71	*6*	*3*	*8*	*6*	*4*	98.2
418	6	SIM-AN	50	P	BLK	3656883	LRS Iconic 303C	9/15	68	1135	3.29	11.3	0.24	3.43	*7*	*6*	*3*	*2*	*7*	99.9
420	6	SIM-AN	50	P	BLK	3710956	SDS Alumni 115X	8/27	90	1248	3.15	12.4	0.23	2.13	*3*	*9*	*2*	*7*	*1*	99.2

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

Color: BLK = Black; BWF = Black-White Face; RED = Red; RWF = Red-White Face; WHT = White; GRAY = 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.

Owner: Halls Angus

Tag No.: **403** ANGUS (PB) Polled Black
 Tattoo: H521 Born: 08/22/19 (S) Pen 6
 Name: Hall's Spur 521 Reg. No. 19639222
 Sire: Vermilion Spur B024
 Dam's Sire: Deer Valley All In



Verified to Sire and Dam

Birth Weight	96	Performance Index				Adj. REA	11.8			
Birth CE	UN	On Test Wt.	965	120.4		Adj. REA/cwt	0.93			
Dam Age	4	End Test Wt.	1413			Adj. Rib Fat	0.13			
205-d Adj. Wt.	696	ADG	3.58 (118)	Foot Angle	7	Adj. % IM Fat	3.39	(100)		
205-d PCT	104	WPDA	3.57 (124)	Claw Set	6	% Retail Product	66.3	(100)		
205-d NO	8	Frame Score	6.2	Adj. 365-Day SC	35	Carcass Merit	99.9			
Genomic	Birth Wt	Wean Wt	Year Wt	Mat Milk	Direct CE	Mat CE	\$M	\$W	\$F	
EPDs &	2.7 (.53)	83.0 (.46)	141.0 (.37)	30.0 (.29)	5.0 (.34)	5.0 (.28)	\$ Indexes:	62.0	86.0	101.0
Acc:	*3*	*10*	*10*	*9*	*5*	*2*		*6*	*10*	*10*
Docility	Carcass Wt	Marbling	Ribeye Area	Fat			\$G	\$B	\$C	
22.0 (.32)	63.0 (.39)	.55 (.35)	.88 (.35)	-.061 (.33)			57.0	158.0	267.0	
8	*10*	*6*	*10*	*10*			*9*	*9*	*10*	

Owner: Halls Angus

Tag No.: **407** ANGUS (PB) Polled Black
 Tattoo: H529 Born: 09/19/19 (S) Pen 6
 Name: Hall's Fortress 529 Reg. No. 19639237
 Sire: KCF Bennett Fortress
 Dam's Sire: Coleman Regis 904



Verified to Sire and Dam

Birth Weight	87	Performance Index				Adj. REA	11.4			
Birth CE	UN	On Test Wt.	800	111.4		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			
Genomic	Birth Wt	Wean Wt	Year Wt	Mat Milk	Direct CE	Mat CE	\$M	\$W	\$F	
EPDs &	0.8 (.56)	69.0 (.49)	117.0 (.40)	26.0 (.36)	8.0 (.37)	13.0 (.34)	\$ Indexes:	60.0	79.0	92.0
Acc:	*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*	

Owner: Bennett Angus

Tag No.: **410** ANGUS (PB) Polled Black
 Tattoo: B48 Born: 09/05/19 (TW) Pen 6
 Name: Bennett's Fortress 48 Reg. No. 19639258
 Sire: KCF Bennett Fortress
 Dam's Sire: Deer Valley All In



Verified to Sire and Dam

Birth Weight	66	Performance Index				Adj. REA	11.9			
Birth CE	UN	On Test Wt.	841	109.1		Adj. REA/cwt	0.97			
Dam Age	4	End Test Wt.	1245			Adj. Rib Fat	0.24			
205-d Adj. Wt.	706	ADG	3.23 (106)	Foot Angle	4	Adj. % IM Fat	3.35	(98)		
205-d PCT	99	WPDA	3.26 (113)	Claw Set	6	% Retail Product	65.7	(99)		
205-d NO	2	Frame Score	5.1	Adj. 365-Day SC	32	Carcass Merit	98.9			
Genomic	Birth Wt	Wean Wt	Year Wt	Mat Milk	Direct CE	Mat CE	\$M	\$W	\$F	
EPDs &	0.3 (.47)	73.0 (.41)	127.0 (.36)	27.0 (.31)	9.0 (.33)	12.0 (.30)	\$ Indexes:	78.0	85.0	63.0
Acc:	*8*	*10*	*10*	*7*	*8*	*9*		*10*	*10*	*2*
Docility	Carcass Wt	Marbling	Ribeye Area	Fat			\$G	\$B	\$C	
7.0 (.34)	34.0 (.40)	.91 (.36)	.40 (.36)	.007 (.33)			62.0	125.0	240.0	
2	*3*	*9*	*3*	*6*			*9*	*5*	*7*	

Owner: Clear Water Simmentals

Tag No.: **396** SIM-AN (75% Simmental, 25% Angus) Polled Black
 Tattoo: G411A Born: 10/18/19 (S) Pen 5
 Name: CLRWTR Resistance G411A Reg. No. 3723898
 Sire: CLRWTR Resistance D74H
 Dam's Sire: Wheatland Bull 468P

Verified to Sire and Dam

Birth Weight	95	Performance Index				Adj. REA	15.6
Birth CE	UN	On Test Wt.	817	114.1		Adj. REA/cwt	1.16
Dam Age	10	End Test Wt.	1265			Adj. Rib Fat	0.27
205-d Adj. Wt.	774	ADG	3.58 (110)	Foot Angle	5	Adj. % IM Fat	3.86 (124)
205-d PCT	108	WPDA	3.73 (121)	Claw Set	5	% Retail Product	68.9 (103)
205-d NO	6	Frame Score	5.4	Adj. 365-Day SC	33	Carcass Merit	113.4

EPDs & Acc:	Birth Wt 4.0 (.30) *1*	Wean Wt 81.5 (.26) *9*	Year Wt 126.9 (.24) *9*	Mat Milk 24.2 (.14) *7*	Direct CE 6.6 (.17) *1*	Mat CE 1.0 (.14) *1*	\$ Indexes:	API	TI
	Docility 10.8 (.22) *4*	Carcass Wt 37.1 (.26) *7*	Marbling .25 (.13) *5*	Ribeye Area .83 (.24) *8*	Fat -.069 (.12) *7*	Yield Grade -.32 (.18) *8*		113.1	74.6

Owner: Walnut Creek Crossing Farms

Tag No.: **412** R ANGS(PB) Polled Red
 Tattoo: 953G Born: 05/03/19 (S) Pen 6
 Name: WCCF Sunny 953G Reg. No. 4236132
 Sire: RBJ Sunny Night 815 MAF,OSF
 Dam's Sire: HXC Conquest 4405P

Verified to Sire and Dam



Birth Weight	74	Performance Index				Adj. REA	12.2
Birth CE	UN	On Test Wt.	969	113.1		Adj. REA/cwt	1.01
Dam Age	3	End Test Wt.	1450			Adj. Rib Fat	0.13
205-d Adj. Wt.	595	ADG	3.85 (124)	Foot Angle	5	Adj. % IM Fat	2.11 (66)
205-d PCT	92	WPDA	2.86 (98)	Claw Set	5	% Retail Product	67.2 (101)
205-d NO	2	Frame Score	4.9	Adj. 365-Day SC	32	Carcass Merit	83.9

Genomic EPDs & Acc:	Birth Wt -1.4 (.40) *5*	Wean Wt 76.0 (.38) *10*	Year Wt 124.0 (.37) *10*	Mat Milk 30.0 (.12) *10*	Direct CE 12.0 (.36) *6*	Mat CE 8.0 (.18) *9*	\$ Indexes:	HB	GM
	Carcass Wt 29.0 (.40) *9*	Marbling .32 (.35) *4*	Ribeye Area .15 (.38) *8*	Fat .030 (.31) *5*	Yield Grade .01 (.31) *9*	152.0		51.0	

Owner: Saxe Farm

Tag No.: **418** SIM-AN (50% Simmental, 50% Angus) Polled Black
 Tattoo: G920 Born: 09/15/19 (S) Pen 6
 Name: SF Iconic Answer G920 Reg. No. 3656883
 Sire: LRS Iconic 303C
 Dam's Sire: GCCR Easy Answer Y108

Verified to Sire and Dam



Birth Weight	68	Performance Index				Adj. REA	11.3
Birth CE	UN	On Test Wt.	724	99.9		Adj. REA/cwt	0.97
Dam Age	4	End Test Wt.	1135			Adj. Rib Fat	0.24
205-d Adj. Wt.	635	ADG	3.29 (101)	Foot Angle	5	Adj. % IM Fat	3.43 (110)
205-d PCT	109	WPDA	3.05 (99)	Claw Set	6	% Retail Product	65.4 (98)
205-d NO	7	Frame Score	5.4	Adj. 365-Day SC	33	Carcass Merit	103.9

Genomic EPDs & Acc:	Birth Wt -2.5 (.47) *10*	Wean Wt 74.8 (.45) *7*	Year Wt 122.4 (.45) *8*	Mat Milk 21.3 (.17) *4*	Direct CE 17.7 (.40) *10*	Mat CE 9.3 (.22) *9*	\$ Indexes:	API	TI
	Docility 17.3 (.38) *10*	Carcass Wt 38.5 (.45) *8*	Marbling .44 (.39) *8*	Ribeye Area .52 (.42) *3*	Fat -.016 (.37) *2*	Yield Grade -.09 (.35) *2*		157.5	83.7

Owner: Halls Angus

Tag No.: **408** ANGUS (PB) Polled Black
 Tattoo: H524 Born: 08/29/19 (S) Pen 6
 Name: Hall's Blackhawk 524 Reg. No. 19639230
 Sire: Connealy Blackhawk 6198
 Dam's Sire: Deer Valley All In



Verified to Sire and Dam

Birth Weight	80	Performance Index				Adj. REA	11.5			
Birth CE	UN	On Test Wt.	857	103.8		Adj. REA/cwt	0.98			
Dam Age	4	End Test Wt.	1235			Adj. Rib Fat	0.17			
205-d Adj. Wt.	690	ADG	3.02 (99)	Foot Angle	5	Adj. % IM Fat	3.48	(102)		
205-d PCT	103	WPDA	3.17 (110)	Claw Set	6	% Retail Product	66.2	(100)		
205-d NO	8	Frame Score	5.3	Adj. 365-Day SC	35	Carcass Merit	101.2			
Genomic	Birth Wt	Wean Wt	Year Wt	Mat Milk	Direct CE	Mat CE	\$M	\$W	\$F	
EPDs &	0.1 (.55)	68.0 (.47)	130.0 (.39)	36.0 (.30)	11.0 (.36)	4.0 (.28)	\$ Indexes:	51.0	81.0	92.0
Acc:	*8*	*9*	*10*	*10*	*9*	*2*		*3*	*10*	*8*
Docity	Carcass Wt	Marbling	Ribeye Area	Fat			\$G	\$B	\$C	
18.0 (.36)	52.0 (.41)	.55 (.37)	.60 (.37)	.003 (.35)			48.0	140.0	233.0	
6	*8*	*6*	*6*	*7*			*7*	*8*	*7*	

Owner: Dolph Angus

Tag No.: **415** ANGUS (PB) Polled Black
 Tattoo: 984 Born: 08/28/19 (S) Pen 5
 Name: Dolph Black Magic 984 Reg. No. 19766791
 Sire: Byergo Black Magic 3348
 Dam's Sire: AAR Ten X 7008 SA



Verified to Sire and Dam

Birth Weight	78	Performance Index				Adj. REA	9.7			
Birth CE	UN	On Test Wt.	605	101.9		Adj. REA/cwt	0.90			
Dam Age	4	End Test Wt.	1020			Adj. Rib Fat	0.14			
205-d Adj. Wt.	552	ADG	3.32 (109)	Foot Angle	5	Adj. % IM Fat	2.88	(85)		
205-d PCT	100	WPDA	2.62 (91)	Claw Set	5	% Retail Product	65.1	(98)		
205-d NO	NC	Frame Score	4.3	Adj. 365-Day SC	34	Carcass Merit	91.5			
Genomic	Birth Wt	Wean Wt	Year Wt	Mat Milk	Direct CE	Mat CE	\$M	\$W	\$F	
EPDs &	1.5 (.51)	75.0 (.44)	137.0 (.39)	28.0 (.31)	7.0 (.34)	10.0 (.30)	\$ Indexes:	68.0	80.0	104.0
Acc:	*5*	*10*	*10*	*8*	*6*	*7*		*8*	*10*	*10*
Docity	Carcass Wt	Marbling	Ribeye Area	Fat			\$G	\$B	\$C	
18.0 (.36)	60.0 (.39)	.67 (.36)	.85 (.36)	-.012 (.32)			58.0	162.0	278.0	
6	*10*	*7*	*9*	*9*			*9*	*10*	*10*	

Owner: Mickey Angus

Tag No.: **401** ANGUS (PB) Polled Black
 Tattoo: V23 Born: 08/21/19 (S) Pen 6
 Name: Mickey 38 Special V23 Reg. No. 19577313
 Sire: Baldrige 38 Special
 Dam's Sire: Basin Excitement



Verified to Sire and Dam

Birth Weight	65	Performance Index				Adj. REA	11.7			
Birth CE	UN	On Test Wt.	770	104.7		Adj. REA/cwt	0.99			
Dam Age	6	End Test Wt.	1173			Adj. Rib Fat	0.23			
205-d Adj. Wt.	670	ADG	3.22 (106)	Foot Angle	5	Adj. % IM Fat	3.10	(91)		
205-d PCT	107	WPDA	2.95 (103)	Claw Set	6	% Retail Product	65.8	(100)		
205-d NO	6	Frame Score	5.4	Adj. 365-Day SC	35	Carcass Merit	95.3			
Genomic	Birth Wt	Wean Wt	Year Wt	Mat Milk	Direct CE	Mat CE	\$M	\$W	\$F	
EPDs &	0.7 (.51)	90.0 (.44)	148.0 (.37)	20.0 (.30)	6.0 (.34)	6.0 (.29)	\$ Indexes:	61.0	89.0	82.0
Acc:	*7*	*10*	*10*	*2*	*5*	*3*		*6*	*10*	*6*
Docity	Carcass Wt	Marbling	Ribeye Area	Fat			\$G	\$B	\$C	
19.0 (.36)	57.0 (.39)	.37 (.36)	.68 (.36)	.022 (.33)			39.0	121.0	218.0	
7	*9*	*4*	*8*	*4*			*4*	*4*	*5*	

Owner: Saxe Farm

Tag No.: **416** SIM-AN (50% Simmental, 50% Angus) Polled Black
 Tattoo: G921 Born: 09/16/19 (S) Pen 5
 Name: SF Iconic Boulder G921 Reg. No. 3656894
 Sire: LRS Iconic 303C
 Dam's Sire: CCR Boulder 1339A



Verified to Sire and Dam

Birth Weight	75	Performance Index				Adj. REA	12.8
Birth CE	UN	On Test Wt.	703	98.2		Adj. REA/cwt	1.09
Dam Age	2	End Test Wt.	1108			Adj. Rib Fat	0.28
205-d Adj. Wt.	653	ADG	3.24 (99)	Foot Angle	5	Adj. % IM Fat	2.71 (87)
205-d PCT	112	WPDA	2.99 (96)	Claw Set	5	% Retail Product	66.8 (100)
205-d NO	7	Frame Score	4.9	Adj. 365-Day SC	34	Carcass Merit	93.4

Genomic	Birth Wt	Wean Wt	Year Wt	Mat Milk	Direct CE	Mat CE	\$ Indexes:	API	TI
EPDs & Acc:	-1.3 (.47) *9*	79.9 (.44) *8*	122.3 (.44) *8*	18.8 (.16) *2*	16.4 (.42) *10*	9.4 (.23) *9*		166.5 *10*	90.2 *10*
Docility	Carcass Wt	Marbling	Ribeye Area	Fat	Yield Grade				
15.5 (.39) *10*	25.5 (.45) *3*	.65 (.38) *10*	.55 (.42) *3*	-.036 (.37) *4*	-.20 (.35) *4*				

Owner: Neal Brothers Simmentals

Tag No.: **398** SIM-AN (63% Simmental, 37% Angus) Polled Black
 Tattoo: 182G Born: 10/18/19 (ET) Pen 5
 Name: NB Mr United 182G Reg. No. 3728760
 Sire: VSF United 6067D
 Dam's Sire: Dillons K217 Black Dream

Verified to Sire and Dam

Birth Weight	82	Performance Index				Adj. REA	11.7
Birth CE	UN	On Test Wt.	553	106.3		Adj. REA/cwt	1.02
Dam Age	6	End Test Wt.	1013			Adj. Rib Fat	0.18
205-d Adj. Wt.	562	ADG	3.68 (113)	Foot Angle	6	Adj. % IM Fat	2.56 (82)
205-d PCT	100	WPDA	2.99 (97)	Claw Set	5	% Retail Product	66.6 (100)
205-d NO	NC	Frame Score	4.4	Adj. 365-Day SC	36	Carcass Merit	90.8

EPDs & Acc:	Birth Wt	Wean Wt	Year Wt	Mat Milk	Direct CE	Mat CE	\$ Indexes:	API	TI
	2.2 (.22) *2*	80.3 (.20) *8*	125.2 (.20) *8*	25.0 (.10) *8*	11.4 (.20) *5*	5.9 (.12) *4*		130.3 *6*	77.2 *7*
Docility	Carcass Wt	Marbling	Ribeye Area	Fat	Yield Grade				
10.6 (.19) *4*	33.1 (.28) *6*	.30 (.26) *6*	.49 (.27) *2*	-.028 (.24) *3*	-.13 (.23) *2*				

Owner: Bennett Angus

Tag No.: **409** ANGUS (PB) Polled Black
 Tattoo: B46 Born: 09/01/19 (S) Pen 6
 Name: Bennett's Enhance 46 Reg. No. 19641954
 Sire: SydGen Enhance
 Dam's Sire: Rito 954 of Rita 7E2 5050



Verified to Sire and Dam

Birth Weight	88	Performance Index				Adj. REA	12.6
Birth CE	UN	On Test Wt.	852	105.0		Adj. REA/cwt	1.04
Dam Age	7	End Test Wt.	1235			Adj. Rib Fat	0.17
205-d Adj. Wt.	718	ADG	3.06 (101)	Foot Angle	5	Adj. % IM Fat	3.93 (115)
205-d PCT	101	WPDA	3.20 (111)	Claw Set	5	% Retail Product	67.3 (102)
205-d NO	2	Frame Score	6.2	Adj. 365-Day SC	32	Carcass Merit	108.7

Genomic	Birth Wt	Wean Wt	Year Wt	Mat Milk	Direct CE	Mat CE	\$ Indexes:	\$M	\$W	\$F
EPDs & Acc:	0.8 (.53) *7*	58.0 (.42) *6*	116.0 (.37) *8*	30.0 (.31) *9*	7.0 (.35) *6*	7.0 (.29) *4*		70.0 *8*	65.0 *8*	107.0 *10*
Docility	Carcass Wt	Marbling	Ribeye Area	Fat				\$G	\$B	\$C
34.0 (.35) *10*	53.0 (.39) *9*	1.02 (.36) *10*	.66 (.36) *7*	.032 (.33) *3*			68.0 *10*	175.0 *10*	297.0 *10*	

Owner: Halls Angus

Tag No.: **406** ANGUS (PB) Polled Black
 Tattoo: H525 Born: 08/31/19 (S) Pen 6
 Name: Hall's Ramesses 525 Reg. No. 19639227
 Sire: Springfield Ramesses 6124
 Dam's Sire: Rito 954 of Rita 7E2 5050



Verified to Sire and Dam

Birth Weight	77	Performance Index				Adj. REA	12.2			
Birth CE	UN	On Test Wt.	785	95.7		Adj. REA/cwt	1.13			
Dam Age	7	End Test Wt.	1133			Adj. Rib Fat	0.13			
205-d Adj. Wt.	635	ADG	2.78 (92)	Foot Angle	5	Adj. % IM Fat	3.77	(111)		
205-d PCT	95	WPDA	2.93 (102)	Claw Set	4	% Retail Product	68.2	(103)		
205-d NO	8	Frame Score	5.5	Adj. 365-Day SC	34	Carcass Merit	107.0			
Genomic EPDs & Acc:	Birth Wt -0.3 (.54) *9*	Wean Wt 64.0 (.47) *8*	Year Wt 116.0 (.37) *8*	Mat Milk 34.0 (.29) *10*	Direct CE 10.0 (.35) *9*	Mat CE 12.0 (.27) *9*	\$ Indexes: \$M 43.0 *2*	\$W 77.0 *10*	\$F 97.0 *9*	
	Docility 11.0 (.32) *3*	Carcass Wt 52.0 (.40) *8*	Marbling 1.00 (.36) *10*	Ribeye Area .99 (.36) *10*	Fat -.012 (.34) *9*		\$G 75.0 *10*	\$B 173.0 *10*	\$C 267.0 *10*	

Owner: Mickey Angus

Tag No.: **402** ANGUS (PB) Polled Black
 Tattoo: V21 Born: 09/09/19 (S) Pen 6
 Name: Mickey S1 V21 Reg. No. 19577327
 Sire: Hoover Top Cut S1
 Dam's Sire: Hoover Dam



Verified to Sire and Dam

Birth Weight	80	Performance Index				Adj. REA	11.7			
Birth CE	UN	On Test Wt.	736	99.5		Adj. REA/cwt	1.05			
Dam Age	4	End Test Wt.	1108			Adj. Rib Fat	0.20			
205-d Adj. Wt.	641	ADG	2.98 (98)	Foot Angle	5	Adj. % IM Fat	4.69	(138)		
205-d PCT	102	WPDA	2.93 (102)	Claw Set	6	% Retail Product	66.6	(101)		
205-d NO	6	Frame Score	5.1	Adj. 365-Day SC	35	Carcass Merit	119.3			
Genomic EPDs & Acc:	Birth Wt 1.6 (.50) *5*	Wean Wt 63.0 (.42) *8*	Year Wt 111.0 (.34) *8*	Mat Milk 37.0 (.26) *10*	Direct CE 5.0 (.31) *5*	Mat CE 4.0 (.24) *2*	\$ Indexes: \$M 66.0 *7*	\$W 79.0 *10*	\$F 111.0 *10*	
	Docility 26.0 (.33) *9*	Carcass Wt 61.0 (.37) *10*	Marbling .78 (.33) *8*	Ribeye Area .79 (.33) *9*	Fat .017 (.30) *5*		\$G 60.0 *9*	\$B 171.0 *10*	\$C 288.0 *10*	

Owner: Saxe Farm

Tag No.: **420** SIM-AN (50% Simmental, 50% Angus) Polled Black
 Tattoo: G102 Born: 08/27/19 (S) Pen 6
 Name: Alumni Para Reg. No. 3710956
 Sire: SDS Alumni 115X
 Dam's Sire: GW Paramount 718Y



Verified to Sire and Dam

Birth Weight	90	Performance Index				Adj. REA	12.4			
Birth CE	UN	On Test Wt.	854	99.2		Adj. REA/cwt	1.09			
Dam Age	6	End Test Wt.	1248			Adj. Rib Fat	0.23			
205-d Adj. Wt.	634	ADG	3.15 (97)	Foot Angle	4	Adj. % IM Fat	2.13	(68)		
205-d PCT	108	WPDA	3.19 (103)	Claw Set	6	% Retail Product	67.0	(100)		
205-d NO	2	Frame Score	5.5	Adj. 365-Day SC	33	Carcass Merit	84.3			
Genomic EPDs & Acc:	Birth Wt -0.4 (.45) *7*	Wean Wt 78.1 (.43) *8*	Year Wt 125.8 (.44) *9*	Mat Milk 26.2 (.20) *9*	Direct CE 10.6 (.41) *4*	Mat CE 6.2 (.24) *5*	\$ Indexes: API 151.2 *9*	TI 83.4 *9*		
	Docility 15.1 (.39) *9*	Carcass Wt 40.6 (.45) *8*	Marbling .44 (.40) *8*	Ribeye Area .86 (.45) *9*	Fat -.041 (.38) *5*	Yield Grade -.25 (.37) *6*				

Owner: Halls Angus

Tag No.: **405** ANGUS (PB) Polled Black
 Tattoo: H522 Born: 08/22/19 (S) Pen 6
 Name: Hall's Blackhawk 522 Reg. No. 19639231
 Sire: Connealy Blackhawk 6198
 Dam's Sire: Connealy Union 215X



Verified to Sire and Dam

Birth Weight	74	Performance Index				Adj. REA	12.9			
Birth CE	UN	On Test Wt.	848	96.8		Adj. REA/cwt	1.21			
Dam Age	4	End Test Wt.	1195			Adj. Rib Fat	0.20			
205-d Adj. Wt.	621	ADG	2.78 (91)	Foot Angle	5	Adj. % IM Fat	2.69	(79)		
205-d PCT	93	WPDA	3.02 (105)	Claw Set	6	% Retail Product	68.5	(104)		
205-d NO	8	Frame Score	5.1	Adj. 365-Day SC	34	Carcass Merit	91.4			
Genomic EPDs & Acc:	Birth Wt 0.3 (.52) *8*	Wean Wt 66.0 (.45) *9*	Year Wt 117.0 (.36) *9*	Mat Milk 30.0 (.27) *9*	Direct CE 5.0 (.33) *5*	Mat CE 4.0 (.24) *2*	\$ Indexes: \$M 71.0 \$W 78.0 \$F 87.0 \$G 55.0 \$B 142.0 \$C 255.0	*9*	*10*	*8*
	Docility 25.0 (.33) *9*	Carcass Wt 43.0 (.38) *6*	Marbling .68 (.34) *7*	Ribeye Area .67 (.35) *7*	Fat .004 (.32) *7*					

Owner: Craig Livestock

Tag No.: **394** CHARL (PB) Polled White
 Tattoo: G1 Born: 09/05/19 (S) Pen 5
 Name: TC Long Distance G1 Reg. No. M940904
 Sire: LT Long Distance 9001 PLD
 Dam's Sire: TR Mr Fire Water 5792R ET

Verified to Sire and Dam

Birth Weight	81	Performance Index				Adj. REA	13.3			
Birth CE	UN	On Test Wt.	742	95.0		Adj. REA/cwt	1.15			
Dam Age	3	End Test Wt.	1103			Adj. Rib Fat	0.18			
205-d Adj. Wt.	694	ADG	2.89 (93)	Foot Angle	5	Adj. % IM Fat	2.75	(87)		
205-d PCT	100	WPDA	2.89 (98)	Claw Set	5	% Retail Product	68.5	(103)		
205-d NO	NC	Frame Score	5.2	Adj. 365-Day SC	30	Carcass Merit	94.9			
EPDs & Acc:	Birth Wt 0.1 (PE) *6*	Wean Wt 24.0 (PE) *3*	Year Wt 39.0 (I) *2*	Mat Milk 15.0 (PE) *9*	Direct CE 4.5 (PE) *4*	Mat CE -0.7 (PE) *1*	\$ Indexes: TSI 183.73			*1*
	Carcass Wt 2.0 (PE) *1*	Marbling .01 (PE) *2*	Ribeye Area .64 (PE) *4*	Fat .004 (PE) *6*						

Owner: Craig Livestock

Tag No.: **393** HERF (PB) Dehorned Red-WF
 Tattoo: 33G Born: 10/16/19 (S) Pen 5
 Name: TC New Edition 33G Reg. No. 44175112
 Sire: ECR ATM 6494 ET
 Dam's Sire: H Excel 8051 ET

Verified to Sire and Dam

Birth Weight	88	Performance Index				Adj. REA	10.9			
Birth CE	UN	On Test Wt.	641	95.9		Adj. REA/cwt	1.00			
Dam Age	6	End Test Wt.	1003			Adj. Rib Fat	0.21			
205-d Adj. Wt.	626	ADG	2.90 (93)	Foot Angle	5	Adj. % IM Fat	1.99	(63)		
205-d PCT	100	WPDA	2.94 (100)	Claw Set	5	% Retail Product	65.8	(99)		
205-d NO	NC	Frame Score	5.1	Adj. 365-Day SC	34	Carcass Merit	80.9			
EPDs & Acc:	Birth Wt 3.7 (.19) *4*	Wean Wt 46.0 (.17) *3*	Year Wt 73.0 (.16) *2*	Mat Milk 30.0 (.10) *9*	Direct CE 0.3 (.25) *4*	Mat CE 2.6 (.16) *6*	\$ Indexes: BMI\$ 294.0 BII\$ 342.0 CHB\$ 103.0	*3*	*2*	*7*
	Carcass Wt 64.0 (.03) *5*	Marbling -.06 (.03) *1*	Ribeye Area .45 (.03) *8*	Fat -.007 (.03) *9*						

IBEP HALL OF FAME
Highest Performance-Indexing Sale Eligible Individual (11,887 Tested)

Test	Breed (%)	ADG	WPDA	Perf. Index	Owner & Address
73	Angus	5.29	3.73	130.4	Bill Washburn, Olney, IL
74	Angus	5.46	3.70	126.9	Small Cattle Farms, Bloomfield
75	Angus	5.24	3.97	126.3	Bill Washburn, Olney, IL
76	Angus	4.89	3.92	128.1	Kiata Farms, Hamilton, OH
77	Simmental	4.93	4.09	126.1	Eggersman Brothers, Brownstown
78	Angus	4.56	3.81	119.5	Willer Timber Ridge, Greencastle
79	Angus	5.50	3.51	127.7	Dan Stewart, Yorktown
80	Simmental	4.92	3.89	130.0	B&K Cattle, Crandon, WI
81	Angus	4.72	3.96	121.7	Bill Washburn, Olney, IL
82	SimAngus (50)	3.92	2.95	119.2	Fairfield Farms, Cox's Creek, KY
83	Angus	5.08	3.54	131.4	Rolling Acres Angus, Freetown
84	Angus	3.79	3.32	120.1	Halls Angus, Eddyville, IL
85	Angus	4.82	3.49	124.1	Infinity Cattle Company LLC, Ferdinand
86	Angus	3.58	3.57	120.4	Halls Angus, Eddyville, IL

Highest Sale-Indexing Bull

Test	Breed (%)	ADG	WPDA	Sale Index	Owner & Address
73	Angus	4.37	3.75	65/70	Way View Cattle Co. LLC, Hebron, OH
74	Angus	3.98	3.52	60/70	Powell Farms, Worthington
75	Angus	4.39	3.76	62/70	Kohli Farms, Circleville, OH
76	Angus	4.19	3.56	69/70	Powell Farms, Worthington
77	Angus	4.86	3.81	60/70	Kohli Farms, Circleville, OH
78	Angus	3.77	3.69	63/70	Kiata Farms, Hamilton, OH
79	Angus	4.77	3.76	91.0/100	Kiata Farms, Hamilton, OH
80	Angus	4.21	3.53	81.8/100	Kiata Farms, Hamilton, OH
81	SimAngus (63)	5.02	3.85	95.8/100	Neal Brothers Simmentals, Bicknell
82	Angus	3.92	3.42	96.3/100	Halls Angus Farm, Eddyville, IL
83	Angus	4.13	3.34	86.8/100	KB Angus, Merritt, MI
84	Hereford	2.88	2.95	88.3/100	Greives Herefords, West Lafayette
85	Angus	4.26	3.37	90.8/100	Stewart Select Angus LLC, Greensburg
86	Angus	3.58	3.57	81.0/100	Halls Angus, Eddyville, IL

IBEP HALL OF FAME Highest-Indexing Get-of-Sire (1,309 Tested)

Test	Breed	ADG	WPDA	Perf. Index	Owner & Address
66	Angus Sire: SS Objective T510 OT26	4.01	3.39	101.1	Powell Farms, Worthington
67	Angus Sire: TC Total 410	4.67	3.58	112.5	Bill Washburn, Olney, IL
68	SimAngus Sire: ALC Big Eye D09N	4.12	3.59	104.0	Saxe Farm, Thompsonville, IL
69	SimAngus Sire: Mr NLC Upgrade U8676	4.79	3.73	112.5	Bill Washburn, Olney, IL
70	Angus Sire: CRA Bextor 872 5205 608	4.51	3.75	109.6	Kiata Farms, Hamilton, OH
71	SimAngus Sire: Mr NLC Upgrade U8676	4.05	3.70	107.7	Bill Washburn, Olney, IL
72	SimAngus Sire: ALC Big Eye D09N	4.61	3.91	116.1	Saxe Farm, Thompsonville, IL
73	Angus Sire: Connealy Confidence 0100	4.86	3.63	122.3	Bill Washburn, Olney, IL
74	Angus Sire: Home Acres CC&7 7118	4.58	3.26	108.4	Home Acres Farm Inc., Lebanon, OH
75	Angus Sire: SS Niagara Z29	4.71	3.69	115.0	Stewart Select Angus, Greensburg
76	Angus Sire: Deer Valley All In	3.89	3.48	106.4	Brown Family Farms, Norman and Kiata Farms, Hamilton, OH
77	Angus Sire: SS Niagara Z29	4.71	3.80	113.7	Stewart Select Angus, Greensburg
78	Angus Sire: Home Acres CC&7 7118	4.52	3.01	109.0	Home Acres Farm Inc., Lebanon, OH
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
80	Angus Sire: RB Tour of Duty 177	3.99	3.21	104.5	Dolph Angus, Walkerton and Snider-Clayton Farm, Goshen
81	Angus Sire: SS Niagara C2	4.13	3.61	108.1	Rolling Acres Angus, Freetown
82	Angus Sire: GAR Sure Fire	3.27	2.83	97.9	Keene Farms, Harrisburg, IL
83	Angus Sire: SAV Pedigree 4834	4.17	3.12	110.6	Wynn's Angus Farm, Ashland, OH
84	Angus Sire: Baldrige 38 Special	3.55	3.12	112.4	Mickey Angus, Pana, IL
85	Angus Sire: SS Niagara Z29	4.45	3.33	116.1	Underwood Angus Farms, N. Manchester
86	Angus Sire: KCF Bennett Fortress	3.24	3.30	109.8	Bennett Angus, Eddyville, IL and Halls Angus, Eddyville, IL

86th IBEP Bull Sale - OCTOBER 17, 2020
Bulls in Order by Breed and Ear Tag

Tag Number	Breed	Performance Index	Page Number	Price
401	ANGUS	104.7	21	
402	ANGUS	99.5	23	
403	ANGUS	120.4	19	
405	ANGUS	96.8	24	
406	ANGUS	95.7	23	
407	ANGUS	111.4	19	
408	ANGUS	103.8	21	
409	ANGUS	105.0	22	
410	ANGUS	109.1	19	
415	ANGUS	101.9	21	
394	CHAROLAIS	95.0	24	
393	HEREFORD	95.9	24	
412	RED ANGUS	113.1	20	
396	SIM-ANGUS	114.1	20	
398	SIM-ANGUS	106.3	22	
416	SIM-ANGUS	98.2	22	
418	SIM-ANGUS	99.9	20	
420	SIM-ANGUS	99.2	23	

INDIANA BEEF EVALUATION PROGRAM
Creighton Hall of Animal Sciences
270 S. Russell St.
West Lafayette, IN 47907-2041

2020 Officers

President Danielle Walker
Vice President Randy Roberts
Secretary/Treasurer Nick Minton

BOARD OF DIRECTORS

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IBCA	Joe Rode	6400 E. St. Rd. 144, Mooresville, IN 46158	(317) 831-8311	
IBCA	Randy Roberts	11043 W. Henry Brown Rd., Campbellsburg, IN 47108	(812) 755-4167	rdroberts@hughes.net
Angus	John Finke	8512 E 600 N, Columbus, IN 47203	(812) 350-9942	finkefarms@aol.com
Charolais	Robert Wubben	1455 Reuter Lane, Springville, IN 47462	(812) 275-5095	
Hereford	Jim Day	1036 N. Jim Day Rd., Salem, IN 47167	(812) 883-3722	
Polled Hereford	Terry Ferguson	11170 E 1400 N, Odon, IN 47562	(812) 617-1954	terryferguson@centurytel.net
Simmental	Leah Meinders	3687 N 500 E, Milan, IN 47031	(812) 654-2030	chm.excavating@gmail.com
Other Breeds	Byron Fagg	2608 E. Old 160, Salem, IN 47167	(812) 883-6574	bwfagg@blueriver.net
At Large	John Baugh	Dean of Ag Office, Purdue	(765) 494-8392	baughj@purdue.edu
At Large	David Smith	1631 N. Tyrel Ave. W, Greensburg, IN 47240	(812) 663-5763	dsmith@etczone.com
Purdue CES	Danielle Walker	806 Martinsburg Rd. Suite 104, Salem, IN 47167	(765) 883-4601	dhowellw@purdue.edu

OTHER PERSONNEL

Responsibility

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